



CATALOG2010

One place has them all

HD Video Surveillance
IP Networks & Integrated Systems

**Design
Manufacturing
Qualification
System Design
System Integration**

VISION

Company Introduction

15 Years of Innovation and Quality

Founded in 1997, Visionhitech Co., Ltd. has been focused itself for the development of video surveillance technology all the way through today.

It has been achieved a lot of monumental technical break-through and innovative solutions with more than 50 patented core technologies released so far.

150 members of employee with 50 staff of high-rank technical brains are all heavily armed with quality oriented mentality and actual in-house activities under the strict Quality Management System, ISO9001 & ISO T/S 16949. So, it has more confidence of its capability to bring the highest quality of service to customers than any others.

Based on its continuous dedication for new technologies, it has been born again as a total solution provider for a vast range of security equipment covering analog cameras, IP cameras, DVRs, NVRs, Central monitoring systems and services.

Zero Defect Campaign

Much more advanced Technology and greater processing performance are under the control by Zero Defects.

Our Quality Goal is to achieve 100% Customer Satisfaction, 0% Defect Rate and On-Time Delivery and we are ready to make customers succeed with our valuable service.

Visionhitech Americas, Inc. Establishment

We have production facilities in South Korea, well known throughout EMEA and Asia-Pacific, and have established Visionhitech Americas, Inc. in Newport Beach, California who will handle Sales, Marketing and Technical Support for North and South America.

WideLux represents 600TVL, Low Light Performance & WDR Viewing your world with clarity

3 Core Video Technologies, namely Super High Resolution, Extremely Low Light Performance & WDR, have been achieved in our own brand new chip solution named as WideLux, viewing your world with clarity. WideLux offers much more vertical resolution as much as horizontal resolution as well as contrast WDR solution with a normal CCD so that customers can enjoy the highest technology with a very affordable pricing.

Going IP/HD in endless efforts

Our great achievement in Video Surveillance Technology is extended to IP Network era and we are about to integrate IP/HD technology into our existing and new products. We bet, through our history, Visionhitech Co., Ltd. will guarantee a great success with you in IP Network era as well.

VISION

SECURITY INNOVATION !

Until the time all mankind comes to safe and peaceful, Visionhitech`s technical innovation will be continued.

COMPANY PROFILE

1997.09	Established as "REALTECH Co. Ltd."
2000.09	Relaunched as "Visionhitech Co., Ltd."
2000.09	Member of Korea Trade Association
2001.07	Certified "Promising Enterprise" (Wooribank)
2001.07	Certified "Venture Enterprise" (SMBA)
2002.03	Certified ISO 9001/2000 Quality management system
2002.05	Certified "Enterprise of superior technology"
2002.12	Certified "INNO-BIZ"- Enterprise of innovative technology (SMBA)
2003.02	Established "Visionhitech R&D center"
2003.12	Awarded the Prize by the administrator of small and medium industry for its great Contribution to the development of the industry
2004.03	"KT-Mark" award for Excellent Korean Technology
2004.11	Awarded the prize by the president for "10 Million dollar Export"
2005.03	Awarded the prize by the Commissioner of Chungbu Regional Tax offices for sincere enterprise
2005.11	Certified ISO T/S16949 Quality Management System
2006.11	Adopted ERP system
2006.11	Awarded the prize by the president for "20 Million dollar Export"
2006.12	Certified ISO 14001 Environmental Management System
2007.10	Listed in Good Design Product 2007
2007.11	Awarded the Bronze prize and the Promotion prize for Venture Design
2008.08	Acquired the License for Information & Communication Construction
2008.10	Listed in Good Design Product 2008
2008.11	Awarded the prize for the best quality product
2009.09	Visionhitech Americas Inc. established in southern california, USA
2009.11	Listed in Good Design product 2009

- Company name	Visionhitech Co., Ltd.
- President & CEO	Mr. Son, Kyong Sik
- Patents aquired by Visionhitech	Design : 22 numbers Utility : 23 numbers New Technology : 12 numbers

Type	Model	Image	Imager	IR	Min. Lux	Lens	H. Res	DN	DNR	WDR	S/N Ratio	OSD	MD	Masking	Power	
WideLux WDR	VN80S-VFA50		1/3" Sony Super HAD CCD II/ WideLux	70M	0Lux	4-9mm 9-20mm 5-50mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VN70 II S-VFA50			50M	0Lux	28-12mm 9-20mm 5-50mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VN60S-VFIR			20M	0Lux	4-9mm/9-22mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC	
	VN55S			30M	0Lux	3.6/4.3/6/8mm	600/650TVL	Digital	2D/3DNR	WideLux	52dB	●	●	●	12VDC	
	VDB105S-VFA50			50M	0Lux	2.8-12mm/ 5-50mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VDA110S-VFAL2.60DN			—	0.1Lux/0.0001Lux (Sens-up)	2.8-12mm/ 5-50mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VDA110S-VFAL2R			30M	0Lux	2.8-12mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VDA110S-VFA12DN			—	0.1Lux/0.0001Lux (Sens-up)	3.3-12mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VDA140S-VFA12R			20M	0Lux	3.3-12mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VDS120S-VFA12DN			—	0.1Lux/0.0001Lux (Sens-up)	3.3-12mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC/24VAC	
	VDA111S-VFA12DN			—	0.1Lux/0.0001Lux (Sens-up)	3.3-12mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC/24VAC	
	VDA101S-VFAL12DN			—	0.1Lux/0.0001Lux (Sens-up)	3.6mm/2.8-12mm	600/650TVL	Digital	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VDA101S-VFAL12R			30M	0Lux	3.6mm/2.8-12mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VDA120S-VFAL12DN			—	0.1Lux/0.0001Lux (Sens-up)	3.3-12mm	600/650TVL	Digital	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VD70S			—	0.1Lux/0.0001Lux (Sens-up)	2.5/2.9/3.6/ 4.3/6mm	600/650TVL	Digital	2D/3DNR	WideLux	52dB	●	●	●	12VDC	
	VC56S			—	0.1Lux/0.0001Lux (Sens-up)	—	600/650TVL	Digital	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VC58S			—	0.1Lux/0.0001Lux (Sens-up)	—	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC, 12VDC/24VAC, 230VAC	
	VB60S-VF			—	0.1Lux/0.0001Lux (Sens-up)	4-9mm/9-22mm	600/650TVL	Digital	2D/3DNR	WideLux	52dB	●	●	●	12VDC	
	VB30S-VF			—	0.1Lux/0.0001Lux (Sens-up)	3.5-16mm	600/650TVL	Digital	2D/3DNR	WideLux	52dB	●	●	●	12VDC	
	VB21S			—	0.1Lux/0.0001Lux (Sens-up)	2.9/3.6/4.3/6/8/ 12/16mm	600/650TVL	Digital	2D/3DNR	WideLux	52dB	●	●	●	12VDC	
VS27S		—	0.1Lux/0.0001Lux (Sens-up)	2.9/3.6/4.3/6/8/ 12/16mm	600/650TVL	Digital	2D/3DNR	WideLux	52dB	●	●	●	12VDC			
VQ33S		—	0.1Lux/0.0001Lux (Sens-up)	3.6mm/2.8-12mm	600/650TVL	Digital	2D/3DNR	WideLux	52dB	●	●	●	12VDC			
VM42/38/32S		—	0.1Lux/0.0001Lux (Sens-up)	3.6mm/2.8-12mm	600/650TVL	ICR	2D/3DNR	WideLux	52dB	●	●	●	12VDC			
Box camera	VC57E		1/3" Sony 960H Double Scan CCD	—	0.2Lux/0.0001Lux (DSS)	—	650/700TVL	ICR	2D/3DNR	s/WDR	52dB	●	●	●	12VDC, 12VDC/24VAC, 230VAC	
	VC57WD		1/3" Sony Double Scan CCD	—	0.2Lux/0.0001Lux (DSS)	—	550/600TVL	ICR	—	s/WDR	50dB	●	●	●	12VDC, 12VDC/24VAC, 230VAC	
	VD57D15		Pixel Digital Imaging Device	—	0.3Lux/0.01Lux (DSS)	—	540/560TVL	ICR	—	Pixel WDR	50dB	●	●	●	12VDC, 12VDC/24VAC	
	VD57D8		Pixel Digital Imaging Device	—	0.1Lux/0.003Lux (DSS)	—	570TVL	ICR	3DNR	Pixel WDR	53dB	●	●	●	12VDC, 12VDC/24VAC	
	VC56H		1/3" Sony Super HAD CCD II	—	0.1Lux/0.0001Lux (Sens-up)	—	560/600TVL	Digital	3DNR	D-WDR	52dB	●	●	●	12VDC, 12VDC/24VAC, 230VAC	
	VF50HQ		1/3" Sony Super HAD CCD II	—	0.1Lux	—	560/600TVL	ICR	—	—	—	50dB	—	—	—	12VDC, 12VDC/24VAC
	VC34HQ		1/3" Sony Super HAD CCD II	—	0.1Lux	—	560/600TVL	Digital	—	—	—	50dB	—	—	—	12VDC
Dome camera	VDB105H-VF#50		1/3" Sony 960H Double Scan CCD II	50M	0Lux	2.8-12mm/ 5-50mm	560/600TVL	ICR	3DNR	D-WDR	52dB	●	●	●	12VDC, 12VDC/24VAC	
	VDA110E		1/3" Sony 960H Double Scan CCD	—	0.2Lux/0.0001Lux (DSS)	3.3-12mm/ 7.5-50mm	650/700TVL	ICR	2D/3DNR	s/WDR	52dB	●	●	●	12VDC, 12VDC/24VAC	

PRODUCT SELECTION GUIDE










Type	Model	Image	Imager	IR	Min. Lux	Lens	H. Res	DN	DNR	WDR	S/N Ratio	OSD	MD	Masking	Power
Dome camera	VDA10WD-VRLE2/30M		1/3" Sony Double Scan CCD	—	0.2Lux/0.0001Lux (DSS)	3.3-12mm/5-50mm	550/600TVL	ICR	—	sWDR	50dB	●	●	●	12VDC, 12VDC/24VAC
	VDA10WD-VFAL2/R		1/3" Sony Double Scan CCD	30M	0Lux	3.3-12mm	550/600TVL	ICR	—	sWDR	50dB	●	●	●	12VDC, 12VDC/24VAC
	VDA10HQ-VRLE2/500M		1/3" Sony Super HAD CCD II	—	0.1Lux	3.3-12mm/5-50mm	560/600TVL	ICR	—	—	50dB	—	—	—	12VDC, 12VDC/24VAC
	VDA10HQ-VFAL12R		1/3" Sony Super HAD CCD II	30M	0Lux	3.3-12mm	560/600TVL	ICR	—	—	50dB	—	—	—	12VDC, 12VDC/24VAC
	VD A110DZ-10		1/4" Sony Super HAD CCD	—	0.0007Lux (Sens-up)	Optical 10x, Digital 10x	500/570TVL	ICR	3DNR	—	50dB	●	●	●	12VDC/24VAC
	VD A140SHR-VFAL2R		1/3" Sony Super HAD CCD II	20M	0Lux	3.3-12mm	500/560TVL	ICR	—	—	50dB	—	—	—	12VDC/24VAC
	VD101H		1/3" Sony Super HAD CCD II	—	0.1Lux/0.00001Lux (Sens-up)	3.6mm/2.8-12mm	560/600TVL	Digital	3DNR	D-WDR	52dB	●	●	●	12VDC, 12VDC/24VAC
	VD101H-IR		1/3" Sony Super HAD CCD II	30M	0Lux	3.6mm/2.8-12mm	560/600TVL	ICR	3DNR	D-WDR	52dB	●	●	●	12VDC, 12VDC/24VAC
	VDS20H-VFA2DN		1/3" Sony Super HAD CCD II	—	0.1Lux/0.00001Lux (Sens-up)	3.3-12mm	560/600TVL	ICR	3DNR	D-WDR	52dB	●	●	●	12VDC/24VAC
	VDS20D15-VFA2DN		Pixim Digital Imaging Device	—	0.3Lux/0.01Lux(DSS)	3.3-12mm	540/560TVL	ICR	—	sWDR	50dB	●	●	●	12VDC/24VAC
	VDS20D88-VFA2DN		Pixim Digital Imaging Device	—	0.1Lux/0.008Lux(DSS)	3.3-12mm	570TVL	ICR	3DNR	sWDR	53dB	●	●	●	12VDC/24VAC
	VD A111H-VFA2DN		1/3" Sony Super HAD CCD II	—	0.1Lux/0.00001Lux (Sens-up)	3.3-12mm	560/600TVL	IRC	3DNR	D-WDR	52dB	●	●	●	12VDC/24VAC
	VD A11D5-VFA2DN		Pixim Digital Imaging Device	—	0.3Lux/0.01Lux(DSS)	3.3-12mm	540/560TVL	ICR	—	sWDR	50dB	●	●	●	12VDC/24VAC
	VD A11D88-VFA2DN		Pixim Digital Imaging Device	—	0.1Lux/0.003Lux(DSS)	3.3-12mm	570TVL	ICR	3DNR	sWDR	53dB	●	●	●	12VDC/24VAC
	VD70HQ		1/3" Sony Super HAD CCD II	—	0.1Lux	2.5/2.9/3.6/4.3/6mm	560/600TVL	Digital	—	—	50dB	—	—	—	12VDC
VD70CSHR-IR		1/3" Sony Super HAD CCD II	15M	0Lux	3.6/4.3/6/8mm	500/560TVL	Digital	—	—	50dB	—	—	—	12VDC	
PTZ Dome camera	VPD870WD		1/4" Sony Double Scan CCD	—	0.7Lux (Color), 0.02Lux (Sens-up), 0.06Lux (BW)	Optical 37x, Digital 12x	550/680TVL	ICR	DNR	sWDR	50dB	●	●	●	24VAC
	VPD830WD		1/4" Sony Double Scan CCD	—	0.7Lux (Color), 0.02Lux (Sens-up), 0.06Lux (BW)	Optical 33x, Digital 12x	550/680TVL	ICR	DNR	sWDR	50dB	●	●	●	24VAC
	VPD220		1/4" Sony Super HAD CCD	—	0.1Lux (Color), 0.02Lux (B/W)	Optical 22x	480/540TVL	Digital	—	—	50dB	●	—	—	24VAC
	VPD100		1/4" Sony Super HAD CCD	—	0.0007Lux (Sens-up)	Optical 33x, Digital 12x	520/570TVL	ICR	DNR	—	50dB	●	●	●	12VDC, 12VDC/24VAC
Super Night Vision Outdoor camera	VA102E		1/3" Sony 960H Double Scan CCD	70M	0Lux	7.5-50mm	650/700TVL	ICR	2D/3DNR	sWDR	52dB	●	●	●	24VDC
	VA102E-VL60		1/3" Sony 960H Double Scan CCD	120M	0Lux	7.5-50mm	650/700TVL	ICR	2D/3DNR	sWDR	52dB	●	●	●	24VDC
	VA102E-VL60W		1/3" Sony 960H Double Scan CCD	100M (Infrared)	0Lux	7.5-50mm	650/700TVL	ICR	2D/3DNR	sWDR	52dB	●	●	●	24VDC
	VA332WD		1/4" Double Scan CCD	70M	0Lux	Optical 33x, Digital 12x	550/680TVL	ICR	DNR	sWDR	50dB	●	●	●	24VDC
	VA332WD-VL60		1/4" Double Scan CCD	120M	0Lux	Optical 33x, Digital 12x	550/680TVL	ICR	DNR	sWDR	50dB	●	●	●	24VDC
	VA372WD		1/4" Double Scan CCD	70M	0Lux	Optical 37x, Digital 12x	550/680TVL	ICR	DNR	sWDR	50dB	●	●	●	24VDC
	VA372WD-VL60		1/4" Double Scan CCD	120M	0Lux	Optical 37x, Digital 12x	550/680TVL	ICR	DNR	sWDR	50dB	●	●	●	24VDC
	VA103WD-VL60		1/3" Sony Double Scan CCD	100M	0Lux	7.5-50mm	550/600TVL	ICR	—	sWDR	50dB	●	●	●	24VDC
	VA205-VL60		1/4" Sony Super HAD CCD	100M	0Lux	Optical 10x, Digital 10x	500/570TVL	ICR	DNR	—	50dB	●	●	●	24VDC
	WN73H-VL30/AL30W		1/3" Sony Super HAD CCD II	70M (IR), 40M (Infrared)	0Lux	4-9mm/8-22/5-50mm	560/600TVL	ICR	3DNR	D-WDR	52dB	●	●	●	12VDC/24VAC
	WN90SNX		1/3" Sony Ex-view HAD CCD	100M	0Lux	4-9mm/8-22/5-50mm	550/600TVL	ICR	—	—	50dB	●	—	●	24VDC
	WN90HQX		1/3" Sony Ex-view HAD CCD	70M	0Lux	4-9mm/8-22/5-50mm	560/600TVL	ICR	—	—	50dB	—	—	—	24VDC

Type	Model	Image	Imager	IR	Min. Lux	Lens	H. Res	DN	DNR	WDR	S/N Ratio	OSD	MD	Masking	Power
Super Night Vision Outdoor camera	VN80SS-VFA50		1/3" Sony Super HAD CCD II	70M	0Lux	4-9mm/9-22/5-50mm	550/600TVL	ICR	—	—	50dB	●	●	●	24VDC/24VAC
	VN80DZ-10		1/4" Sony Super HAD CCD	70M	0Lux	Optical 10x Digital 10x	500/570TVL	ICR	DNR	—	50dB	●	●	●	24VDC/24VAC
	VN7011H-VFA50		1/3" Sony Super HAD CCD II	50M	0Lux	2.8-12mm/4-9mm/ 9-22mm/8-50mm	560/600TVL	ICR	3DNR	D-WDR	52dB	●	●	●	12VDC, 12VDC/24VAC
	VN70HQ		1/3" Sony Super HAD CCD II	30M	0Lux	2.6-6mm/ 4-9mm/9-22mm	560/600TVL	ICR	—	—	50dB	—	—	—	12VDC or 24VAC
	VN60CSR-VFR		1/3" Sony Super HAD CCD II	20M	0Lux	4-9mm/9-22mm	500/560TVL	ICR	—	—	50dB	—	—	—	12VDC
	VN55CSR		1/3" Sony Super HAD CCD II	30M	0Lux	3.6/4.3/6/8mm	500/560TVL	Digital	—	—	50dB	—	—	—	12VDC
	VN56CS		1/3" Sony Super HAD CCD	25M	0Lux	3.6/4.3/6/8mm	400/420TVL	Digital	—	—	50dB	—	—	—	12VDC
Bullet camera	VB60CSR-VF		1/3" Sony Super HAD CCD II	—	0.1Lux	4-9mm/9-22mm	500/560TVL	Digital	—	—	50dB	—	—	—	12VDC
	VB21HQ		1/3" Sony Super HAD CCD II	—	0.1Lux	2.9/3.6/4.3/ 6/8/12/16mm	560/600TVL	Digital	—	—	50dB	—	—	—	12VDC
	VS27HQ		1/3" Sony Super HAD CCD II	—	0.1Lux	2.9/3.6/4.3/ 6/8/12/16mm	560/600TVL	Digital	—	—	50dB	—	—	—	12VDC
Miniature camera	VQ253C-B36		1/3" Super Sensilive CCD	—	0.3Lux	2.5/2.9/3.6/4.3/6.6/8/12/ 16/25mm 2.8/3.7/5.0 Pinhole	380/400TVL	Digital	—	—	50dB	—	—	—	12VDC
	VQ253C-H-B36		1/3" Super Sensilive CCD	—	0.3Lux	2.5/2.9/3.6/4.3/6.6/8/12/ 16/25mm 2.8/3.7/5.0 Pinhole	480/540TVL	Digital	—	—	50dB	—	—	—	12VDC
	VQ293C-B36		1/3" Super Sensilive CCD	—	0.3Lux	2.5/2.9/3.6/4.3/6.6/8/12/ 16/25mm 2.8/3.7/5.0 Pinhole	380/400TVL	Digital	—	—	50dB	—	—	—	12VDC
	VQ293C-H-B36		1/3" Super Sensilive CCD	—	0.3Lux	2.5/2.9/3.6/4.3/6.6/8/12/ 16/25mm 2.8/3.7/5.0 Pinhole	480/540TVL	Digital	—	—	50dB	—	—	—	12VDC
	VG33CSR-VFA		1/3" Sony Super HAD CCD II	—	0.1Lux	2.5/2.9/3.6/4.3/6.6/8/12/ 16/25mm 2.8/3.7/5.0 Pinhole, 2.8-12mm	500/560TVL	Digital	—	—	50dB	—	—	—	12VDC
License Plate Capture camera	VN80LP		1/3" Sony E/W Ex-view HAD CCD	10M	0Lux	16mm	600TVL	—	—	—	50dB	—	—	—	24VDC/24VAC
	VN70LP		1/3" Sony E/W Ex-view HAD CCD	1M/6mm 20M/35mm	0Lux	16mm/35mm	600TVL	—	—	—	50dB	—	—	—	24VDC/24VAC
Illuminator	VL100		850nm or 940nm	70M	0Lux	—	—	—	—	—	—	—	—	—	12VDC or 24VAC
	VL60		850nm	50M	0Lux	—	—	—	—	—	—	—	—	—	24VDC
	VL101		850nm or 940nm	120M	0Lux	—	—	—	—	—	—	—	—	—	12VDC/24VAC
	VL70W		White LED	50M	0Lux	—	—	—	—	—	—	—	—	—	12VDC/24VAC

PRODUCT SELECTION GUIDE - IP

Type	Model(Series)	Image OS	Hardware	Compression	Min. Lux	Image Sensor	Resolution Memory	SD Input/output	AUDIO	PCE APIprotocol	Viewer	Network
IP CAMERA	VC56M-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	1Lux(Color) 0.3Lux(B/W)	1/3" Sony 1.3M CMOS	1280(H) x 1024(V)	○	Full Duplex/G711	IEEE802.3af	Network Management 16channel Viewer	TCP/IP, DHCP, HTTP, UDP, FTP, SMTP, RTP, RTSP QoS, SSL
	VC58M-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0.0001Lux(Color) 0.0001Lux(B/W)	1/3" Sony 1.3M CMOS	1280(H) x 1024(V)	○	Full Duplex/G711	IEEE802.3af	Network Management 16channel Viewer	
	VDA110M-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0.2Lux(Color) 0.0001Lux(B/W)	1/3" Sony 1.3M CMOS	1280(H) x 1024(V)	—	Full Duplex/G711	IEEE802.3af	Network Management 16channel Viewer	
	VN7011M-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0Lux	1/3" Sony 1.3M CMOS	1280(H) x 1024(V)	—	Full Duplex/G711	—	Network Management 16channel Viewer	
	VC58S-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0.1Lux, 0.0001Lux (Sens-up)	1/3" Sony Super HAD CCD II	NTSC : 720 x 480, PAL : 720 x 576	○	Full Duplex/G711	IEEE802.3af	Network Management 16channel Viewer	
	VFD180S-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0.1Lux, 0.0001Lux (Sens-up)	1/3" Sony Super HAD CCD II	NTSC : 720 x 480, PAL : 720 x 576	○	Full Duplex/G711	IEEE802.3af	Network Management 16channel Viewer	
	VDA110S-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0.1Lux, 0.0001Lux (Sens-up)	1/3" Sony Super HAD CCD II	NTSC : 720 x 480, PAL : 720 x 576	—	Full Duplex/G711	IEEE802.3af	Network Management 16channel Viewer	
	VD101S-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0.1Lux, 0.0001Lux (Sens-up)	1/3" Sony Super HAD CCD II	NTSC : 720 x 480, PAL : 720 x 576	—	Full Duplex/G711	—	Network Management 16channel Viewer	
	VN7011S-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0Lux	1/3" Sony Super HAD CCD II	NTSC : 720 x 480, PAL : 720 x 576	—	Full Duplex/G711	—	Network Management 16channel Viewer	
	VA102E-VL60-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0Lux	1/3" 960H Double Scan CCD	NTSC : 720 x 480, PAL : 720 x 576	—	Full Duplex/G711	—	Network Management 16channel Viewer	
	VA335WD-VL60-P		Embedded Linux	H.264/MJPEG (Dual Stream)	0Lux	1/4" Double Scan CCD	NTSC : 720 x 480, PAL : 720 x 576	—	Full Duplex/G711	—	Network Management 16channel Viewer	
	VA375WD-VI60-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0Lux	1/4" Double Scan CCD	NTSC : 720 x 480, PAL : 720 x 576	—	Full Duplex/G711	—	Network Management 16channel Viewer	
	VPD370WD-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0.7Lux, 0.0002Lux (Sens-up)	1/4" Double Scan CCD	NTSC : 720 x 480, PAL : 720 x 576	—	Full Duplex/G711	IEEE802.3af	Network Management 16channel Viewer	
	VFD330WD-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0.7Lux, 0.0002Lux (Sens-up)	1/4" Double Scan CCD	NTSC : 720 x 480, PAL : 720 x 576	—	Full Duplex/G711	IEEE802.3af	Network Management 16channel Viewer	
	VFD220-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	1Lux	1/4" Sony Super HAD CCD	NTSC : 720 x 480, PAL : 720 x 576	—	Full Duplex/G711	IEEE802.3af	Network Management 16channel Viewer	
VFD100-IP		Embedded Linux	H.264/MJPEG (Dual Stream)	0.0007Lux (Sens-up)	1/4" Super HAD CCD	NTSC : 720 x 480, PAL : 720 x 576	—	Full Duplex/G711	IEEE802.3af	Network Management 16channel Viewer		

PRODUCT SELECTION GUIDE - DVR/NVR

Type	Model (Series)	Image	Display & Record Speed		Video INPUT	Compression	Monitor OUT				Alarm		Audio		HDD		ODD	REMOON	MOUSE
			Display	Record			VGA	BNC	Spot	SVHS	IN/UT	Relay/Out	Input	Output	Max	Max/Drive			
Premium Embedded DVR	VH0424		120/100ps	240/200ps	Analog 4CH	H.264/MJPEG	1	1	1	—	4	4	4	1	1.5TB	4	—	○	OPTION
	VH0824		240/200ps	240/200ps	Analog 8CH	H.264/MJPEG	1	1	1	1	8	4	4	1	1.5TB	4	DVD-RW (OPTION)	○	OPTION
	VH1624		480/400ps	240/200ps	Analog 16CH	H.264/MJPEG	1	1	1	1	16	4	4	1	1.5TB	4	DVD-RW (OPTION)	○	OPTION
	VH1648		480/400ps	480/480ps	Analog 16CH	H.264/MJPEG	1	1	1	1	16	4	8	1	1.5TB	4	DVD-RW (OPTION)	○	OPTION
Premium PC DVR	VHP1648		480/400ps	480/480ps	Analog 16CH	H.264/MJPEG	1	1	4	—	16	8	16	1	1.5TB	4	DVD-RW (OPTION)	—	OPTION
NVR	VNR0412		120/100ps	120/100ps	IP 4CH	H.264/MPEG4 MJPEG	1	—	—	—	4	4	4	—	1.5TB	4	—	—	OPTION
	VNR1248		480/400ps	480/400ps	IP 8CH	H.264/MPEG4 MJPEG	1	—	—	—	16	16	16	—	1.5TB	4	—	—	OPTION
	VNR2575		750/625ps	750/625ps	IP 25CH	H.264/MPEG4 MJPEG	1	—	—	—	25	25	25	—	1.5TB	4	—	—	OPTION
	VNR3618		1080/900ps	1080/900ps	IP 36CH	H.264/MPEG4 MJPEG	1	—	—	—	36	36	36	—	1.5TB	4	—	—	OPTION

Analog Camera

<p>VN80S-VFA50 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 4-9mm/9-22mm/5-50mm VF DC Iris lens, Focus External Adj., 70M IR View, 2D/3DNR, OSD, RS-485, Intelligent IR Control, True DN(ICR), IP67, 12VDC-24VAC</p>	16P	
<p>VN70 II S-VFA50 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 2.8-12mm/4-9mm/9-22mm/5-50mm VF DC Iris lens, Focus External Adj., 50M IR View, 2D/3DNR, OSD, RS-485, Intelligent IR Control, True DN(ICR), IP67, 12VDC-24VAC</p>	17P	
<p>VN60S-VFIR 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 4-9mm/9-22mm VF DC Iris lens, Focus External Adj., 20M IR View, 2D/3DNR, OSD, RS-485, Intelligent IR Control, True DN(ICR), IP67, 12VDC</p>	18P	
<p>VN55S 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 3.6mm/4.3mm/6mm/8mm IR correction lens, 30M IR View, 2D/3DNR, OSD, RS-485, Intelligent IR Control, IP67, 12VDC</p>	19P	
<p>VDB105S-VFA50 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 2.8-12mm/5-50mm VF DC Iris lens, Focus External Adj., 50M IR View, 2D/3DNR, OSD, RS-485, Intelligent IR Control, All Directional Mount, True DN(ICR), IP65, 12VDC-24VAC</p>	20P	
<p>VDA110S-VFAL12DN/VDA110S-VFAL50DN 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 2.8-12mm/5-50mm VF DC Iris lens, 0.1Lux, 0.0001Lux (Sens-up), 2D/3DNR, OSD, RS-485, Tool-free 3-Axis, True DN(ICR), Fan & Heater(Option), IP66, 12VDC-24VAC</p>	21P	
<p>VDA110S-VFAL12IR 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 2.8-12mm VF DC Iris lens, 30M IR View, 2D/3DNR, OSD, RS-485, Intelligent IR Control, Tool-free 3-Axis, True DN(ICR), Fan & Heater(Option), IP66, 12VDC-24VAC</p>	22P	
<p>VDA140S-VFA12DN 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 3.3-12mm VF DC Iris lens, 0.1Lux, 0.0001Lux(Sens-up), 2D/3DNR, OSD, RS-485, All Directional Mount, Eyeball detachable by magnetic, Surface/Flush mount compatible, True DN(ICR), IP66, 12VDC-24VAC</p>	23P	
<p>VDA140S-VFA12IR 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 2.8-12mm VF DC Iris lens, 20M IR View, 2D/3DNR, OSD, RS-485, All Directional Mount, Eyeball detachable by magnetic, Surface/Flush mount compatible, True DN(ICR), IP66, 12VDC-24VAC</p>	24P	
<p>VDS120S-VFA12DN 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 3.3-12mm VF DC Iris lens, 0.1Lux, 0.0001Lux(Sens-up), 2D/3DNR, OSD, RS-485, Tool-free 3-Axis, True DN(ICR), 12VDC-24VAC</p>	25P	
<p>VDA111S-VFA12DN 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 3.3-12mm VF DC Iris lens, 0.1Lux, 0.0001Lux(Sens-up), 2D/3DNR, OSD, RS-485, Tool-free 3-Axis, True DN(ICR), IP66, 12VDC-24VAC</p>	26P	

<p>VD101S-VFAL12DN 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 2.8-12mm VF DC Iris lens, 0.1Lux, 0.0001Lux(Sens-up), 2D/3DNR, OSD, RS-485, 3-Axis, 12VDC-24VAC</p>	27P	
<p>VD101S-VFAL12IR 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 2.8-12mm VF DC Iris lens, 30M IR View, 2D/3DNR, OSD, RS-485, 3-Axis, True DN(ICR), 12VDC-24VAC</p>	28P	
<p>VD120S-VFAL12DN 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 3.3-12mm VF DC Iris lens, 0.1Lux, 0.0001Lux(Sens-up), 2D/3DNR, OSD, RS-485, 3-Axis, 12VDC-24VAC</p>	29P	
<p>VD70S 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 2.5mm/2.9mm/3.6mm/4.3mm/6mm lens, 2D/3DNR, OSD, RS-485, All Directional Mount, IP66, 12VDC</p>	30P	
<p>VC56S 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, C/CS Mount, 2D/3DNR, OSD, RS-485, 12VDC-24VAC</p>	31P	
<p>VC58S 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, C/CS Mount, 2D/3DNR, OSD, True DN(ICR), RS-485, 12VDC-24VAC, 230VAC</p>	32P	
<p>VB60S-VF 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 4-9mm/9-22mm VF DC Iris lens, 2D/3DNR, OSD, RS-485, Focus External Adj., IP67, 12VDC</p>	33P	
<p>VB30S-VF 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 3.5-16mm VF lens, 2D/3DNR, OSD, RS-485, Focus External Adj., IP67, 12VDC</p>	34P	
<p>VB21S/VB25S/VS27S 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, 2.5mm(VB25S)/2.9mm/3.6mm/4.3mm/6mm/8mm/12mm/16mm lens, 2D/3DNR, OSD, RS-485, IP67, 12VDC</p>	35P	
<p>VQ33S 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, Board/Pinhole/Varifocal lens, 2D/3DNR, OSD, RS-485, IP67, 12VDC</p>	36P	
<p>VM42S/VM38S/VM32S 1/3" Sony Super HAD CCD II, sWDR, 600/650TVL, Board/Pinhole/Varifocal lens, 2D/3DNR, OSD, RS-485, True DN(ICR), 12VDC</p>	37P	

Analog Camera

VA102E-VL60/VL60W 1/3" Sony Double Scan CCD, sWDR, 650/700TVL, 7.5-50mm VF DC Iris lens, Focus External Adj., 120M IR/100M White View, 2D/3DNR, OSD, RS-485, Intelligent IR Control, True DN(ICR), Fan & Heater(Option), IP66, 24VDC	38P	
VDA110E 1/3" Sony Double Scan CCD, sWDR, 650/700TVL, 7.5-50mm VF DC Iris lens, 0.2Lux, 0.0001Lux(DSS), 2D/3DNR, OSD, RS-485, True DN(ICR), IP66, Fan & Heater(Option), 12VDC-24VAC	40P	
VC57E 1/3" Sony Double Scan CCD, sWDR, 650/700TVL, C/CS Mount lens, 0.2Lux, 0.0001Lux(DSS), 2D/3DNR, OSD, RS-485, True DN(ICR), 12VDC-24VAC, 230VAC	41P	
VA105WD-VL60 1/3" Sony Double Scan CCD, sWDR, 550/600TVL, 7.5-50mm VF DC Iris lens, 100M IR View, OSD, RS-485, Intelligent IR Control, True DN(ICR), IP66, 24VDC	42P	
VA205-VL60 1/4" Sony Super HAD CCD, 500/570TVL, 10x Optical & 10x Digital Zoom, Auto Focus, 100M IR View, DNR, OSD, RS-485, True DN(ICR), IP66, 24VDC	44P	
VA332WD-VL60 1/4" Sony Super HAD CCD, sWDR, 550/680TVL, 33x Optical & 12x Digital Zoom, Auto Focus, 120M IR View, 3DNR, OSD, RS-485, True DN(ICR), Fan & Heater(Option), IP66, 24VDC	46P	
VA372WD-VL60 1/4" Sony Super HAD CCD, sWDR, 550/680TVL, 37x Optical & 12x Digital Zoom, Auto Focus, 120M IR View, 3DNR, OSD, RS-485, True DN(ICR), Fan & Heater(Option), IP66, 24VDC	48P	
VN90SNX 1/3" Sony Ex-view HAD CCD, 550/600TVL, 4-9mm/9-22mm/5-50mm VF Auto DC Iris lens, Focus External Adj., 100M IR View, OSD, RS-485, True DN(ICR), IP67, 24VDC	50P	
VN90HQX 1/3" Sony Ex-view HAD CCD, 560/600TVL, 4-9mm/9-22mm/5-50mm VF Auto DC Iris lens, Focus External Adj., 70M IR View, OSD, RS-485, True DN(ICR), IP67, 24VDC	52P	
VN80SS-VFA50 1/3" Sony Super HAD CCD II, 550/600TVL, 4-9mm/9-22mm/5-50mm VF Auto DC Iris lens, Focus External Adj., 70M IR View, OSD, RS-485, True DN(ICR), IP67, 24VDC-24VAC	54P	
VN80DZ-10 1/4" Sony Super HAD CCD, 500/570TVL, 10x Optical & 10x Digital Zoom, Auto Focus, 70M IR View, DNR, OSD, RS-485, True DN(ICR), IP67, 24VDC-24VAC	56P	

VN73H-VL50/VL50W 1/3" Sony Super HAD CCD II, 560/600TVL, 4-9mm/9-22mm/5-50mm VF DC Iris lens, Focus External Adj., 70M IR/40M White View, 3DNR, OSD, RS-485, Intelligent IR Control, True DN(ICR), IP67, 24VDC-24VAC	58P	
VN70 II H 1/3" Sony Super HAD CCD II, 560/600TVL, 2.8-12mm/4-9mm/9-22mm/5-50mm VF DC Iris lens, Focus External Adj., 50M IR View, 3DNR, OSD, RS-485, Intelligent IR Control, True DN(ICR), IP67, 12VDC-24VAC	59P	
VN70HO 1/3" Sony Super HAD CCD II, 560/600TVL, 2.6-6mm/4-9mm/9-22mm VF Auto DC Iris lens, Focus External Adj., 30M IR View, True DN(ICR), IP67, 12VDC-24VAC	60P	
VN60CSHR-VFIR 1/3" Sony Super HAD CCD II, 500/560TVL, 4-9mm/9-22mm VF Auto DC Iris lens, Focus External Adj., 20M IR View, True DN(ICR), IP67, 12VDC	62P	
VN55CSHR 1/3" Sony Super HAD CCD II, 500/600TVL, 3.6mm/4.3mm/6mm/8mm IR correction lens, 30M IR View, IP67, 12VDC	63P	
VN80LP 1/3" Sony B/W Ex-view HAD CCD, 600TVL, 2-10M IR View, IP67, 24VDC-24VAC	64P	
VN70LP 1/3" Sony B/W Ex-view HAD CCD, 600TVL, 2-10M/16mm lens, 2-20mm/35mm lens IR View, IP67, 24VDC-24VAC	65P	
VPD370WD/VPD330WD 1/4" Sony Double Scan CCD, sWDR, 550/680TVL, 33x/37x Optical & 12x Digital Zoom, 0.7Lux/F1.6(Color), 0.002Lux (Sens-up, 256x), 0.06/F1.6(B/W), 3DNR, OSD, RS-485, True DN(ICR), Outdoor option(Pan & Heater, IP66), 24VAC	66P	  Indoor Outdoor
VPD100 1/4" Sony Super HAD CCD, 500/570TVL, 10x Optical & 10x Digital Zoom, 0.0007Lux/F1.8(Sens-up), DNR, OSD, RS-485, True DN(ICR), Surface/Flush mount compatible, Fan & Heater(Option), IP66, 12VDC-24VAC	68P	
VPD220 1/4" Sony Super HAD CCD, 480/540TVL, 22x Optical Zoom, 0.1Lux(Color), 0.02/F1.6, OSD, RS-485, Outdoor option(Pan & Heater, IP66), 24VAC	70P	
VDB105H-VFA50 1/3" Sony Super HAD CCD II, 560/600TVL, 2.8-12mm/5-50mm VF DC Iris lens, Focus External Adj., 50M IR View, 3DNR, OSD, RS-485, Intelligent IR Control, All Directional Mount, True DN(ICR), IP65, 12VDC-24VAC	71P	

Analog Camera

VDA110WD-VFAL12DN / VDA110WD-VFAL50DN 1/3" Sony Double Scan CCD, sWDR, 550/600TVL, 3.3-12mm VF DC Iris lens, 0.2Lux, 0.0001Lux(Sens-up), OSD, RS-485, Tool-free 3-Axis, True DN(ICR), Fan & Heater(Optional), IP66, 12VDC-24VAC	76P	
VDA110WD-VFAL12IR 1/3" Sony Double Scan CCD, sWDR, 550/600TVL, 3.3-12mm VF DC Iris lens, 30M IR View, OSD, RS-485, Tool-free 3-Axis, True DN(ICR), Fan & Heater(Optional), IP66, 12VDC-24VAC	77P	
VDA140CSHR-VFA12IR 1/3" Sony Super HAD CCD II, 500/560TVL, 3.3-12mm VF DC Iris lens, 20M IR View, All Directional Mount, Eyeball detachable by magnetic, Surface/Flush mount compatible, True DN(ICR), IP66, 12VDC-24VAC	78P	
VDS120D15-VFA12DN Pixim WDR digital Imaging device, sWDR, 540/560TVL, 3.3-12mm VF DC Iris lens, 0.3Lux, 0.01Lux(DSS), OSD, RS-485, Tool-free 3-Axis, True DN(ICR), 12VDC-24VAC	79P	
VDS120H-VFA12DN 1/3" Sony Super HAD CCD II, 560/600TVL, 3.3-12mm VF DC Iris lens, 3DNR, OSD, RS-485, Tool-free 3-Axis, True DN(ICR), 12VDC-24VAC	80P	
VDS120D88-VFA12DN Pixim WDR digital Imaging device, sWDR, 570(H)/460(V)TVL, 3.3-12mm VF DC Iris lens, 0.1Lux, 0.003Lux(DSS), 3DNR, OSD, RS-485, Tool-free 3-Axis, True DN(ICR), 12VDC-24VAC	81P	
VDA111D15-VFA12DN Pixim WDR digital Imaging device, sWDR, 540/560TVL, 3.3-12mm VF DC Iris lens, 0.3Lux, 0.01Lux(DSS), OSD, RS-485, Tool-free 3-Axis, True DN(ICR), IP66, 12VDC-24VAC	82P	
VDA111H-VFA12DN 1/3" Sony Super HAD CCD II, 560/600TVL, 3.3-12mm VF DC Iris lens, 3DNR, OSD, RS-485, Tool-free 3-Axis, True DN(ICR), IP66, 12VDC-24VAC	83P	
VDA111D88-VFA12DN Pixim WDR digital Imaging device, sWDR, 570(H)/460(V)TVL, 3.3-12mm VF DC Iris lens, 0.1Lux, 0.003Lux(DSS), 3DNR, OSD, RS-485, Tool-free 3-Axis, True DN(ICR), IP66, 12VDC-24VAC	84P	
VD101H 1/3" Sony Super HAD CCD II, 560/600TVL, Monofocal/2.8-12mm VF DC Iris lens, 3DNR, OSD, RS-485, 3-Axis, 12VDC-24VAC	85P	
VD101H-IR 1/3" Sony Super HAD CCD II, 560/600TVL, Monofocal/2.8-12mm VF DC Iris lens, 30M IR View, 3DNR, OSD, RS-485, 3-Axis, 12VDC-24VAC	86P	
VD70HQ 1/3" Sony Super HAD CCD II, 560/600TVL, 2.5mm/2.9mm/3.6mm/4.3mm/6mm lens, All Directional Mount, IP66, 12VDC	87P	

VC57WD 1/3" Sony Double Scan CCD, sWDR, 550/600TVL, 0.2Lux/F1.2, 0.0001Lux(DSS), C/CS Mount, OSD, True DN(ICR), RS-485, 12VDC-24VAC, 230VAC	88P	
VC57D15 Pixim WDR digital Imaging device, sWDR, 540/560TVL, 0.3Lux/F1.2, 0.01Lux(DSS), C/CS Mount, OSD, True DN(ICR), RS-485, 12VDC-24VAC	90P	
VC57D88 Pixim WDR digital Imaging device, sWDR, 570(H)/460(V)TVL, 0.1Lux/F1.2, 0.003Lux(DSS), C/CS Mount, OSD, True DN(ICR), RS-485, 12VDC-24VAC	92P	
VC56H 1/3" Sony Super HAD CCD II, 560/600TVL, C/CS Mount, 0.2Lux/F1.2, 0.0001Lux(Sens-up), 3DNR, OSD, RS-485, 12VDC-24VAC, 230VAC	94P	
VC34HQ 1/3" Sony Super HAD CCD II, 560/600TVL, C/CS Mount, 0.1Lux/F1.2, 12VDC	95P	
VF50HQ 1/3" Sony Super HAD CCD II, 560/600TVL, 4-9mm/9-22mm VF Auto DC Iris lens, 0.1Lux/F1.6, True DN(ICR), 12VDC-24VAC	96P	
VB60CSHR-VF 1/3" Sony Super HAD CCD II, 500/560TVL, 4-9mm/9-22mm VF CCD Iris lens, 0.1Lux/F1.6, Focus External Adj., IP67, 12VDC	97P	
VD70CSHR-IR 1/3" Sony Super HAD CCD II, 500/560TVL, 2.9mm/3.6mm/4.3mm/6mm lens, 15M IR View, All Directional Mount, IP66, 12VDC	98P	
VB21HQ/VB25HQ/VS27HQ 1/3" Sony Super HAD CCD II, 560/600TVL, 2.5mm(VB25HQ)/2.9mm/3.6mm/4.3mm/6mm/8mm/12mm/16mm lens, 0.1Lux/F2.0, IP67, 12VDC	99P	
VQ253/293/33 • VQ253/293 : 1/3" Super Sensitive CCD, 380(480)TVL, 0.3 Lux/F2.0, 12VDC • VQ33CSHR : 1/3" Sony Super HAD CCD II, 500/560TVL, 0.1 Lux/F2.0, 12VDC	100P	
VL100/VL60 • VL100 : 70M IR Beam Distance, 850/940mm, IP67, 12VDC or 24VAC • VL60 : 50M IR Beam Distance, 850mm, IP67, 24VDC	101P	
VL101/VL70W • VL101 : 120M IR Beam Distance, 850mm, IP67, 24VAC • VL70W : 100M Visible range, White LED, IP67, 24VDC-24VAC	102P	

DVR

<p>VH0424(4CH)</p> <p>4CH, Embedded Linux, H.264/MJPEG, Network, 120fps(Display)/240fps(Recording), Web/VMS/CMS</p>	110P	
<p>VH0824(8CH)</p> <p>8CH, Embedded Linux, H.264/MJPEG, Network, 240fps(Display)/240fps(Recording), Web/VMS/CMS</p>	110P	
<p>VH1624(16CH)</p> <p>16CH, Embedded Linux, H.264/MJPEG, Network, 480fps(Display)/240fps(Recording), Web/VMS/CMS</p>	110P	
<p>VH1648(16CH)</p> <p>16CH, Embedded Linux, H.264/MJPEG, Network, 480fps(Display)/480fps(Recording), Web/VMS/CMS</p>	110P	
<p>VHP1648</p> <p>16CH, XP Embedded, H.264/MJPEG, Network, 480fps(Display)/480fps(Recording), Web/VMS/CMS</p>	110P	

IP Camera

<p>VC56M-IP</p> <p>1/3" Sony 1.3M CMOS, H.264/MJPEG, Max. 1280 x 1024, Max. 25fps, Full Duplex Audio, SD Card Slot, 10/100 Base-T Ethernet, 12VDC/PoE</p>	114P	
<p>VC58M-IP</p> <p>1/3" Sony 1.3M CMOS, H.264/MJPEG, Max. 1280 x 1024, Max. 25fps, Full Duplex Audio, SD Card Slot, 10/100 Base-T Ethernet, True DN(ICR), 12VDC/PoE</p>	114P	
<p>VDA110M-IP</p> <p>1/3" Sony 1.3M CMOS, H.264/MJPEG, Max. 1280 x 1024, Max. 25fps, Full Duplex Audio, SD Card Slot, 10/100 Base-T Ethernet, DN(ICR), 12VDC/PoE</p>	114P	
<p>VN70 II M-IP</p> <p>1/3" Sony 1.3M CMOS, H.264/MJPEG, Max. 1280 x 1024, Max. 25fps, Full Duplex Audio, SD Card Slot, 10/100 Base-T Ethernet, 50M IR View, True DN(ICR), IP67, 12VDC</p>	114P	
<p>VC58S-IP</p> <p>1/3" Sony Super HAD CCD II, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, sWDR, SD Card Slot, 10/100 Base-T Ethernet, True DN(ICR), 12VDC/PoE</p>	115P	

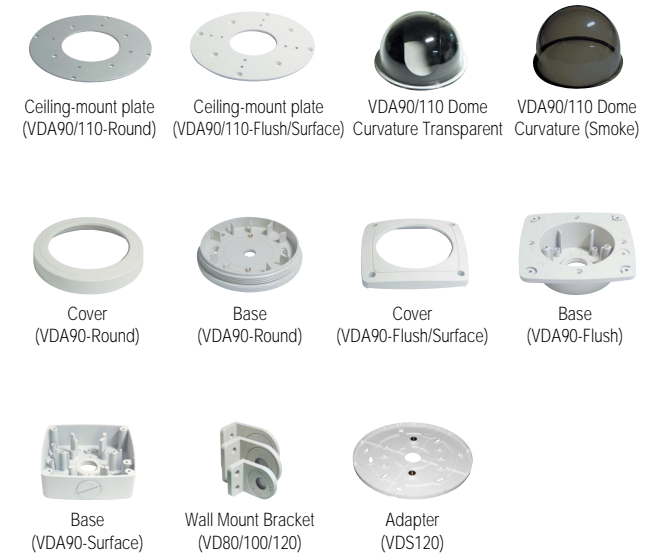
<p>VPD180S-IP</p> <p>1/3" Sony Super HAD CCD II, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, sWDR, 3-8mm VF DC Iris lens, SD Card Slot, 10/100 Base-T Ethernet, True DN(ICR), Auto Panning, 12VDC/PoE</p>	115P	
<p>VDA110S-IP</p> <p>1/3" Sony Super HAD CCD II, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, sWDR, 3.3-12mm VF DC Iris lens, SD Card Slot, 10/100 Base-T Ethernet, True DN(ICR), IP66, 12VDC/PoE</p>	115P	
<p>VD101S-IP</p> <p>1/3" Sony Super HAD CCD II, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, sWDR, 2.8-12mm VF DC Iris lens, 10/100 Base-T Ethernet, 12VDC</p>	115P	
<p>VN70 II S-IP</p> <p>1/3" Sony Super HAD CCD II, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, sWDR, 3.3-12mm VF DC Iris lens, SD Card Slot, 10/100 Base-T Ethernet, 50M IR View, True DN(ICR), IP67, 12VDC</p>	116P	
<p>VA102E-VL60-IP</p> <p>1/3" Sony Double Scan CCD, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, sWDR, 7.5-50mm VF DC Iris lens, 10/100 Base-T Ethernet, 120M IR View, True DN(ICR), IP66, 24VDC</p>	116P	
<p>VA335WD-VL60-IP</p> <p>1/4" Sony Double Scan CCD, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, sWDR, 33x Optical & 12x Digital Zoom, Auto Focus, 10/100 Base-T Ethernet, 120M IR View, True DN(ICR), IP66, 24VDC</p>	116P	
<p>VA375WD-VL60-IP</p> <p>1/4" Sony Double Scan CCD, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, sWDR, 37x Optical & 12x Digital Zoom, Auto Focus, 10/100 Base-T Ethernet, 120M IR View, True DN(ICR), IP66, 24VDC</p>	116P	
<p>VPD370WD-IP</p> <p>1/4" Sony Double Scan CCD, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, sWDR, 37x Optical & 12x Digital Zoom, Auto Focus, 10/100 Base-T Ethernet, True DN(ICR), IP66, 12VDC/PoE</p>	117P	
<p>VPD330WD-IP</p> <p>1/4" Sony Double Scan CCD, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, sWDR, 33x Optical & 12x Digital Zoom, Auto Focus, 10/100 Base-T Ethernet, True DN(ICR), Outdoor option(Fan & Heater option, IP66), 12VDC/PoE</p>	117P	
<p>VPD220-IP</p> <p>1/4" Sony Super HAD CCD, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, 22x Optical Zoom, Auto Focus, 10/100 Base-T Ethernet, Outdoor option(Fan & Heater option, IP66), 12VDC/PoE</p>	117P	
<p>VPD100-IP</p> <p>1/4" Sony Super HAD CCD, H.264/MJPEG, Max. 720 x 480, Max. 30fps, Full Duplex Audio, 10x Optical & 10x Digital Zoom, Auto Focus, 10/100 Base-T Ethernet, IP66, 12VDC/PoE</p>	117P	

NVR

<p>VNR0412</p> <p>4CH, H.264/MPEG 4/MJPEG, Megapixel & HDTV(720p/1080i) support, Record H.264 image of 1080i at 30fps per Channel, 2 ways Audio, Live monitoring/Playback/Control via Console Monitor, Support Data Streaming Server, Automatic Sensing & Registration of Cameras through UPNP, Support DAS, NAS, SAN etc., PTZ Control</p>	122P	
<p>VNR1648</p> <p>16CH, H.264/MPEG 4/MJPEG, Megapixel & HDTV(720p/1080i) support, Record H.264 image of 1080i at 30fps per Channel, 2 ways Audio, Live monitoring/Playback/Control via Console Monitor, Support Data Streaming Server, Automatic Sensing & Registration of Cameras through UPNP, Support DAS, NAS, SAN etc., PTZ Control</p>	122P	
<p>VNR2575</p> <p>25CH, H.264/MPEG 4/MJPEG, Megapixel & HDTV(720p/1080i) support, Record H.264 image of 1080i at 30fps per Channel, 2 ways Audio, Live monitoring/Playback/Control via Console Monitor, Support Data Streaming Server, Automatic Sensing & Registration of Cameras through UPNP, Support DAS, NAS, SAN etc., PTZ Control</p>	122P	
<p>VNR3618</p> <p>36CH, H.264/MPEG 4/MJPEG, Megapixel & HDTV(720p/1080i) support, Record H.264 image of 1080i at 30fps per Channel, 2 ways Audio, Live monitoring/Playback/Control via Console Monitor, Support Data Streaming Server, Automatic Sensing & Registration of Cameras through UPNP, Support DAS, NAS, SAN etc., PTZ Control</p>	122P	





Dome parts



Camera Bracket Parts



Accessories

<p>POD-Tx(1CH) / Transmitter</p> <ul style="list-style-type: none"> • CVBS 1.0Vp-p, 75Ohms Termination • DC12V/1.5A • Max. Distance up to 300mm/5C-HF8T 	124P	
<p>POD-Rx(4CH) / Receiver</p> <ul style="list-style-type: none"> • CVBS 1.0Vp-p, 75Ohms Termination • AC85-132V / AC 176-264V Selected by switch(47-63Hz) • Bord width : 11.5MHz 	124P	

Vandal dome Accessories

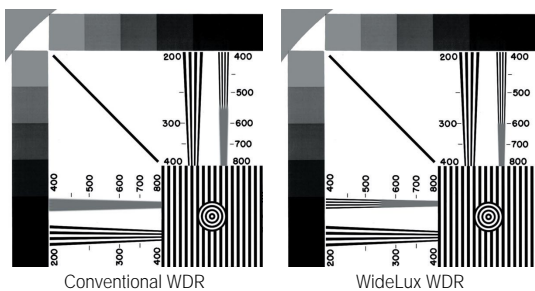


WideLux WDR Technology

Visionhitech WideLux WDR technology provides a number of significant imaging benefits as compared to a current alternative WDR solution available in the market. It achieves these benefits due to the unique built-in Timing Generator unit complemented by the special dedicated units for advanced signal processing. The purpose of this Technology Release is to describe shortly the advantages provided by a WDR camera in view of Super Low Light Sensitivity, Ultra Wide Dynamic Range Performance, High Resolution, 3D Noise Reduction, Sens-up, Anti Color Rolling, Highlight Eclipse, RS-485 Interface and Intelligent IR Control.

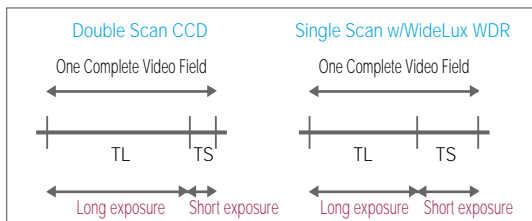
A. High Resolution of 600TVL(Color) / 650TVL(B/W)

WideLux WDR Technology reproduces high resolution of 600TVL at daytime and 650TVL at nighttime. New DSP by employing the special timing generator and accompanying signal processing provides a special mode of CCD operation to increase the resolution also in the vertical direction like almost its horizontal resolution.



B. Remarkable WDR Performance

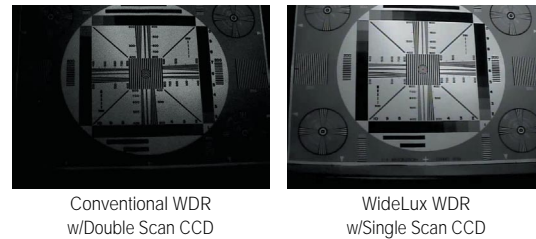
Wide Dynamic Range Camera solution uses two channels to provide the full information about the scene being imaged. In popular terminology, so-called a "Long" channel (long exposure) provides information about the dark portion of the scene, while so-called a "Short" channel (short exposure) features brightly lighted portions of the same scene. The ratio between "Long" and "Short" exposures defines the extent of the dynamic range that the camera is able to handle. This new WDR Technology offers much more contrast WDR performance with the extent of the Short Exposure than the current WDR technology in the market.



C. Super Low Light Performance with Single Scan CCD

Current WDR camera solutions are based on the Double Scan CCD that has almost two times lower sensitivity compared with Single Scan CCD named as 1/3" Sony Super HAD CCD II. WideLux technology provides a special timing and accompanying signal processing to 1/3" Sony Super HAD CCD II that operates the sensor at a dual scan rate in situations

requiring Wide Dynamic Range imaging. Whenever the ambient lighting becomes weak, new WDR chip automatically reverts to the single scan operation and achieves twice better sensitivity.



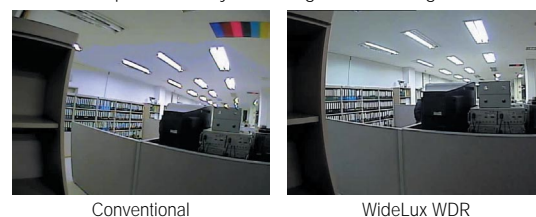
D. 2D/3D Noise Reduction

2D/3DNR achievement is another reference in WideLux WDR technology. It reproduces noiseless images with 2D/3D filtering Noise Reduction Technology so that users can save the volume of storage media and HDD capacity in DVR. 2DNR helps preserved edges in the picture. When the object moves under low light conditions, the image is inevitably blurred because of using the camera memory. But, 3DNR Technology realizes clear images with no ghost effect.



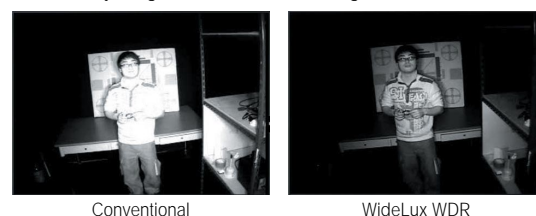
E. Anti Color Rolling

When operating a wide dynamic range camera in an environment with a fluorescent lighting, an effect that is called "color rolling" usually happens due to the lack of the synchronization between the camera and the neon light. Improper synchronization causes short channel to acquire an image which spans different sections of the sinus wave that is powering the fluorescent lamp. Colors in the final image are floating, changing their tint with a slow periodicity. WideLux WDR technology based system tracks the light changes relative to the camera and adapts its own timing to the periodicity of fluorescent illumination to the sample light at a constant phase, virtually eliminating the color rolling effect.



F. Intelligent IR Control

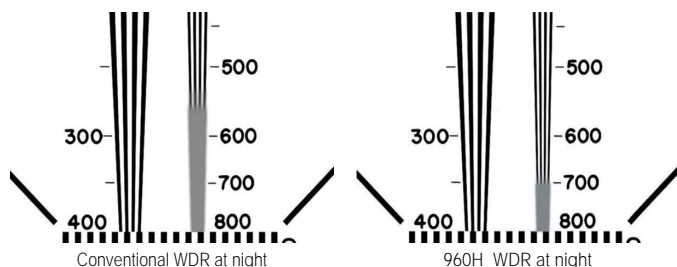
When the objects come closer to the IR light shooting area, the objects become all WHITE, making the image totally unrecognizable in conventional IR cameras. New WDR Technology achieved a special technology that analyzes the strength of light reflection of the objects and automatically adjusts the image quality clearly recognizable when the objects get closer to the IR shooting area.



Technology for 650TVL WDR & 2D/3DNR Portfolio

A. Extremely horizontal resolution of 650TVL(Color)/700TVL(BW)

Thanks to 960H CCD, the product portfolio reproduces 650TVL at daytime and 700TVL at nighttime. The unique signal processing technology makes the camera possible to reproduce maximum-optimized output signal frequency of the chrominance according to the situation of surveillance areas. Furthermore, more than 52dB of S/N ratio improvement provides clear and noiseless picture quality.



B. Remarkable super sensitivity with 1.6 times higher than conventional WDR cameras

The outstanding feature is to offer 1.6 times higher sensitivity with 960H Super Hi-Res CCD than Conventional WDR cameras at the low light illumination.

Till now, not so hot low light performance in High-Res WDR cameras with a Double Scan CCD was recognized as a technical limitation in the market. But, this sensor structure has been re-examined aiming at surpassing high sensitivity independent of F value.

Though the pixel size became small, the latest technology including improvement of condensing efficiency, sensor area expansion, internal gain increment and S/N ratio improvement has realized the sensitivity improvement +4dB or more than the current Sony's HAD technology sensors.



Conventional WDR

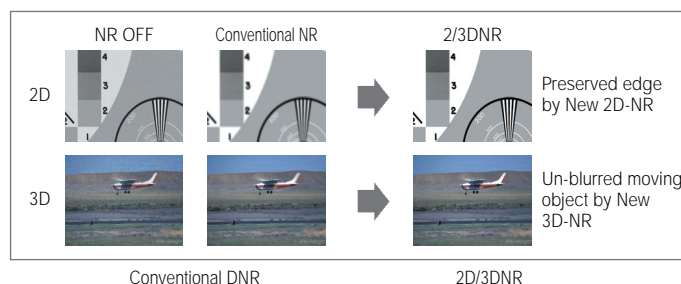
650TVL WDR

C. The prominent Clear image quality in low light conditions and 2D/3D Noise Reduction

Sony's latest WDR processor realizes High Resolution, High S/N ratio and High Color reproduction for Security cameras. Based on IR Sensitive mechanical Day/Night filter system built-in, the product portfolio switches True Color image at daytime and Noiseless B/W image at nighttime at the designated lux level automatically and simultaneously. It is a very optimized solution for 24/7 surveillance.

Furthermore, Digital Slow Shutter processing efficiently makes the light source 160 times strength.

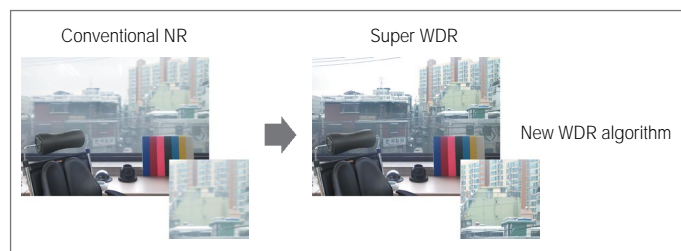
Diverse Digital Noise reduction feature offers an outstanding discrimination with advanced noise reduction technology of 2D/3D filtering, accordingly, the noiseless clear images reduce the storage of DVR or other recording media. 3DNR offers un-blurred moving object while 2DNR, preserved edges in the picture.



D. Newly & Perfectly developed WDR function jumps the technology hurdles of the conventional WDR cameras.

The differential feature between this WDR product portfolio and conventional WDR cameras is distinctively estimated by different levels of backlit or contrast lighting situations.

Great Color reproduction & outlining achieved by Sony's latest WDR Algorithm overcomes the previous edge-folded problem of the conventional WDR cameras.



Conventional WDR camera

650TVL WDR camera

Technology for 3DNR & HSBLC Portfolio

A. 3DNR(3D Noise reduction)

With 3D Noise Reduction(3DNR) embedded, it produces extremely clear picture quality even under low light condition for 24/7 surveillance.



Conventional camera

3DNR camera

B. HSBLC(Highlight Suppression BLC)



HSBLC Off

HSBLC On

It cuts off the strong lighting like the "headlight". According to user's adjustment, zones & sensitivity can be adjustable. In case of the car surveillance, it remarkably performs recognizing license plate or subject.

C. D-WDR(Digital Wide Dynamic Range)

• Color reproduction improvement

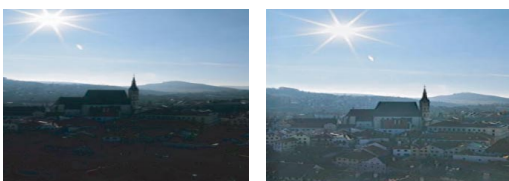
A low light area could be recognizable without Digital Wide Dynamic Range but it is impossible to capture a clear image without improving a color signal processing. Thanks to the improved color signal processing named as D-WDR, this series unveils the improved color reproduction.

• Clear-cut feature improvement

The technology makes the Dynamic Range enlarged by improving the contrast between low and high lighting areas and does the middle brightening area - the Dynamic Range cuts a loss - compensated by the clear-cut feature improvement.

• Contrast improvement

The contrast is improved by D-WDR Image Processing technology with analyzing the information of the brightness and mapping the different brightness.



D-WDR Off

D-WDR On

D. Wide range of Automatic White Balance (2,000° K ~ 20,000° K)

The Automatic White Balance provides an extensive range color temperature control that covers from 2,000°K to 20,000°K generating natural color image without being red or blue in varying light conditions.

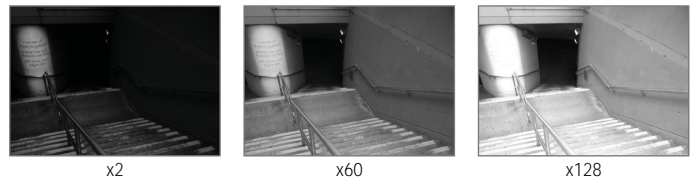


Bad WB

Good WB

E. Sens-up

The Sens-up function allows the camera can display the bright image even extreme darkness.



x2

x60

x128

Important Tips :

IR Distance can be extended twice longer when <Sens-up> is set x2 ~ x6.

Caution: When Sens-up is adjusted for more than 8 times (x8), the picture becomes brighter but the frame rate relatively gets slower resulting in the picture becomes slow motioned.

F. Camera ID setting

Users can use the camera identification (Camera ID) to assign a name of the camera.

The camera ID consists of up to 15 alphanumeric characters.

G. Digital Zoom (x1 ~ x32)

The screen can be digitally zoomed with provided OSD control.



x1

x16

x32

H. Privacy zone masking

When the unit is observing a wide area, the captured image can be masked for privacy purposes.

Users can easily configure the size and position of the required privacy zones.



Technology for Intelligent IR Control

Overview of IR camera technology

The lifespan of IR LEDs for CCTV cameras is the most critical point to care about. Generally the lifespan of IR LEDs is about 2 years (MTBF) but the conditions are significantly changed when they are enclosed in a CCTV camera case.

In order to maximize the brightness of LED, manufacturers try to put as many LEDs as possible in a small airtight case. This makes the temperature inside the camera heated up highly and causes the lifespan to be dropped seriously.

In order to maximize the lifespan of IR LED, Firstly, the power load to the LED should be minimized by lowering the power input to the IR Board. Even though it causes the IR LEDs looks less bright, it is effective to maintain the same brightness level much longer period. Accordingly, when selecting IR camera, important point to know is that the camera with maximized load on the IR LEDs may display more bright or longer IR distance at the first time but correlatively the lifespan of IR LEDs is destined to go dead much more quickly.

For an instance, there are two cameras with 50 pieces of IR LEDs built-in. The first one illuminates the distance in 50 Meters with maximum power load on the IR LEDs and the other does the distance in 30 Meters with IR protection supported. The former, 50M distance at the beginning, illuminates shorter and shorter and eventually be burned out, say after 2-3 months later. But on the other hand, the latter can maintain the first performance of 30 M distance even after long time passed. Therefore, at the time of buying IR CCTV Camera with a built-in IR illumination, it is essential to find carefully whether there is a proper safety device for the protection of the lifespan of LEDs.

Secondly, the camera should be equipped with a proper mechanism for absorbing heat emitted from IR LEDs. IR LEDs, a light emitting bulb, produce very high heat. The more quantities of IR LEDs & the more density of LEDs intervals within a limited space, the higher temperature gets. Furthermore, most of IR cameras are enclosed in outdoor weatherproof cases causing its inside temperature be accelerated higher. Visionhitech's IR cameras are designed with perfect heat diffusing mechanism so that the camera board and IR LEDs receive no stress out of overheating problem. Without this mechanism, the performance and lifespan of cameras declines conspicuously. In addition, Visionhitech developed its own IR protection circuit to protect IR LEDs from external over power input and applied it to all IR cameras.

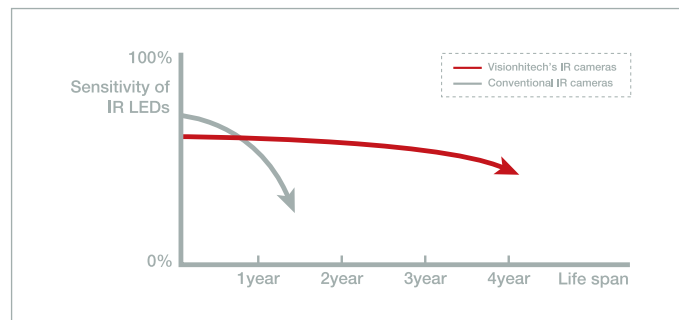
Core technologies to create a clear image quality from IR cameras

A. Extended IR LEDs' life cycle and sensitivity

Our special IR life protection technology extends the life cycle of IR LEDs at its maximum period of life span.

Conventional IR cameras tend to produce a bright IR image at the beginning but the LEDs' performance is reduced day by day and finally burned to dead in short time period after the installation.

Consequently the night vision performance of conventional cameras is seriously reduced within after several months of operation.

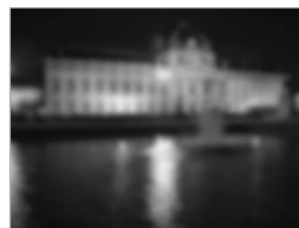


B. Powerful night sensitivity

This new night vision camera includes high impact infra-red LEDs, capturing a clear and very bright image at pitch black "0" Lux darkness.

C. Focus shift

Focus shift Focal distance between the Sunlight responded condition and Infra-red responded condition is different. When a normal lens is used for IR camera, the picture becomes out of focus at night by this reason. So the lens for the IR Camera should have a dual focus capability, with all glassed aspherical mechanism and with deep depth of field.



Focus Shifted



Focus Corrected

D. Intelligent IR response against IR saturation

When the objects come closer to the IR light shooting area, the objects become all WHITE, making the image totally unrecognizable in conventional IR cameras.

Visionhitech developed a special technology that analyzes the strength of light reflection of the objects and automatically adjusts the image quality clearly recognizable even when the objects get close to the IR shooting area.

It is a very important function in that the camera can identify the objects against a strong IR light reflection.



Conventional



Intelligent

Security Innovation

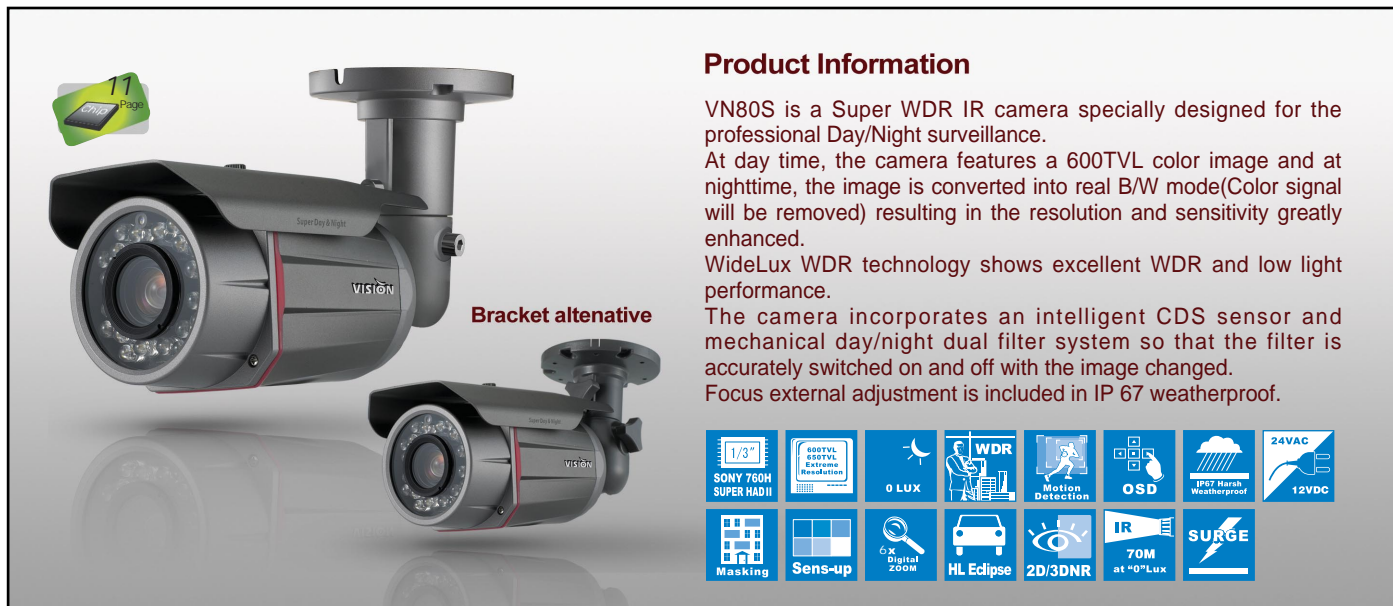
Perfect Day & Night Surveillance

ANALOG CAMERA



VN80S-VFA50

WideLux WDR Super Night Vision Outdoor Camera



Product Information

VN80S is a Super WDR IR camera specially designed for the professional Day/Night surveillance.

At day time, the camera features a 600TVL color image and at nighttime, the image is converted into real B/W mode(Color signal will be removed) resulting in the resolution and sensitivity greatly enhanced.

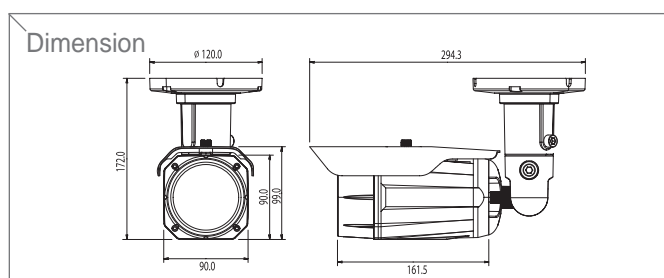
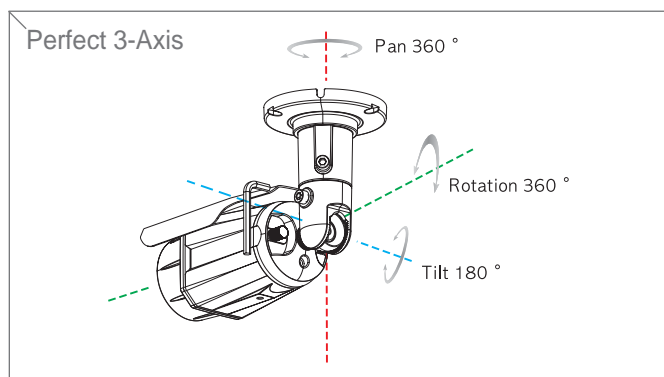
WideLux WDR technology shows excellent WDR and low light performance.

The camera incorporates an intelligent CDS sensor and mechanical day/night dual filter system so that the filter is accurately switched on and off with the image changed.

Focus external adjustment is included in IP 67 weatherproof.

Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- Easy-to-use OSD Functions
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 4~9mm/9~22mm/5~50mm DC IRIS Lens
- Powerful Night Sensitivity up to 70M
- Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- Highlight Eclipse
- Stabilizer (Compensates Camera Movement)
- IR Sensitive Mechanical Day/Night Filter System Built-in
- Motion Detection • RS-485 Interface(Pelco-D)
- Cable Concealed Thru Bracket
- Installation With Existing Telephone Cable Up To 100M Long
- Focus External Adjustment
- IP67 Weatherproof
- 12VDC/24VAC Non-polarity Power Input



MODEL	VN80S-VFA50
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0Lux
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC, 24VAC
Operating current	150mA /12VDC(IR off), 500mA /12VDC(IR on) 100mA /24VAC(IR off), 400mA /24VAC(IR on)
Lens	4~9mm/9~22mm/5~50mm VF Auto DC iris lens
IR Spectrum	850nm
Viewable Distance	Up to 70M at Moonless Night
MTBF of IR	20,000 hours
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	120(W) x 172(V) x 294.3(L)
Weight (Approx.g)	2,700
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)

VN70 II S-VFA50

WideLux WDR Super Night Vision Outdoor Camera



Product Information

VN70 II S is a super WDR IR camera specially designed for a professional Day/Night surveillance with 2D/3D adaptive noise reduction filter and built-in Highlight Edipse technology.

600TVL resolution in color mode shows world best technology. The resolution will be improved to 650TVL in B/W mode.

This unit features absolutely powerful night vision performance with Visionhitech's IR enhanced technology, viewable up to 50M at a total darkness and can see a clear image at least 2 times longer distance compared with conventional high quality Sony Ex-view cameras.

The unit passed IP67 test and guarantees moisture condensation free on the glass against any harsh weather condition.

Cable concealed through bracket and focus external adjustment make the maintenance user-friendly.



Key Features

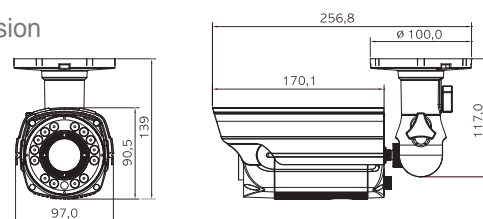
- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- Easy-to-use OSD Functions
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 2.8~12mm/4~9mm/9~22mm/5~50mm DC IRIS Lens
- Powerful Night Sensitivity up to 50M
- Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- IR Sensitive Mechanical Day/Night Filter System Built-in
- Motion Detection
- RS-485 Interface(Pelco-D)
- IP67 Weatherproof
- Cable Concealed Thru Bracket
- Focus External Adjustment
- 12VDC/24VAC Non-polarity Power Input

Zoom & Focus External adjustment



MODEL	VN70 II S-VFA50
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0Lux
Shutter Speed	NTSC :1/60~1/100,000 sec. PAL :1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto. ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	120mA /12VDC(IR Off), 520mA/12VDC(IR On) 90mA / 24VAC(IR Off), 400mA/24VAC(IR On)
Lens	2.8-12mm/4-9mm/9-22mm/5-50mm VF Auto DC iris lens
IR Spectrum	850nm
Viewable Distance	Up to 50M at Moonless Night
MTBF of IR	20,000 hours
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	97(W) x 90.5(V) x 256.8(L)
Weight (Approx.g)	2,200
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)

Dimension



Analog Camera

DVR

IP Camera

NVR

Accessories

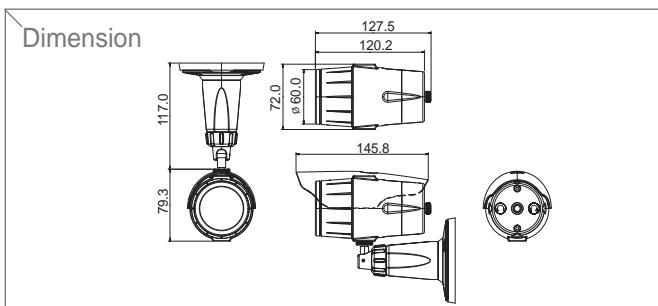
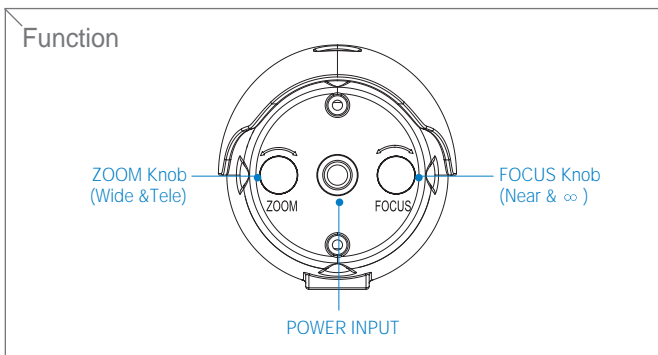


Product Information

VN60S is a fashionable true Day/Night IR camera with IP67 weatherproof design. Thanks to IR cut filter removable(ICR) mechanism and 850nm IR LED x20ea, the visible range is up to 20M at 0 Lux darkness and this unit precisely corrects the focus shift under IR illumination. VN60S shows excellent performance of sensitivity in low light conditions and enhances the resolution up to 650TVL. Built-in IR LED protection technology intelligently prevents IR LEDs from burning out and extends the performance of IR LEDs for extremely long time. User-friendly design used with Focus External Adjustment and 4pin Din waterproof connection makes this unit much more valuable. The unit passed IP67 test and guarantees moisture condensation-free on the glass in any harsh weather condition.

Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- External Cable Easy-to-use OSD Functions at RS-485(Pelco-D)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 4-9mm(9-22mm) Varifocal Lens
- Automatic IR On/Off
- Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- True Day&Night (ICR)
- Motion Detection
- RS-485 Interface(Pelco-D)
- Focus External Adjustment
- IP67 Weatherproof
- 12VDC



MODEL	VN60S-VFIR
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0Lux
Shutter Speed	NTSC : 1/60 - 1/100,000 sec. PAL: 1/50 - 1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC
Operating current	120mA at 12VDC (IR "Off" Day) 340mA at 12VDC (IR "On" Night)
Lens	4-9mm Varifocal Manual Iris Lens
Lens(Optional)	9-22mm Varifocal Manual Iris Lens
Viewable Distance	Up to 20M at Moonless Night
MTBF of IR	20,000 hours
Iris Control	Auto
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	60(D) x 127.5(L)
Weight (Approx.g)	960
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 - X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)



Product Information

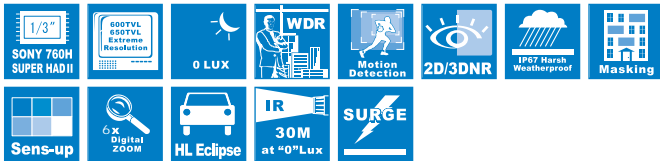
VN55S is a Super WDR Day/Night IR Camera suitable for both indoor and outdoor application with IP67 weatherproof design. With long range(850nm) infra-red LED x50ea, the unit can view up to 30M at 0 Lux darkness.

VN55S shows excellent performance of sensitivity in low light conditions and enhances the resolution up to 650TVL.

The model has a smart self-focus adjustment technology that precisely corrects the distorted focus under IR illumination.

Built-in IR LED protection technology intelligently prevents IR LEDs from burning out and extends the performance of IR LEDs for extremely long time.

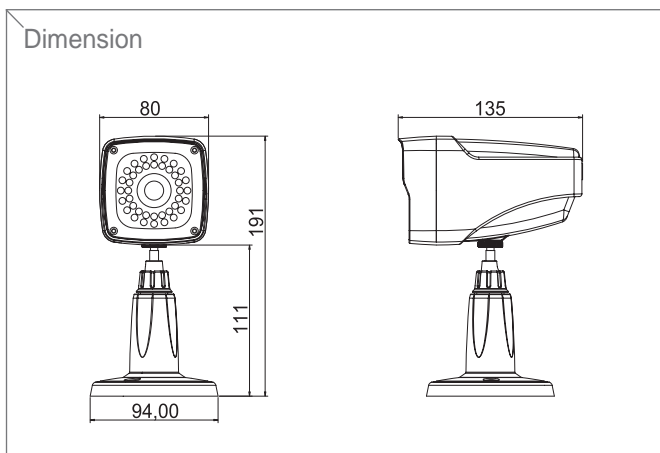
The unit passed IP67 test and guarantees moisture condensation-free on the glass in any harsh weather condition.



Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- External Cable Easy-to-use OSD Functions at RS-485(Pelco-D)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- Automatic IR On/Off
- Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- Motion Detection
- RS-485 Interface(Pelco-D)
- IP67 Weatherproof
- 12VDC

MODEL	VN55S
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0Lux
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC
Operating current	120mA (IR "Off" Day) 620mA (IR "On" Night)
Lens	3.6mm(92°)
Lens(Option)	4.3mm(78°), 6mm(54°), 8mm(39°)
Viewable Distance	Up to 30M at Moonless Night
MTBF of IR	20,000 hours
Iris Control	Auto
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	80(W) x 80(V) x 135(L)
Weight (Approx.g)	960 Incl. Bracket
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)



VDB105S-VFA50

WideLux WDR Vision Outdoor Dome Camera

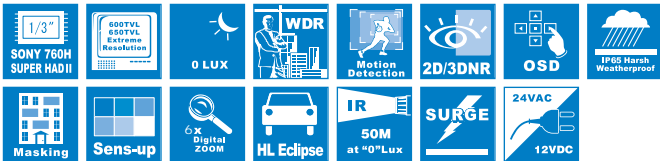


Product Information

VDB105S-VFA50 is an IR Dome camera with a cutting edge technology in flat glasses as well as dual glass to provide IR Reflection free. Basically, it is considered that Dome cameras with IR LED are inevitable to avoid IR reflection completely due to the mechanical limitation and, even if manufactures avoid the IR Reflection in the production, there is a possibility to have it during the installation. However, thanks to Focus External Adjustment mechanism, it is unnecessary to open the dome cover in all directional mounting.

Besides of IR Reflection free, this unit realizes Intelligent IR Control to avoid IR Over Saturation which is inevitable when objects get closer to the camera at nighttime.

This unit can be with a different range of varifocal lens as 2.8-12mm/5-50mm VF Auto DC Iris lens which is compatible with a variety of different angle range from wide to narrow by the request. One more reference is to adjust zoom and focus externally in IP65 Weatherproof condition.



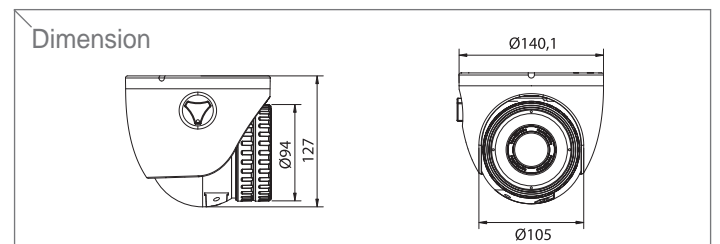
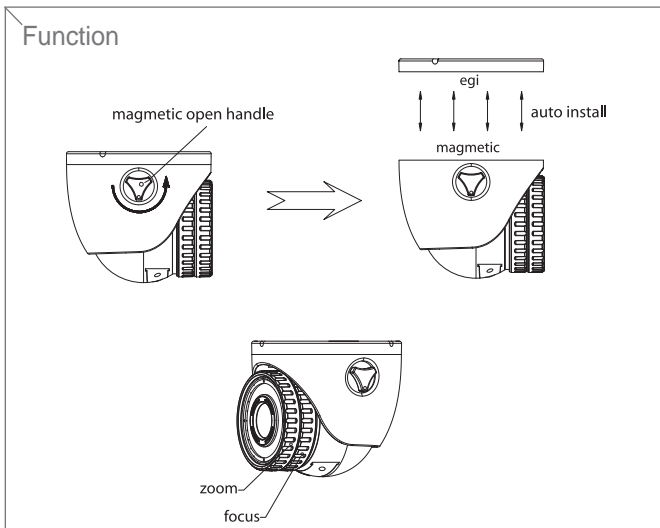
Key Features

Magnetic Control

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 2.8~12mm/5~50mm DC IRIS Lens
- Powerful Night Sensitivity up to 50M view
- Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- True Day&Night (ICR)
- Motion Detection
- RS-485 Interface(Pelco-D)
- Focus External Adjustment
- IP65 Weatherproof
- Easy-to-use OSD Functions
- 12VDC/24VAC Non-polarity Power Input

MODEL	VDB105S-VFA50
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0Lux
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	120mA/12VDC(IR Off), 520mA/12VDC(IR On) 90mA/24VAC(IR Off), 400mA/24VAC(IR On)
Lens	5~50mm VF Auto DC iris lens
Lens(Optional)	2.8~12mm VF Auto DC Iris Lens
Viewable Distance	Up to 50M at Moonless Night
MTBF of IR	20,000 hours
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	140(Ø) x 127(L)
Weight (Approx.g)	1,400

Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)

































Product Information

VDA110S is a vandalproof WDR dome camera specially designed for a professional Day/Night surveillance with 2D/3D adaptive noise reduction filter and built-in Highlight Eclipse technology.

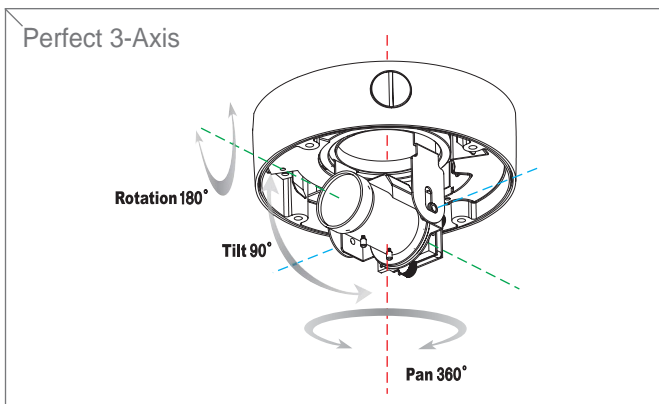
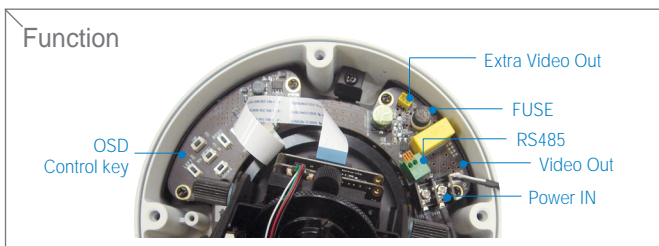
The camera shows high resolution of 600TVL to meet needs of high end specification.

The unique wide dynamic technology with smart & easy-to-use OSD settings provides users with the optimum solution for the best image quality at various situations.

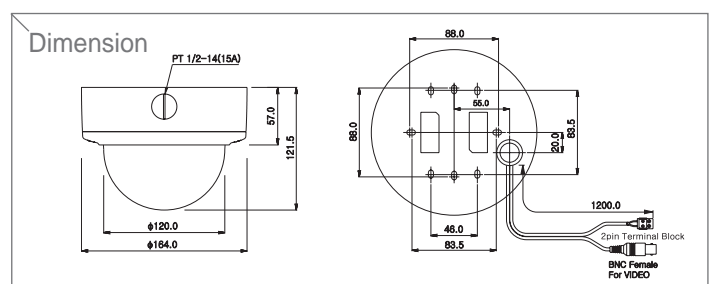
Specially designed power circuit enables the camera to operate from DC11V to DC40V and from AC15V to AC30V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation. It accepts either 12VDC power supply or 24VAC unit with non polarity input.

Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 2.8~12mm/7.5~50mm VF DC iris lens
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- IR Sensitive Mechanical Day/Night Filter System Built-in
- Motion Detection
- RS-485 Interface(Pelco-D)
- Tool-free 3-Axis mounting mechanism
- Dome bubble rotation
- Industrial standard mounting arrangement
- Additional service monitoring output
- Vandal-proof
- Easy-to-use OSD Functions
- IP66 Weatherproof
- 12VDC/24VAC Non-polarity Power Input



MODEL	VDA110S-VFAL12DN/VDA110S-VFAL50DN
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 90mA at 24VAC
Lens	2.8~12mm Varifocal Lens / 7.5~50mm Varifocal Lens
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	164(Ø)x 121.5(H)
Weight (Approx.g)	1,900
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 - X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)



VDA110S-VFAL12IR

WideLux WDR IR SuperDome Camera




 1/3" SONY 760H SUPER HAD II


 600TVL Extreme Resolution


 0 LUX


 WDR Motion Detection


 OSD


 2D/3DNR


 IP66 Harsh Weatherproof


 Masking


 DSS


 6x Digital Zoom


 HL Eclipse


 IR 30M at 0 Lux


 SURGE


 24VAC 12VDC

Product Information

VDA110S-IR is a vandalproof WDR dome camera with LED lamps specially designed for a professional Day/Night surveillance with 2D/3D adaptive noise reduction filter and built-in Highlight Eclipse technology.

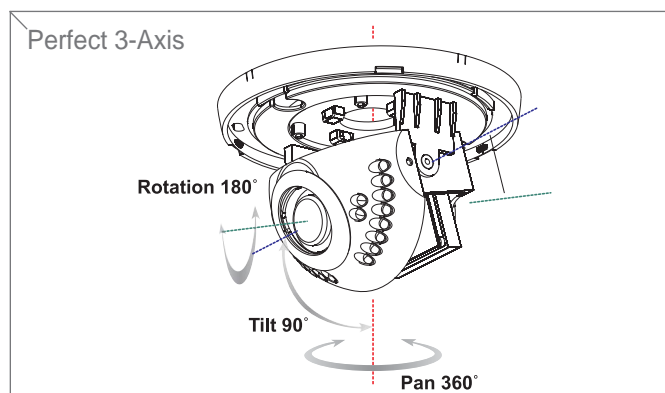
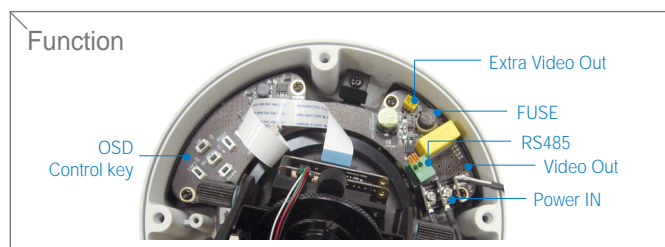
The camera shows high resolution of 600TVL to meet needs of high end specification.

The unique wide dynamic technology with smart & easy-to-use OSD settings provides users with the optimum solution for the best image quality at various situations.

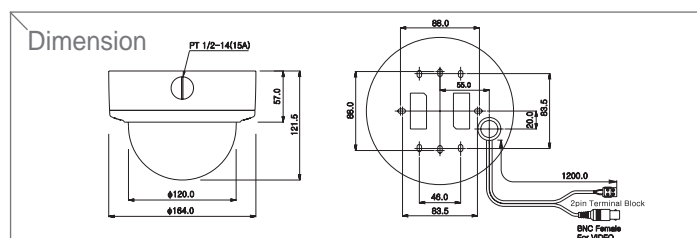
Incorporated 21ea x IR LEDs enable this unit to watch out up to 30M at total darkness. Specially designed power circuit enables the camera to operate from DC11V to DC40V and from AC15V to AC30V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation. It accepts either 12VDC power supply or 24VAC unit with non polarity input.

Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 2.8~12mm DC IRIS Lens
- Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- IR Sensitive Mechanical Day/Night Filter System Built-in
- Motion Detection • RS-485 Interface(Pelco-D)
- IP66 Weatherproof
- Tool-free 3-Axis mounting mechanism
- Dome bubble rotation
- Industrial standard mounting arrangement
- Additional service monitoring output
- Vandal-proof
- Easy-to-use OSD Functions
- 12VDC/24VAC Non-polarity Power Input



MODEL	VDA110S-VFAL12IR
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0Lux
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800 °K ~ 11,000 °K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA/12VDC(IR Off), 470mA/12VDC(IR On) 90mA/24VAC(IR Off), 240mA/24VAC(IR On)
Lens	2.8~12mm VF Auto DC iris lens
Viewable Distance	Up to 30M at Moonless Night
MTBF of IR	20,000 hours
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	164(Ø)x 121.5(H)
Weight (Approx.g)	2,000
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)



VDA140S-VFA12DN

WideLux WDR Ture DN Vandalproof Dome Camera

Analog Camera

DVR

IP Camera

NVR

Accessories



Product Information

VDA140S is a stylish new vandalproof WDR dome camera specially designed for a professional Day/Night surveillance with 2D/3D adaptive noise reduction filter and Highlight Eclipse technology built-in.

The camera shows high resolution of 600TVL to meet needs of high end specification.

The camera set without the base can be used as a flush mount application so that installers do not need to stock a typical Flush mount camera. The camera ball is fixed with a permanent magnetic with no screw required.

The ball is stick to the camera body strong enough with a permanent magnetic Zoom & Focus external adjustment and extra video output represents Easy-to-Use.

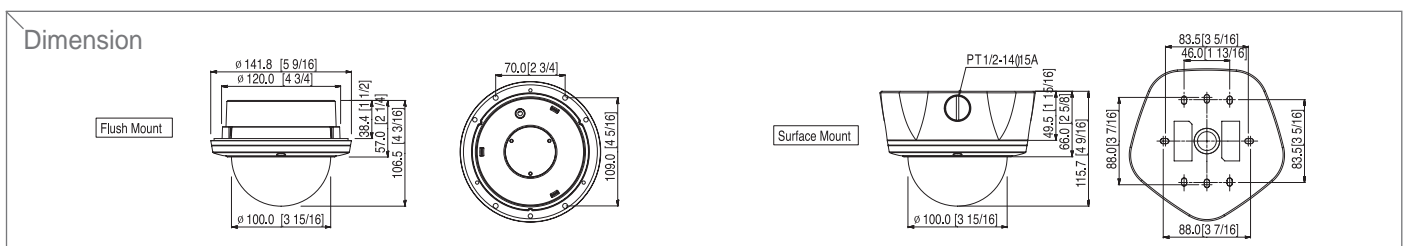
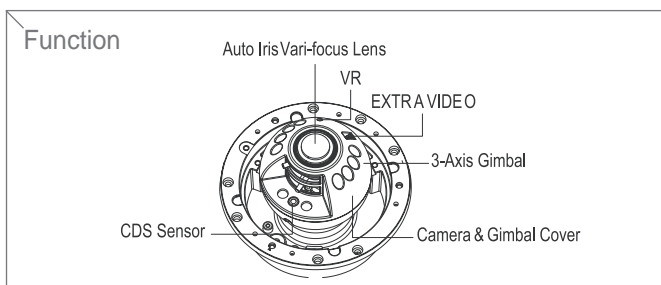


Key Features

Magnetic

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 3.3~12mm DC IRIS Lens
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- True Day&Night (ICR)
- Motion Detection
- Surface/Flush mount Compatible
- Tool-free 3-Axis mechanism
- Additional service monitoring output
- Easy-to-use OSD Functions(Remote Control Built-in)
- RS-485 Interface(pelco-D)
- Vandal-proof
- IP66 Weatherproof
- 12VDC/24VAC Non-polarity Power Input

MODEL	VDA140S-VFA12DN
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 90mA at 24VAC
Lens	3.3~12mm Varifocal Lens
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	150(Ø)x 115.7(H)
Weight (Approx.g)	1,900
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 - X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)



VDA140S-VFA12IR

WideLux WDR IR Vandalproof Dome Camera



Product Information

VDA140S-IR is a stylish new vandalproof WDR dome camera specially designed for a professional Day/Night surveillance with 2D/3D adaptive noise reduction filter and Highlight Eclipse technology built-in.

The camera shows high resolution of 600TVL to meet needs of high end specification.

The camera set without the base can be used as flush mount application so that installers do not need to stock a typical flush mount camera. The camera ball is fixed with a permanent magnetic with no screw required.

The ball is stick to the camera body strong enough with a permanent magnetic Zoom & Focus external adjustment and extra video output represents Easy-to-Use. With the built-in high power night vision technology, it is very much suitable for viewing areas where no lights exist at night.

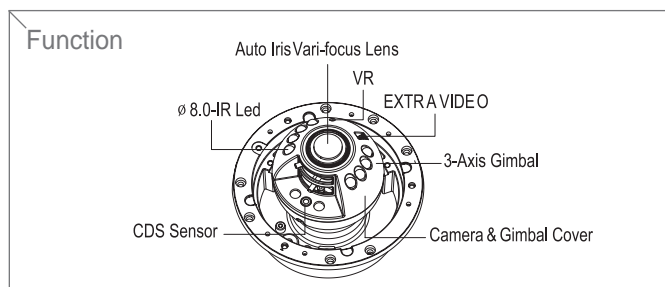


Key Features

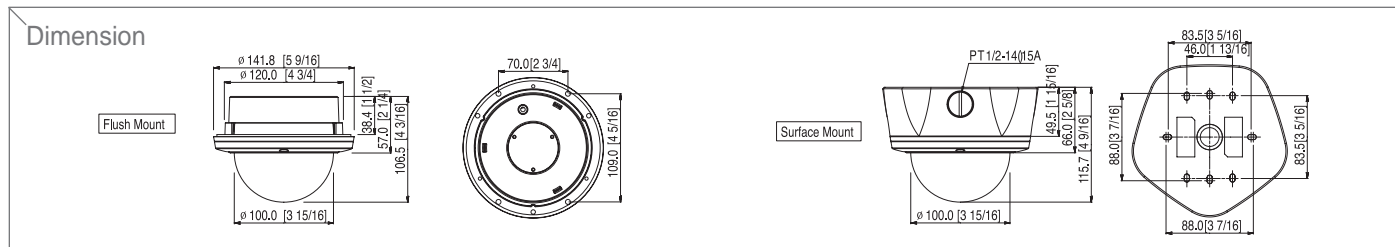
Magnetic

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 3.3~12mm DC IRIS Lens • Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- True Day&Night (ICR) • Motion Detection
- RS-485 Interface(Pelco-D)
- Easy-to-use OSD Functions(Remote Control Built-in)
- Surface/Flush mount Compatible
- Tool-free 3-Axis mechanism
- Additional service monitoring output • Vandal-proof
- IP66 Weatherproof
- 12VDC/24VAC Non-polarity Power Input

MODEL	VDA140S-VFA12IR
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0Lux
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800 °K ~ 11,000 °K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA /12VDC(IR Off), 400mA/12VDC(IR On) 90mA /24VAC(IR Off), 190mA/24VAC(IR On)
Lens	3.3~12mm Varifocal Lens
Viewable Distance	Up to 20M at Moonless Night
MTBF of IR	20,000 hours
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	150(Ø) x 115.7(H)
Weight (Approx.g)	2,000



Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)



VDS120S-VFA12DN

WideLux WDR Ultra-Slim Dome Camera

Analog Camera

DVR

IP Camera

NVR

Accessories



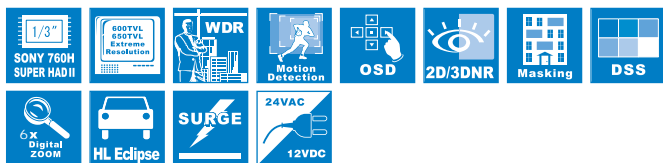
Product Information

VDS120S is a slim-indoor dome camera specially designed for a professional Day/Night surveillance with 2D/3D adaptive noise reduction filter and Highlight Eclipse technology built-in.

The camera shows high resolution of 600TVL to meet needs of high end specification.

The technical breakthrough, VDS120S provides super WDR performance distinguished from existing product. It is totally improved technology solved the problem which cannot discern objects with strong backlight.

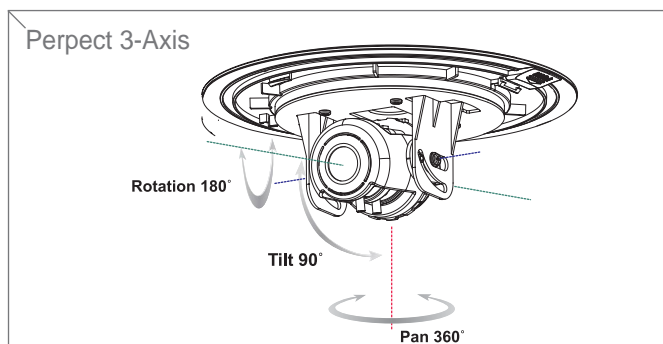
VDS120S delivers a very high quality, high resolution and very accurate & detailed color recognition in a variety of light conditions. This unit is an Ultra-Slim dome camera containing a lot of user-friendly mechanism and configuration. It incorporates a perfect and tool-free 3-Axis mount with which the camera can be installed on the wall, on the ceiling or on the slope with no limitation.



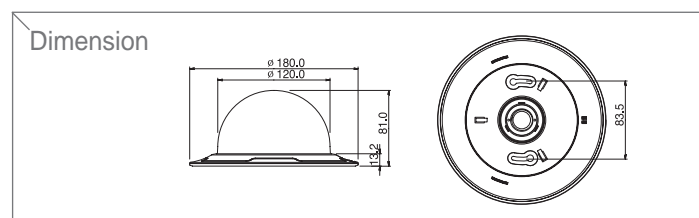
Key Features

Ultra Slim

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 3.3~12mm DC IRIS Lens
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- True Day&Night (ICR)
- Motion Detection
- RS-485 Interface(Pelco-D)
- Tool-free 3-Axis mechanism
- Additional service monitoring output
- Easy-to-use OSD Functions
- 12VDC/24VAC Non-polarity Power Input



MODEL	VDS120S-VFA12DN
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 90mA at 24VAC
Lens	3.3~12mm Varifocal Lens
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	180(Ø) x 81(H)
Weight (Approx.g)	950
Function	
WDR	Off / On (User selectable by OSD)
3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 - X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)



VDA111S-VFA12DN

WideLux WDR Ultra-Slim Outdoor Dome Camera



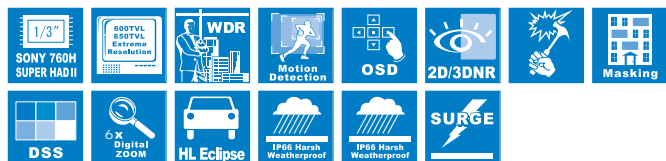
Product Information

VDA111S is a slim-outdoor dome camera specially designed for a professional Day/Night surveillance with 2D/3D adaptive noise reduction filter and Highlight Eclipse technology built-in.

The camera shows high resolution of 600TVL to meet needs of high end specification.

The technical breakthrough, VDA111S provides super WDR performance distinguished from existing product. It is totally improved technology solved the problem which cannot discern objects with strong backlight.

VDA111S delivers a very high quality, high resolution and very accurate & detailed color recognition in a variety of light conditions. This unit is an Ultra-Slim dome camera containing a lot of user-friendly mechanism and configuration. It incorporates a perfect and tool-free 3-Axis mount with which the camera can be installed on the wall, on the ceiling or on the slope with no limitation.

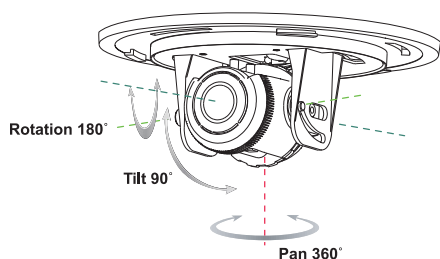


Key Features

Ultra Slim

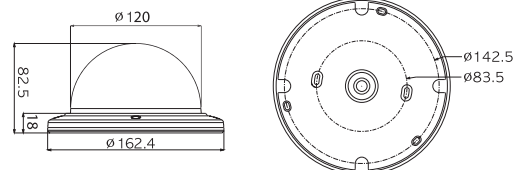
- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 3.3~12mm DC IRIS Lens
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- True Day&Night (ICR)
- Motion Detection
- RS-485 Interface(Pelco-D)
- Tool-free 3-Axis mechanism
- Additional service monitoring output
- Vandalproof
- Easy-to-use OSD Functions
- 12VDC/24VAC Non-polarity Power Input

Perfect 3-Axis



MODEL	VDA111S-VFA12DN
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 90mA at 24VAC
Lens	3.3~12mm Varifocal Lens
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	162.4(Ø) x 82.5(H)
Weight (Approx.g)	1,300
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)

Dimension



VD101S-VFAL12DN

WideLux WDR Indoor Dome Camera

Analog Camera

DVR

IP Camera

NVR

Accessories



Product Information

VD101S-VFA12DN is New WDR/DNR Indoor Dome Camera for high resolution of 600TVL.

WideLux WDR Technology realizes the high resolution of 600TVL and offers world's best WDR performance with a single scan CCD.

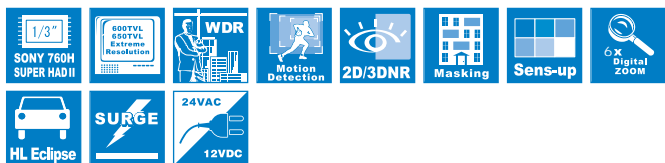
The image gives a perfect color in daytime and automatically changes into noiseless B/W image at nighttime making the picture quality the best and ever clear for low light circumstances.

The unit supports user-friendly OSD with an improved function controls and ease of operation.

3-Axis structure combined with tilt down 90 degree surveillance provides a useful way of installation mountable to any place.

It accepts either 12VDC power supply or 24VAC unit with non polarity input.

Technology refers to page 12.

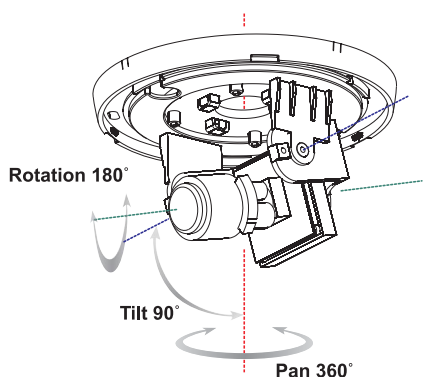


Key Features

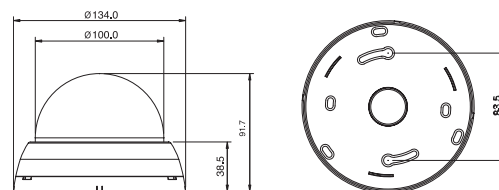
- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 2.8~12mm DC IRIS Lens
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- Motion Detection
- RS-485 Interface(Pelco-D)
- Tool-free 3-Axis mechanism
- Additional service monitoring output
- Easy-to-use OSD Functions
- 12VDC/24VAC Non-polarity Power Input

MODEL	VD101S-VFAL12DN
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 90mA at 24VAC
Lens	2.8~12mm Varifocal Lens
Lens Option	2.9 / 3.6 / 4.3 / 6 / 8 / 12 / 16mm
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	134(Ø) x 91.7(H)
Weight (Approx.g)	500
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)

Perfect 3-Axis



Dimension



VD101S-VFAL12IR

WideLux WDR Indoor IR Dome Camera



Product Information

VD101S-VFA12IR is New WDR Indoor Dome Camera for high resolution of 600TVL.

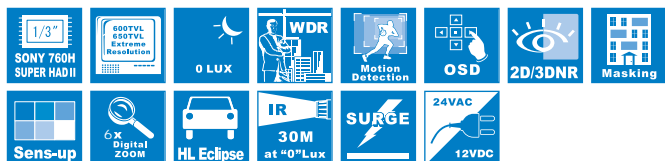
WideLux WDR Technology realizes the high resolution of 600TVL and offers world's best WDR performance with a single scan CCD.

The camera incorporates an intelligent CDS sensor and mechanical day&night dual filter system so that the filter accurately switched on and off with the image change from Color to B/W to Color mode by OSD.

Multi-lingual OSD menu settings, RS-485 communication, Motion Detection & Privacy Masking are basically supported. They grade up the surveillances efficiently.

3-Axis structure combined with tilt down 90 degree surveillance provides a useful way of installation mountable to any place.

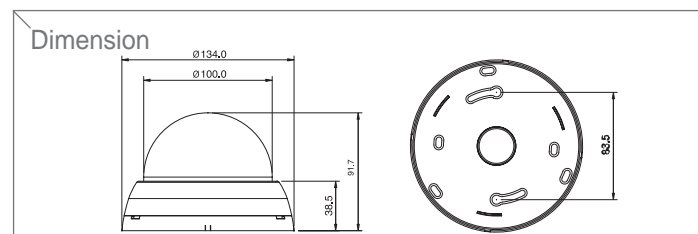
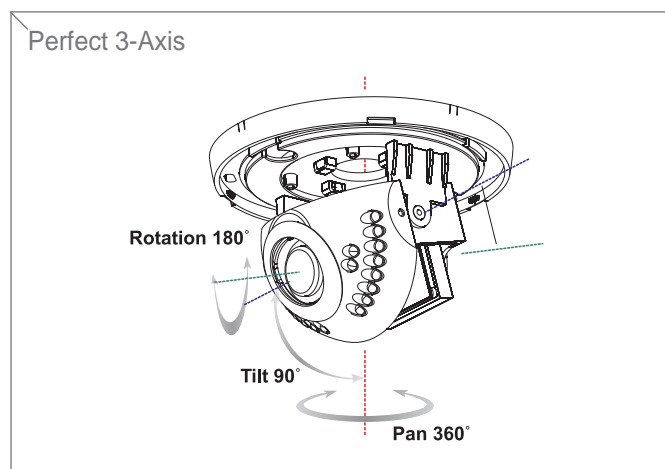
It accepts either 12VDC power supply or 24VAC unit with non polarity input.



Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 2.8~12mm DC IRIS Lens
- Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- True Day&Night (ICR)
- Motion Detection
- RS-485(Pelco-D)
- Tool-free 3-Axis mechanism
- Additional service monitoring output
- Easy-to-use OSD Functions(Remote Control Built-in)
- 12VDC/24VAC Non-polarity Power Input

MODEL	VD101S-VFAL12IR
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0Lux
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA / 12VDC(IR Off), 420mA/12VDC(IR On) 90mA / 24VAC(IR Off), 180mA/24VAC(IR On)
Lens	2.8-12mm Varifocal Lens
Viewable Distance	Up to 30M at Moonless Night
MTBF of IR	20,000 hours
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	134(Ø) x 91.7(H)
Weight (Approx.g)	520
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)





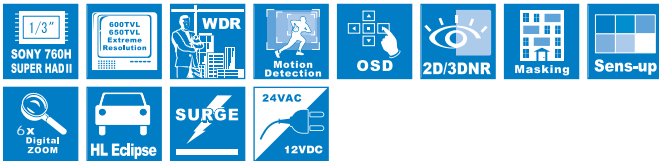
Product Information

VD120S-VFAL12DN is New WDR Dome Camera for high resolution of 600TVL.

WideLux WDR Technology realizes the high resolution of 600TVL and offers world's best WDR performance with a single scan CCD.

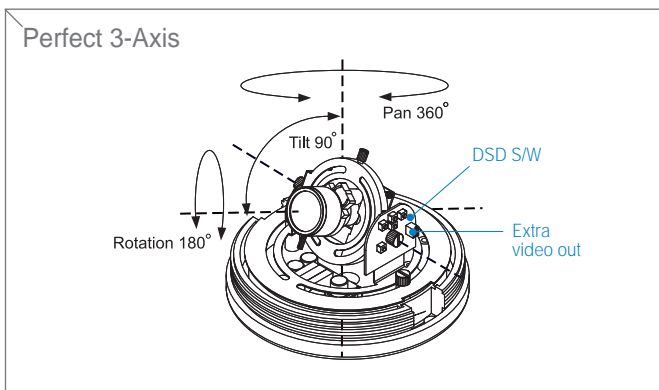
The unit supports user-friendly on-screen display(OSD) with an improved function controls and ease of operation.

3-Axis structure combined with tilt-down 90 degree surveillance provides a useful way of installation mountable to any place. It accepts either 12VDC power supply or 24VAC unit with non polarity input.



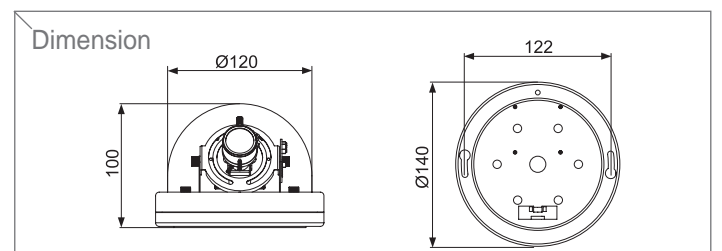
Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 3.3~12mm DC IRIS Lens
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- Motion Detection
- 3-Axis mechanism
- Additional service monitoring output
- Easy-to-use OSD Functions
- 12VDC/24VAC Non-polarity Power Input



MODEL	VD120S-VFAL12DN
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 90mA at 24VAC
Lens	3.3~12mm VF Auto DC Iris lens
Lens Option	2.6~6mm / 2.8~12mm / 4~9mm / 9~22mm
Iris Control	DC IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	140(Ø) x 100(H)
Weight (Approx.g)	670

Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)



VD70S

WideLux WDR Mini Armor Dome Camera



VD70S-S29W



VD70S-S29B(Wall mount)



VD70S-F29S



VD70S-F29B

Product Information

Reproducing a true coloration which is close to the performance of human eye adds its value to maximum. Our own WDR technology enables a camera with a conventional CCD to deliver an extremely clear vision in any light conditions.

The Crystal clear Dome window is made of polycarbonate to protect the camera from any violent attack on it.

This unit looks so elegant as much as the camera quality stands for. The unique face aims to best fit to the environment decorative to any place. It lasts its beautiful shape long time with scratch-free coating.

An eye ball is located for all directional mount and users can assemble and disassemble this unit with ease by the scientific mechanism of the design.

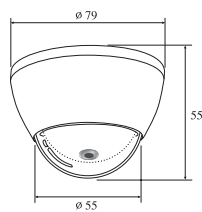


Key Features

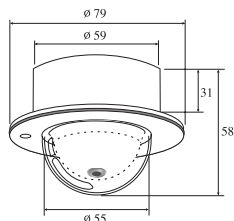
- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- Motion Detection
- RS-485 Interface (pelco-D)
- Covert Micro Compact Size Dome
- Anti-vandal Camera Body and Dome Cover
- Beautiful Design!
- 12VDC

MODEL	VD70S
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC
Operating current	120mA
Lens	2.9mm(120°)
Lens Option	3.6mm(92°), 4.3mm(78°), 6mm(54°)
Iris Control	Auto
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	Surface Mount : 79(Ø) x 55(H) Flush Mount : 79(Ø) x 58(H)
Weight (Approx.g)	300
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)

Dimension



VD70S-S29



VD70S-F29



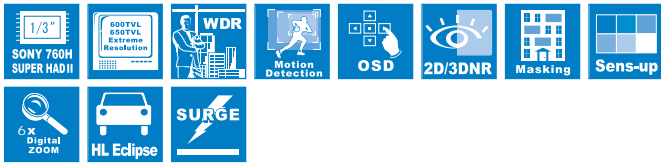
Product Information

VC56S is a WideLux WDR Box camera with high resolution of 600TVL and offers world's best WDR performance with a single scan CCD.

Highlight Eclipse makes the selected highlights masked and the dark brightened simultaneously to capture the numbers on the License Plate clearly at nighttime.

Multi-lingual OSD menu settings, RS-485 communication, Motion Detection & Privacy Masking are basically supported. They grade up the surveillances efficiently.

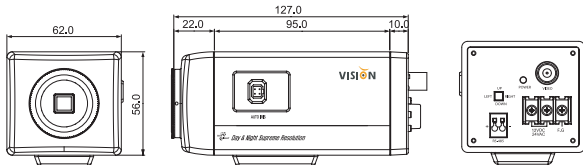
Easy-to-use OSD control provides users with the optimum solution for the best image quality at various conditions.



Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- Easy-to-use OSD Functions
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- Motion Detection
- RS-485 Interface(Pelco-D)
- Power option : 12VDC, 12VDC/24VAC

Dimension



12VDC or 12VDC/24VAC

MODEL	VC56S
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 90mA at 24VAC
Iris Control	DC/MANUAL
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	62(W) x 56(V) x 127(L)
Weight (Approx.g)	510

Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Digital Slow Shutter	Off / 2x ~ 512x (DSS)
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)

VC58S

WideLux WDR Box Camera



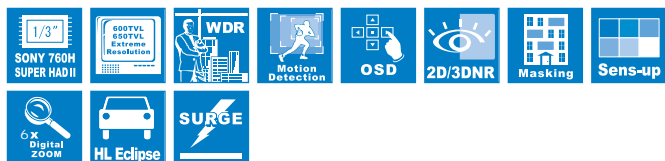
Product Information

Specially designed box camera is unveiled with intelligent CDS sensor built-in and mechanical day/night dual filter system. This mechanism is automatically switched from Color to B/W and vice versa in Filter Delay time setting by OSD.

Thanks to this mechanism, VC58S reproduces True Color image of 600TVL at daytime and Noiseless B/W image of 650TVL at nighttime.

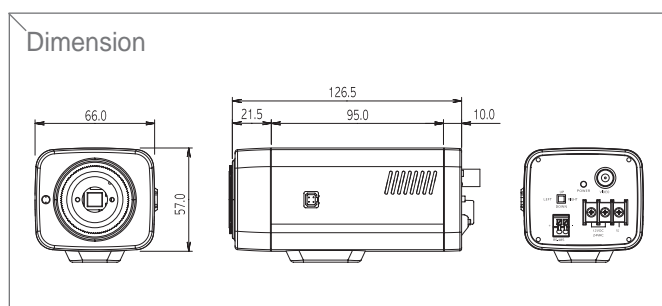
Remarkable WDR is constituted by a single scan CCD so that this unit offers 2 times brighter surveillance circumstance than current WDR cameras in the market. Unlike other solutions, there is no compensation for the low light performance in the course of the double scan.

Other references are represented by 2D/3DNR, Anti Color Rolling technology and Easy-to-use OSD control. Power option is composed of 12VDC, 12VDC/24VAC and 230VAC.

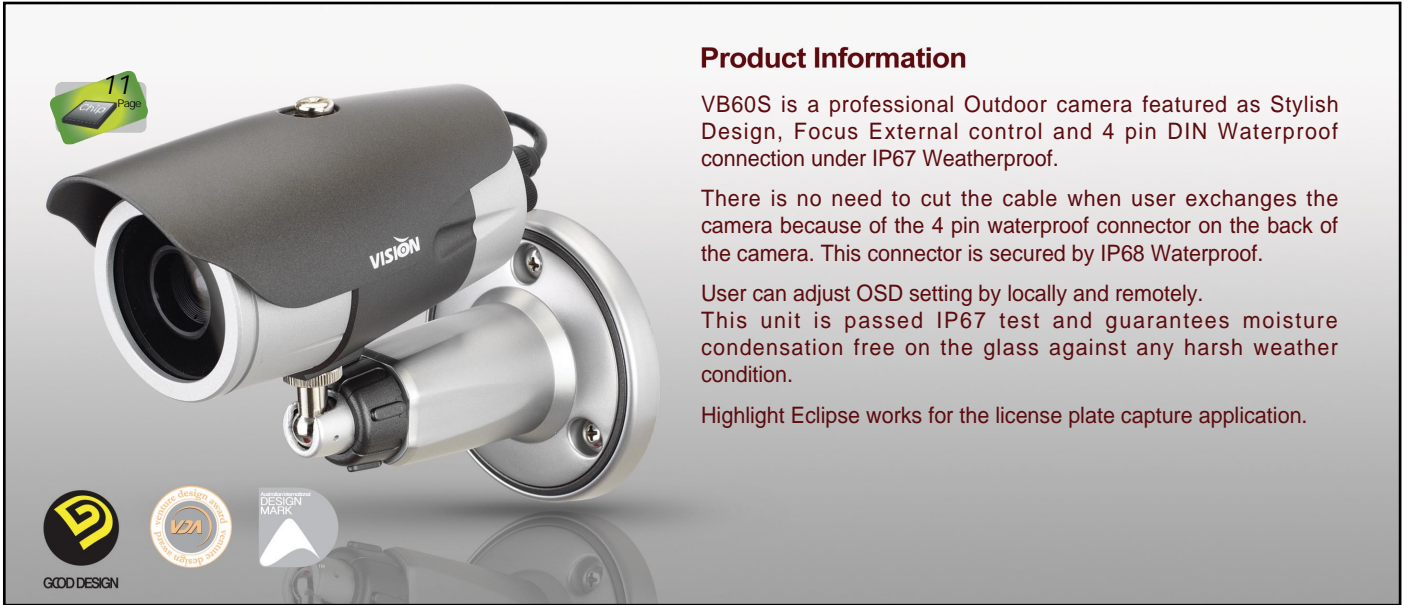


Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- IR Sensitive Mechanical Day & Night Filter System built-in
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- Motion Detection
- RS-485 Interface(Pelco-D)
- Easy-to-use OSD Functions
- Power option : 12VDC, 12VDC/24VAC, 230VAC



MODEL	VC58S
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 90mA at 24VAC 20mA at 230VAC
Iris Control	DC/MANUAL
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	66(W) x 57(V) x 126.5(L)
Weight (Approx.g)	550
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Digital Slow Shutter	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)



Product Information

VB60S is a professional Outdoor camera featured as Stylish Design, Focus External control and 4 pin DIN Waterproof connection under IP67 Weatherproof.

There is no need to cut the cable when user exchanges the camera because of the 4 pin waterproof connector on the back of the camera. This connector is secured by IP68 Waterproof.

User can adjust OSD setting by locally and remotely. This unit is passed IP67 test and guarantees moisture condensation free on the glass against any harsh weather condition.

Highlight Eclipse works for the license plate capture application.

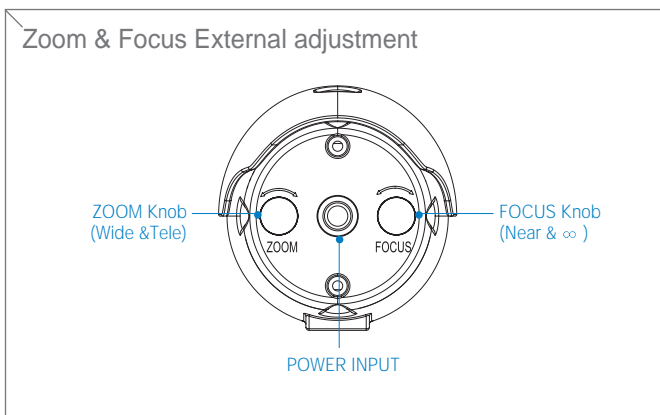


Key Features

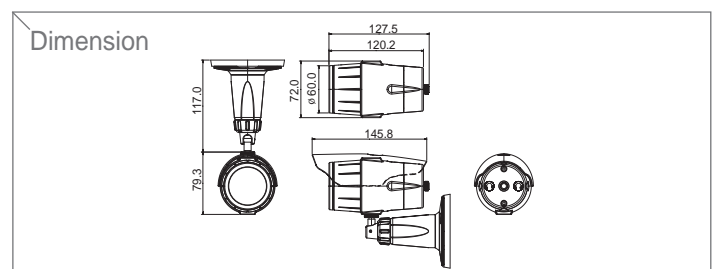
- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 4~ 9mm(9 ~ 22mm) Varifocal Lens
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- Motion Detection
- RS-485 Interface(Pelco-D)
- Focus External Adjustment
- IP67 Weatherproof
- 12VDC

Focus External Adjustment

Moisture condensation and bad workmanship sometimes occur in the course of opening the housing to adjust focus. Our advanced external adjustment mechanism makes no reason to open the case and guarantees no possibility of condensation.



MODEL	VB60S-VF
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC
Operating current	120mA
Lens	4~9mm Varifocal Lens
Lens(Optional)	9~22mm Varifocal Lens
Iris Control	Auto
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	60(D) x 127.5(L)
Weight (Approx.g)	930
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x (DSS)
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)





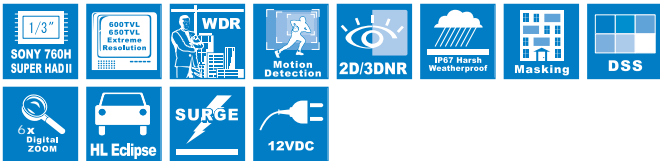
Product Information

VB30S-VF is a highly intensified WDR Bullet camera integrating professional features for high-end security application. Day & Night feature switches the image from Color to B/W and vice versa and contributes this unit to increase horizontal resolution up to 650TVL at nighttime.

3.5-16mm lens with 30mm diameter guarantees a compact design and its F-Stop is at 1.2.

This unit is fully weatherproof rated as IP67 under Focus External Adjustment so that user doesn't need to open the camera housing at the site.

Under remarkable WDR performance, compact size, strong metal structure and easy solution for installation, this unit outperforms conventional heavily mechanized big cameras.

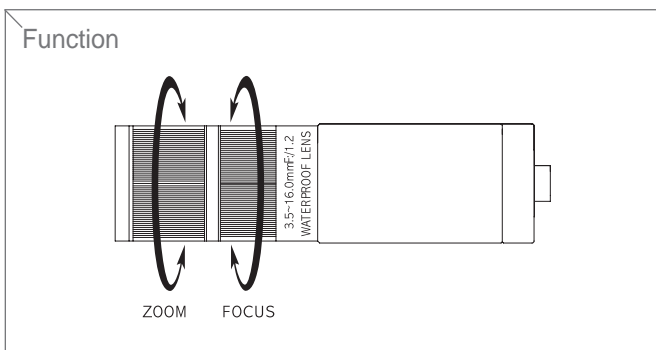


Key Features

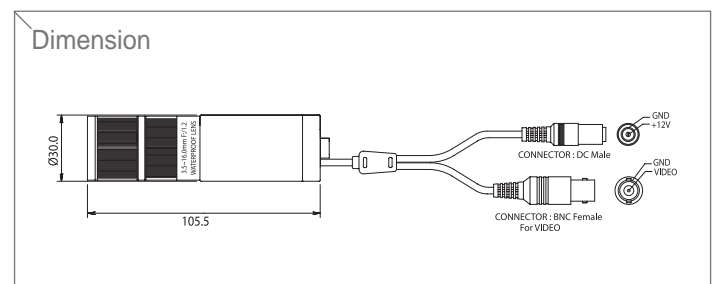
- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 3.5~ 16mm Varifocal Lens
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- Motion Detection
- RS-485 Interface(Pelco-D)
- IP67 Weatherproof
- Focus External Adjustment
- 12VDC

Focus External Adjustment

Moisture condensation and bad workmanship sometimes occur in the course of opening the housing to adjust focus. Our advanced external adjustment mechanism makes no reason to open the case and guarantees no possibility of condensation.



MODEL	VB30S-VF
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800 °K ~ 11,000 °K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC
Operating current	120mA
Lens	3.5 - 16mm Varifocal Lens
Iris Control	Auto
Operating temp./Humidity	-10°C ~ 50 °C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	30(Ø) x 105.5(L)
Weight (Approx.g)	250
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x (DSS)
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)



VB21S/VB25S/VS27S

WideLux WDR Bullet Camera

Analog Camera

DVR

IP Camera

NVR

Accessories

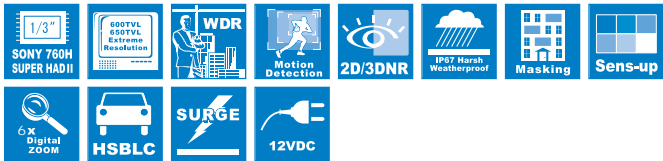


Product Information

This unit is the world's first high performance Color camera in a bullet style with Super WDR and 2D/3DNR. It is highly recommended for a special requirement where it needs more precise, brighter and higher resolution for sport use and to replace with a high performance big cameras.

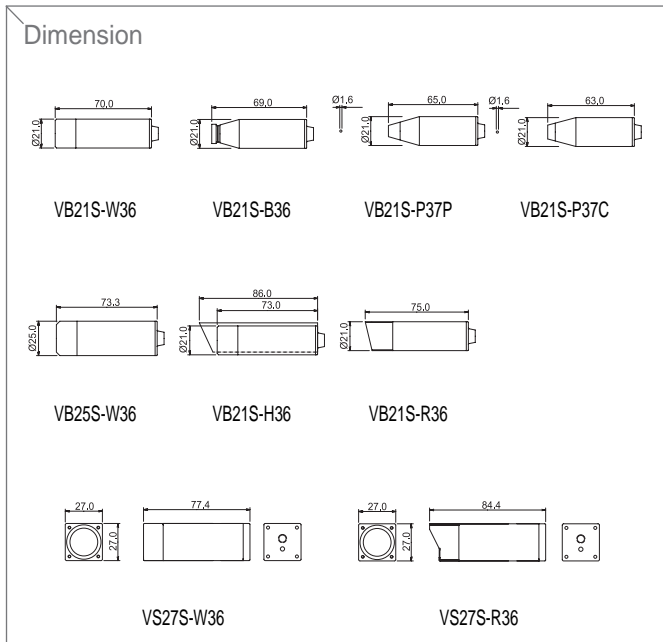
The smart idea with user-friendly housing mechanism makes this unit possible to adapt a wide range of different focal lens. User can exchange the lens with no special skill, very easily without changing the camera in order to fix the exact angle of view and suitable focal distance.

Universal type of mounting structure plus user friendly developed camera design provides a useful way of installation mountable to any place providing adjustable 360 degree of camera angle without permitting any invisible position.



Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- Motion Detection
- RS-485 Interface(Pelco-D)
- IP67 Weatherproof
- Super Miniature Size
- Reverse Polarity Input Protection Circuit built-in
- 12VDC



MODEL	VB21S/VB25S/VS27S
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC
Operating current	120mA
MTBF	80,000 hours
Lens	Board lens : 3.6mm(92°) Board lens option : 2.5mm(145°), 2.9mm(120°), 4.3mm(78°), 6.0mm(54°), 8mm(39°) 12.0mm(26°), 16mm(19°) Pinhole Lens Option Peak Cone : 2.8mm(130°), 3.7mm(90°), 5.0mm(78°) Semi Cone : 2.8mm(130°), 3.7mm(90°), 5.0mm(78°)
Iris Control	Auto
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	Refer to dimensions
Weight (Approx.g)	180 / 200 / 240
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)

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Page



VQ33S-W36



VQ33S-VF



VQ33S-B36



VQ33S-P37P



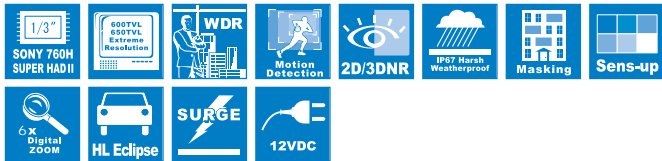
VQ33S-P37C

Product Information

VQ33S is WideLux WDR Miniature camera with high resolution of 600TVL and offers world's best WDR performance with a single scan CCD.

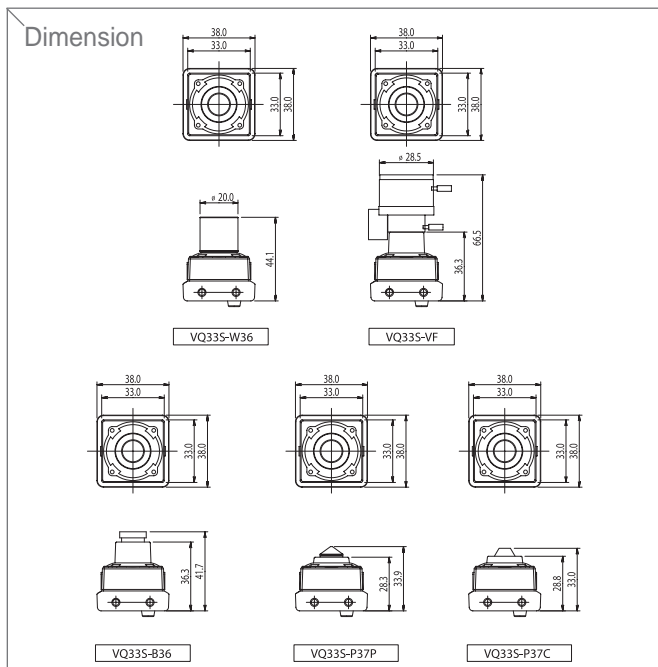
Our fine craftsmanship reaches not only to the picture quality and compact size but also to the products Good Design. The unit is supported with a variety of optical solutions in order to cover a dynamic range of applications with a different viewable distance.

This is critical for the reliability as this unit produces less heat and protects it from damage against bad power supply or fluctuating AC power input. Universal type of mounting structure provides a useful way of installation.



Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 600TVL at Day / 650TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- Motion Detection
- RS-485 Interface(Pelco-D)
- IP67 Weatherproof
- Reverse Polarity Input Protection Circuit built-in
- 12VDC



MODEL	VQ33S
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC
Operating current	120mA
MTBF	80,000 hours
Lens	Board lens : 3.6mm(92°) Board lens option : 2.5mm(145°), 2.9mm(120°), 4.3mm(78°), 6.0mm(54°), 8mm(39°) 12.0mm(26°), 16mm(19°) Pinhole Lens Option Peak Cone : 2.8mm(130°), 3.7mm(90°), 5.0mm(78°) Semi Cone : 2.8mm(130°), 3.7mm(90°), 5.0mm(78°) Varifocal Lens Option 2.6~6mm/2.8~12mm/3.3~12mm/4~9mm/9~22mm VF lens
Iris Control	Auto
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	Refer to dimensions
Weight (Approx.g)	150
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)

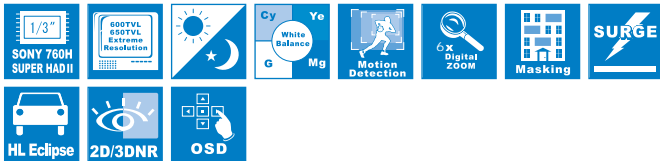


Product Information

WideLux WDR Technology is achieved in board cameras in the dimensions of 32 x 32mm, 38 x 38mm and 42 x 42mm and the key feature is to reproduce True Color 600TVL and noiseless B/W 650TVL picture built in IR Sensitive Mechanical Day and Night Filter System.

The model can be with a different angle range of Monofocal Board lens, Pinhole lens and 2.6-6mm, 2.8-12mm, 4-9mm, 9-22mm, 5-50mm VF Manual or Auto DC Iris lens.

Customized design can be supported and user can enjoy Super High Resolution, Remarkable WDR Performance, Super Low Light Performance, 2D/3D Noise Reduction, Sens-up, Anti Color Rolling, Highlight Eclipse, RS-485 Interface and Intelligent IR Control in the request.

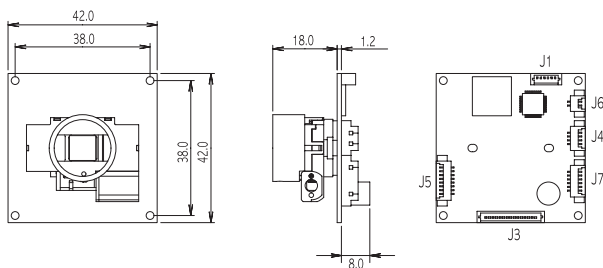


Key Features

- 1/3" Sony Super HAD CCD II
- Super Wide Dynamic (sWDR)
- High Resolution of 560TVL at Day / 600TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 2.6~6mm/2.8~12mm/4~9mm/9~22mm/5~50mm Varifocal Lens
- Intelligent IR Control
- Highlight Eclipse
- Stabilizer(Compensates Camera Movement)
- IR Sensitive Mechanical Day/Night Filter System Built-in
- Motion Detection
- RS-485 Interface(Pelco-D)
- 12VDC

MODEL	VM42S/VM38S/VM32S
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	600 TV Lines(Day) / 650 TV Lines(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0.1Lux at F1.2(Sens-up Off), 0.0001Lux at F1.2(Sens-up, x 512)
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma=0.45$
White Balance	1,800°K ~ 11,000°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 34dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC
Operating current	120mA
MTBF	80,000 hours
Lens	Board lens : 3.6mm(92°) Board lens option : 2.5mm(145°), 2.9mm(120°), 4.3mm(78°), 6.0mm(54°), 8mm(39°) 12.0mm(26°), 16mm(19°) Varifocal Auto Iris Lens Option : 2.6~6mm/2.8~12mm/4~9mm/9~22mm/5~50mm Varifocal Lens
Iris Control	DC IRIS / Manual IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	Refer to dimensions
Weight (Approx.g)	40
Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 512x (DSS)
Motion Detection	On/Off (8 Zone setting available)
Digital Zoom	Off, X1 ~ X6
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mask	Off / On (8 Zone setting available)

Dimension



VA102E-VL60/VL60W

650TVL WDR Super Night Vision Outdoor Camera



White LED option

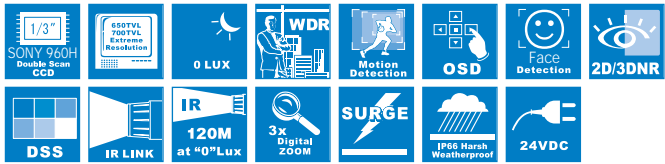
Product Information

VA102E-VL60/VL60W is a Super Night Vision Outdoor Camera specially designed for the professional Day/Night surveillance. At daytime, the camera features a 650TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removal) resulting in the resolution and sensitivity greatly enhanced.

The camera incorporates an intelligent CDS sensor and mechanical day&night dual filter system so that the filter accurately switched on and off with the image change from Color to B/W and vice versa at a designated Lux level by OSD.

When motion is detected at night, VL60W white LED light is activated in color mode at night as an option.

IP66 weatherproof provides a perfect solution for moisture leakage problem against any harsh weather condition.

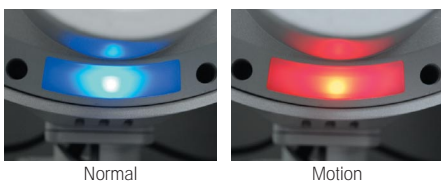


Key Features

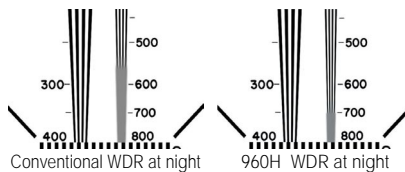
- 1/3" Sony 960H Double Scan CCD
- Super Wide Dynamic (sWDR)
- Easy-to-use OSD Functions
- High Resolution of 650TVL at Day / 700TVL at Night
- 2D/3DNR (2D/3D Noise Reduction)
- 7.5~50mm DC IRIS Lens
- Powerful Night Sensitivity
- IR Sensitive Mechanical Day/Night Filter System Built-in
- Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- IR Connection 4P Din Jack(Left & Right) built-in
- Installation With Existing Telephone Cable Up To 100M Long
- Motion Detection
- Face Detection
- RS-485 Interface(Pelco-D)
- IP66 Weatherproof
- DC24V/1.9A Adaptor Inclusion
- Long IR/White Beam Distance : 120M View(IR)/100M View(White)
- Focus External Adjustment
- Fan & Heater built-in(Optional)
- 24VDC Non-polarity Power Input

Motion detection Lamp

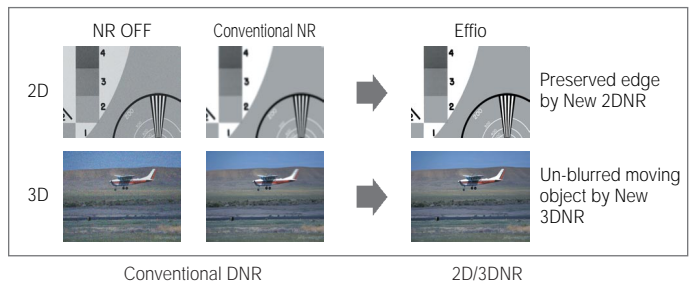
When the camera detects a motion, the RED LED blinks in order to deter an intruder's attempts of a crime. BLUE LED is on in normal condition,



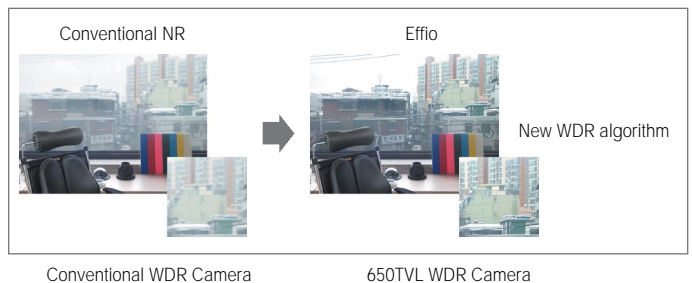
High Resolution 650TVL(Color)/ 700TVL(B/W)



3D-DNR (3Dimension Digital Noise Reduction)

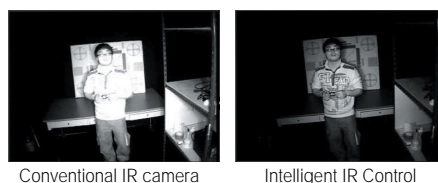


sWDR (Super Wide Dynamic Range)



Intelligent IR Saturation Compensation

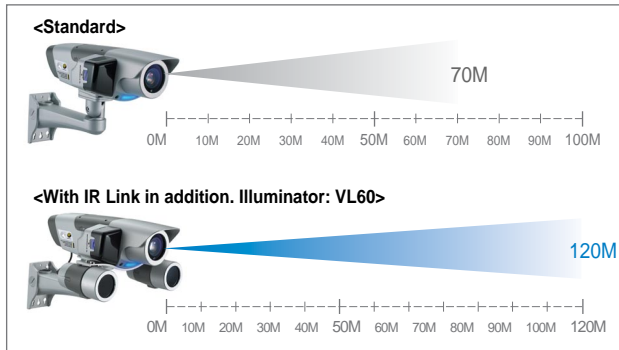
The image reflected from the IR lights becomes WHITE from the conventional IR cameras. Visionhitech's new IR Compensation technology analyzes the light saturation and automatically optimizes the level to the objects being recognizable.



VA102E-VL60/VL60W | 650TVL WDR Super Night Vision Outdoor Camera

Powerful night sensitivity

This Super night vision camera includes high impact infra-red LEDs as a standard capturing a clear and very bright image up to 120 meter long distance at pitch black 0' Lux darkness.

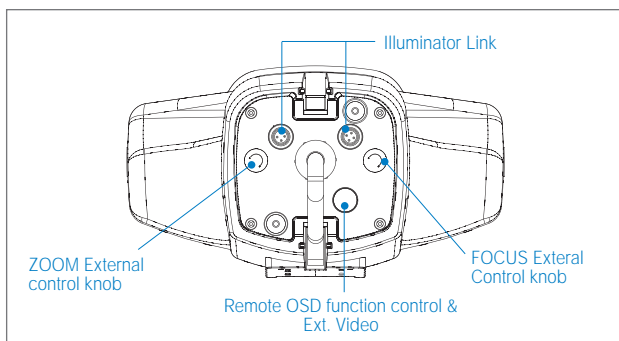
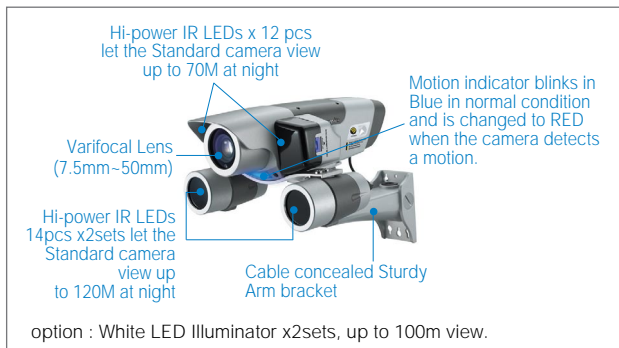


High power IR LEDs built-in LED Lamp Interchangeable



IP66 Weatherproof

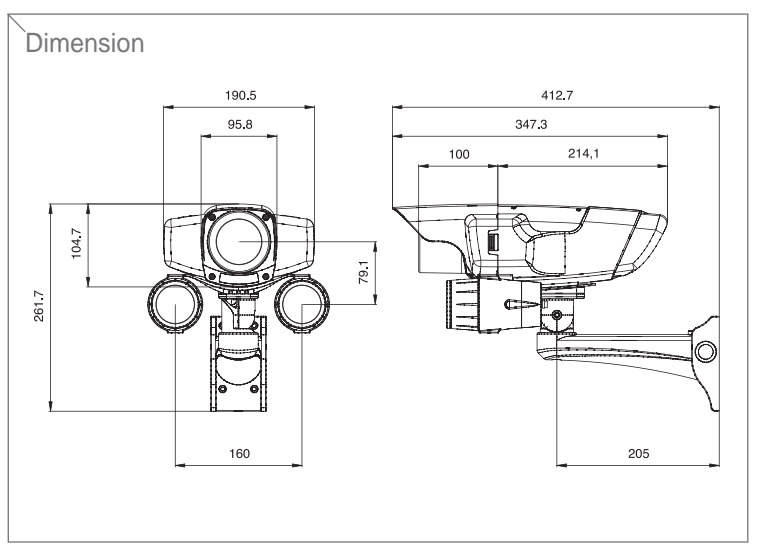
The unit is duly passed IP66 international weatherproof standard, allowing the camera to be operated safely from even extremely harsh water storming weather condition.



MODEL	VA102E-VL60/VL60W
Image sensor	1/3" Sony 960(H) Double scan CCD
Effective Pixels	NTSC : 960(H) x 494(V) PAL : 960(H) x 582(V)
H. Resolution	650 TV Lines(Color) / 700 TV Lines(BW)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0Lux
Shutter Speed	NTSC:1/60-1/100,000 sec. PAL:1/50-1/100,000 sec.
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 10,500°K Auto ATW/Push Lock/Manual selectable by OSD
Gain Control	Standard : -6dB ~ 42dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	24VDC
Operating current	140mA at 24VDC (IR "off" Day) 900mA at 24VDC (IR "On" Night)
Lens	7.5-50mm VF Auto DC iris lens
Iris Control	DC IRIS/Manual IRIS by OSD Function
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	220(W) x 261.7(V) x 412.7(L)
Weight (Approx.g)	5,000

Function	
WDR	Off / On (User selectable by OSD)
2D/3DNR	Off / On (User selectable by OSD)
Digital Slow Shutter	Off / 2x ~ 160x (DSS)
Motion Detection	On/Off (4 programmable zones)
Face Detection	On/Off (4 Faces)
Digital Zoom	Off, X1.5, X2, X3
White Balance	Auto (ATW) / Push Lock / User Selectable
Privacy Mosaic	On/Off (4 programmable zones)

Illumination		
Camera	850mm/12ea x LED	
Illumination	IR	850mm Hi-Power LED
	White	Visible Hi-Power LED
Viewable distance	120M (IR LED) / 100M (White LED)	
MTBF of LED	20,000 Hours	



Analog Camera

DVR

IP Camera

NVR

Accessories

VDA110E

650TVL WDR Dome camera



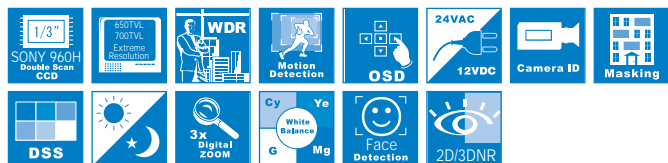
Product Information

VDA110E realizes 650TVL Color image at daytime and crystallized 700TVL B/W image at nighttime adopted 2D/3DNR by using a 960H sensor designed for professional 24/7 surveillance.

The unique wide dynamic technology with smart & easy-to-use OSD settings provides user with an optimum solution for the best image quality at various situations.

This unit incorporates an intelligent CDS sensor and mechanical day/night dual filter system which are accurately switched on and off with the image changed from Color to B/W and vice versa at a designated Lux level from 1 Lux to 10 Lux by OSD.

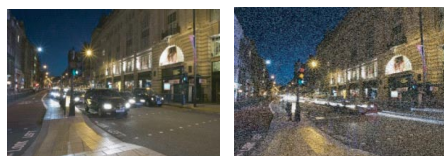
The professional 24/7 surveillance is strongly secured by Motion Detection, Facial Detection and Privacy Mosaic. The wide power tolerance accepts most of unstable power supplies without failure before or after installation.



Key Features

- 1/3" Sony 960H Double Scan CCD
- Super Wide Dynamic (sWDR)
- High resolution of 650 TVL at Day / 700 TVL at Night
- IR Sensitive mechanical Day / Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- Optic photo sensor built-in
- Greatly enhanced Sensitivity of 0.0001 Lux at F1.3
- Easy-to-use OSD functions
- Camera ID
- Digital zoom (1.5x ~ 3x)
- Motion Detection
- Face Detection
- Digital Slow Shutter (DSS)
- 2D/3DNR (2D/3D Noise Reduction)
- Privacy Mosaic
- RS-485 Interface(Pelco-D)
- IP66 Weatherproof
- Power option : 12VDC, 12VDC / 24VAC

2D/3DNR(2D/3D Noise Reduction)



VDA110E

Conventional

This unit reproduces an extremely clear image with 2D/3DNR technology simultaneously.

MODEL	VDA110E
Image sensor	1/3" Sony 960 H Double scan CCD
Effective Pixels	NTSC : 960 (H) x 494 (V) PAL : 960 (H) x 582 (V)
H.Resolution	650 TV Lines (Color) / 700 TV Lines (BW)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0 Vp-p Composite. 75 Ohms
S/N ratio	More than 52 dB (AGC Off)
Min. illumination	0.2 Lux at F1.3 (DSS Off) / 0.0001 Lux at F1.3 (DSS On)
Back Light Compensation	On / Off by OSD
Shutter Speed	NTSC : 1/60 ~ 1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$
White Balance	1,800 ° K ~ 10,500 ° K Auto ATW / Push Lock / Manual select able by OSD
Gain Control	Standard : -6 dB ~ 42 dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC, 12VDC / 24VAC Dual power
Operating current	260mA at 12VDC, 130mA at 24VAC
Lens	3.3mm-12mm Varifocal / 7.5 ~50mm Varifocal lens
Iris Control	DC
Operating Temperature	14° F ~ 122° F (-10° C ~ +50° C)
Humidity	Within 90% RH
Measurement (mm)	164 (Ø)x 121.5 (H)
Weight (Approx.g)	1,900

OSD Menu	
WDR	Off /On (User select able by OSD)
White balance	Auto (ATW)/ Push Lock / User selectable
Gain Control	Low, Middle, High, Off Selectable
2D/ 3DNR	Off / On (User select able by OSD)
Digital Slow Shutter	Off / 2x ~ 160x (DSS)
Motion Detection	On / Off (4 programmable zones)
Face Detection	On / Off (4Faces)
Privacy Mosaic	On / Off (4 programmable zones)
Digital zoom	Off, 1.5x, 2x, 3x



Product Information

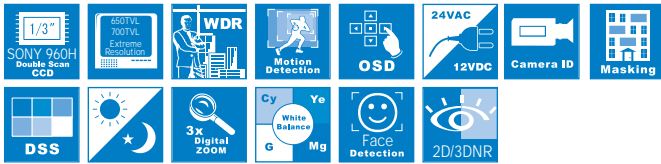
VC57E realizes 650TVL Color image at daytime and crystallized 700TVL B/W image at nighttime adopted 2D/3DNR by using a 960H sensor designed for professional 24/7 surveillance.

The unique wide dynamic technology with smart & easy-to-use OSD settings provides user with an optimum solution for the best image quality at various situations.

This unit incorporates an intelligent CDS sensor and mechanical day/night dual filter system which are accurately switched On and Off with the image changed from Color to B/W and vice versa at a designated Lux level from 1 Lux to 10 Lux by OSD.

Specially designed power circuit enables the camera to operate from DC11V to DC40V and from AC15V to AC30V maximizing the reliability of the unit from power fluctuations.

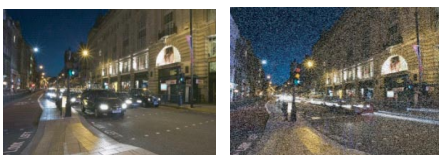
The professional 24/7 surveillance is strongly secured by Motion Detection, Facial Detection and Privacy Mosaic.



Key Features

- 1/3" Sony 960H Double Scan CCD
- Super Wide Dynamic (sWDR)
- High resolution of 650 TVL at Day / 700 TVL at Night
- C/CS and Flange-back focus adjustment lever built-in
- IR Sensitive mechanical Day / Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- Optic photo sensor built-in
- Greatly enhanced Sensitivity of 0.0001 Lux at F1.2
- Easy-to-use OSD functions
- Auto DC/Manual iris
- Optic photo sensor built-in
- Camera ID
- Digital zoom (1.5x ~ 3x)
- Face Detection
- Motion Detection
- Digital Slow Shutter (DSS)
- 2D/3DNR(2D/3D Noise Reduction)
- Privacy Mosaic
- RS-485 Interface(Pelco-D)
- Power option : 12VDC, 12VDC / 24VAC, 230VAC

2D/3DNR(2D/3D Noise Reduction)



VC57E

Conventional

This unit reproduces an extremely clear image with 2D/3D technology simultaneously.

MODEL	VC57E
Image sensor	1/3" Sony 960 H Double scan CCD
Effective Pixels	NTSC : 960 (H) x 494 (V) PAL : 960 (H) x 582 (V)
H.Resolution	650 TV Lines (Color) / 700 TV Lines (BW)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2 : 1 Interlaced
Video output	1.0 Vp-p Composite e. 75 Ohms
S/N ratio	More than 52 dB (AGC Off)
Min. illumination	0.2 Lux at F1.2 (DSS Off) / 0.0001 Lux at F1.2 (DSS On)
Back Light Compensation	On / Off by OSD
Shutter Speed	NTSC:1/60 ~ 1/100,000 sec. PAL: 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$
White Balance	1,800 ° K ~ 10,500 ° K Auto ATW / Push Lock / Manual selectable by OSD
Gain Control	Standard : -6 dB ~ 4 dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC, 12VDC/24VDC
Operating current	260mA at 12VDC, 130mA at 24VAC
Lens	C / CS Mount
Iris Control	Manual / DC by slide switch
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	62 (W) x 58 (V) x 140 (L)
Weight (Approx.g)	680

OSD Menu	
WDR	Off / On (User selectable by OSD)
White balance	Auto (ATW)/ Push Lock/User selectable
2D/ 3DNR	Off / On (User selectable by OSD)
Digital Slow Shutter	Off / 2x ~ 160x (DSS)
Motion Detection	On / Off (4 programmable zones)
Face Detection	On / Off (4 Faces)
Privacy Mosaic	On / Off (4 programmable zones)
Digital zoom	Off, 1.5x, 2x, 3x

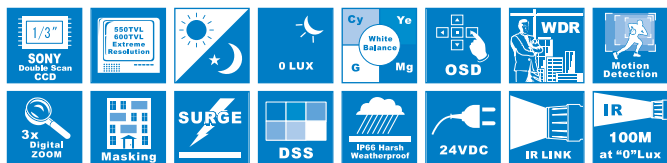
VA105WD-VL60

Super Night vision Outdoor camera



Product Information

VA105WD-VL60 is a WDR day/night camera specially designed for the professional Day/Night surveillance. At daytime, the camera features a 550TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removal) resulting in the resolution and sensitivity greatly enhanced. The unique wide dynamic technology with smart & easy-to-use OSD settings provides users with the optimum solution for the best image quality at various situations. The camera incorporates an Intelligent CDS sensor and mechanical day/night dual filter system so that the filter is accurately switched on and Off with the image changed from Color to B/W and vice versa at a designated level by OSD. With user-friendly IR Link outputs, installers can easily connect the IR illuminators on the spot. Specially designed power circuit enables the camera to operate from DC19V to DC35V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation. It accepts either DC24V or 24VAC power supply unit with no polarity input.

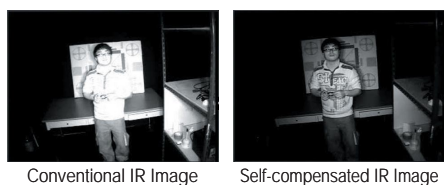


Key Features

- Super Wide Dynamic (sWDR)
- 1/3" Sony Double Scan CCD
- High resolution of 550 TVL at Day / 600 TVL at Night
- Greatly enhanced Sensitivity of 0.0001 Lux at F1.3
- Easy-to-use OSD functions
- IR Sensitive mechanical Day / Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- IR Connection 4P Din Jack (Left & Right) built-in
- IP66 Weatherproof
- Installation with existing telephone cable up to 100M long
- Optic photo sensor built-in
- RS-485 Interface(Pelco-D)
- Long IR beam Distance : 100M View
- Easy to use OSD menu control
 - Motion detection. - Camera ID -DSS (2x~160x)
 - Digital zoom(1x~3x) -Privacy masking
- DC24V/1.9A Adaptor inclusion

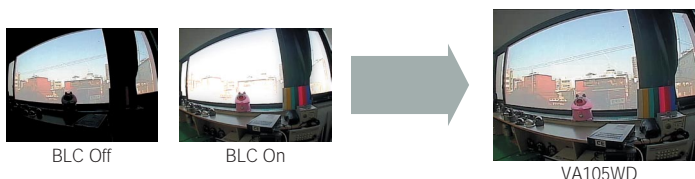
Intelligent IR Control

The image reflected from the IR lights becomes WHITE from the conventional IR cameras. Visionhitech's new IR Compensation technology analyzes the light saturation and automatically optimizes the level to the objects being recognizable.

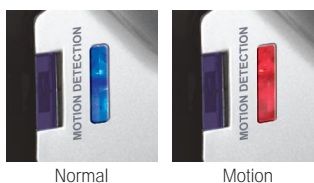


Super Wide Dynamic (sWDR)

Light level is controllable with provided easy-to-use OSD menu that enables the camera to be ideally set up for the most of different levels of backlight or contrast lighting situations.



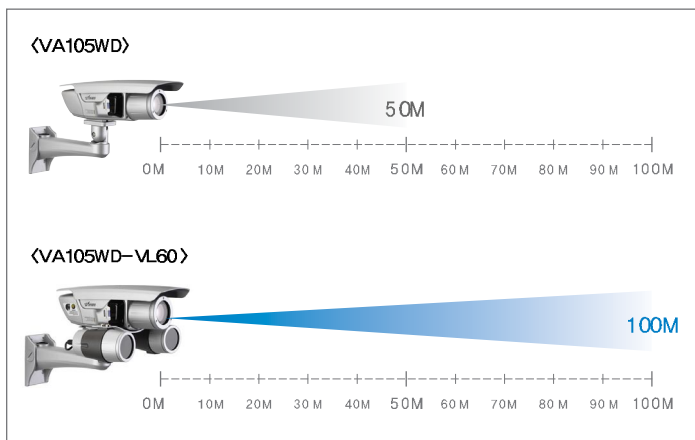
Motion detection Lamp



When the camera detects a motion, the RED LED blinks in order to deter an intruder's attempts of a crime. BLUE LED is on in normal condition,

Powerful night sensitivity

This new night vision camera includes high impact infra-red LEDs capturing a clear and very bright image at pitch black '0' Lux darkness for up to 100 meter long distance.



VA105WD-VL60 | Super Night vision Outdoor camera

High power IR LEDs built-in LED Lamp Interchangeable



Extended IR LEDs' life cycle and the sensitivity

The VA105WD-VL60 adapts the Visionhitech's special IR life protection technology that extends the life cycle of IR LEDs at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LEDs' performance is reduced day by day and finally burned to dead in short time period after the installation. Consequently, the night vision performance of conventional cameras is seriously reduced within after several months of operation.

IP66 Weatherproof

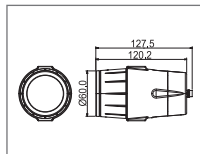
The unit is duly passed IP66 international weatherproof standard, allowing the camera to be operated safely from even extremely harsh water storming weather condition.



IR Link terminal



Optional IR Illuminator



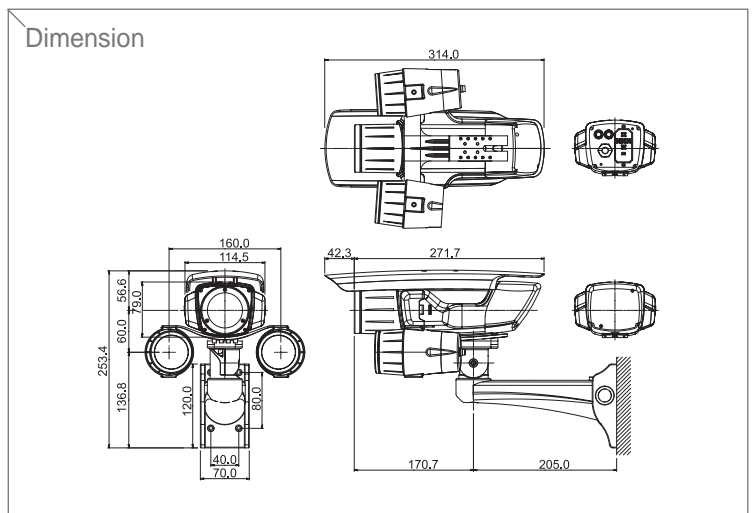
Dimension

MODEL	VA105WD-VL60
Image sensor	1/3" Sony double scan CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 550 TV Lines (Day) / 600 TV Lines (Night) PAL : 540 TV Lines (Day) / 590 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.0001 Lux at F1.3 (DSS On) / 0.2 Lux at F1.3 (DSS Off)
Back Light Compensation	Off / On
Shutter Speed	NTSC : 1/60~1/100,000 sec PAL : 1/50 ~ 1/100,000 sec
Gamma correction	Standard $\gamma = 0.45$
White Balance	2,100°K ~ 9,100°K Auto ATW / Push Lock / User selectable by OSD
Gain Control	Standard : -6dB ~ 42dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	24VDC
Operating current	140mA at 24VDC(IR "Off" Day) 1050mA at 24VDC(IR "On" Night)
Lens	7.5-50mm Varifocal lens
IR Spectrum	Side : 850nm-8Ø x 17° x 6ea illuminator : 850nm-10Ø x 14° x 9ea, 8Ø x 15° x 5ea,
Iris Control	ESC / DC IRIS by OSD Function
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	220(W) x 253(V) x 418(L)
Weight (Approx.g)	4,500

OSD Menu	
WDR	Off / On (User selectable by OSD)
White balance	Auto (ATW) / Push Lock / User selectable (Push : 1800°K-10500°K)
Gain Control	Low, Middle, High, Off Selectable
Digital Slow Shutter	Off / 2 x ~ 160 x (DSS)
Privacy Masking	On / Off (4 programmable zones)
Digital zoom	Off / On 1.5x, 2x, 3x.

IR Function	
IR Spectrum of 6LEDs	High Power 850nm-17° (8Ø) x 6ea
Viewable distance	Up to 50M at moonless night
MTBF of IR	20,000 Hours

IR Option	
Addable IR illuminator	VL60
IR Spectrum of VL60	High Power 850nm-10Ø x 14° x 9, 8Ø x 15° x 5
Viewable distance	Up to 100M at moonless night with VL60 x 2 sets in addition





Product Information

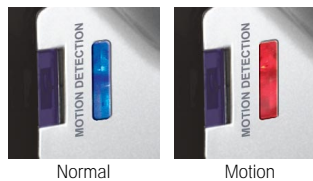
VA205-VL60 is an Auto Focus Zoom lens built-in day/night camera specially designed for the professional Day/Night surveillance. With the built-in 10x (f3.8~38mm) optical zoom lens and Digital 10x zoom function, the camera provides 100 times of zoom capability. The unit possesses a super bright sensitivity of 0.0007 Lux at color mode and a ICR built-in Day/Night mechanism. At daytime, the camera features a 500TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removed) resulting in the resolution and sensitivity greatly enhanced. The camera incorporates an Intelligent CDS control technology that triggers mechanical day/night filter accurately switched on and off with the image changed between Color and B/W at 5 lux outdoor darkness. With user-friendly IR Link outputs, installers can easily connect the IR illuminators on the spot. Specially designed power circuit enables the camera to be installed on an existing UTP or telephone cable without affecting on the camera's Day/Night performance.



Key Features

- Digital Zoom Camera (Optical 10x plus Digital 10x)
- 1/4" Sony Super HAD CCD
- High resolution of 500 TVL at Day / 570 TVL at Night
- Greatly enhanced Sensitivity of 0.0007 Lux at F1.8
- IR Sensitive mechanical Day/Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- IR Connection 4P Din Jack (Left & Right) built-in
- Extended IR LEDs' life cycle and the sensitivity
- Accurate Day/Night perception
- RS-485 interface(Pelco-D)
- IP66 Weatherproof
- Cable concealed thru bracket.
- Installation with existing telephone cable up to 100M long.
- DC24V/1.9A Adaptor inclusion
- Long IR beam Distance : 100M View
- Easy to use OSD menu control
 - Motion detection.
 - Camera ID
 - Sens-up (2x~128x)
 - Digital Noise Reduction (DNR)
 - Privacy masking

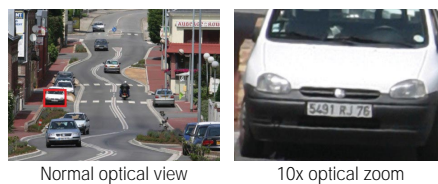
Motion detection Lamp



When the camera detects a motion, the RED LED blinks in order to deter an intruder's attempts of a crime. BLUE LED is on in normal condition.

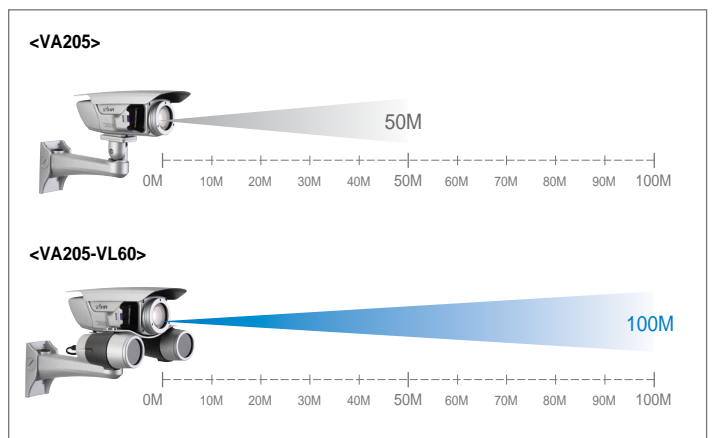
10x Optical Auto Focus Zoom (f3.8mm ~ 38mm)

The unit incorporates f3.8mm ~ 38mm 10x optical and 10x Digital AF zoom lens, Built-in ICR enables the unit to create clear image quality for 24 hours Day & Night. With ODS menu control, the user can capture the view of up to 100 times closer.



Powerful night sensitivity

This new night vision camera includes high impact infra-red LEDs as a standard capturing a clear and very bright image at pitch black '0' Lux darkness for up to 100 meter long distance.



VA205-VL60 | Super Night vision Outdoor AF Zoom camera

High power IR LEDs built-in LED Lamp Interchangeable



Extended IR LEDs' life cycle and the sensitivity

The VA200-VL60 adapts the Visionhitech's special IR life protection technology that extends the life cycle of IR LEDs at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LEDs' performance is reduced day by day and finally burned to dead in short time period after the installation. Consequently the night vision performance of conventional cameras is seriously reduced within after several months of operation.

IP66 Weatherproof

The unit is duly passed IP66 international weatherproof standard, allowing the camera to be operated safely from even extremely harsh water storming weather condition.



Smart Zoom

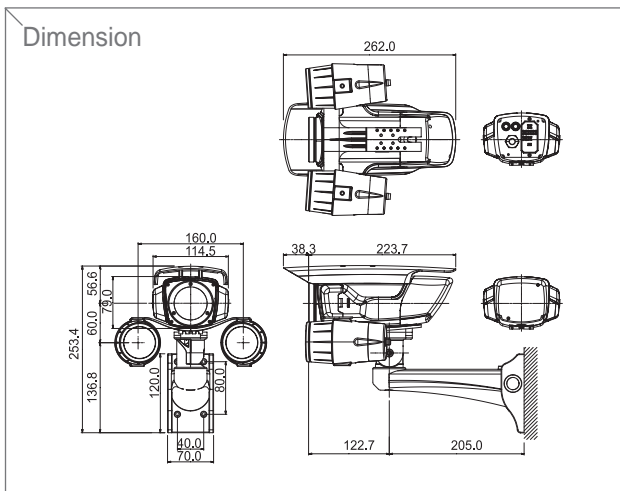
This is operating with linking to Motion Detection. If this unit detects a Motion when Smart Zoom detection sets to on in the condition of Motion Detection on, Zoom is activating as determined target zoom. After zoom is fixed and dwell time is over, smart zoom is returned to start zoom.



IR Link terminal

Optional IR Illuminator

Dimension



MODEL	VA205-VL60
Image sensor	1/4" Sony Super HAD CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	500 TV Lines (Day) / 570 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N Ratio	50dB(AGC Off)
Min.illumination	0.0007 Lux at F1.8(Sens-up)

OSD Menu	
OSD menu	RS-485 (Controllable by DVR or controller)
Digital zoom	On / Off (2x - 10x)
Day & Night	Color / B/W / Auto (ICR)
Back Light Compensation	Low / Middle / High / Off
Shutter Speed	Auto / Manual (NTSC : 1/60 ~ 1/120,000 sec.) (PAL : 1/50 ~ 1/120,000 sec.)
White Balance	ATW (Indoor : 3,000°K~10,500°K, Outdoor : 1,800°K~10,500°K) / AWC / Manual
Gain Control	Low / Middle / High / Off
Sens-up	Auto (2x~128x) / Off
DNR	Low / Middle / High / Off
Privacy	On / Off (Max. 32 zones / 8 Programmable zones per screen)
Flip	H-REV (On / Off) / V-REV (On / Off)
Focus control	Auto / Manual / One push
Iris control	Auto / Manual
Motion detection	On / Off (4 Programmable zone per screen)
Communication	RS-485 interface(Pelco-D)

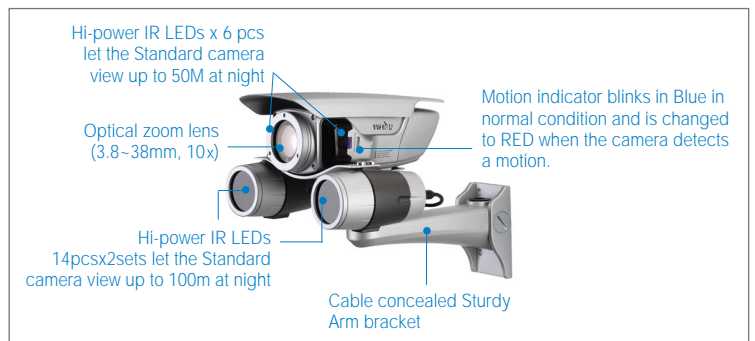
POWER	
Power source	24VDC
Operating current	130mA(IR "Off" at Day) 1040mA(IR "On" at Night)

LENS	
Lens	Auto Focus Digital zooms
Zoom ratio	10x, f3.8~38mm (F1.8)
Min. Focus distance	1.5M
Angle of view Lens	Horizontal : Approx.52.2°(Wide) to 5.58°(Tele)
initialization	Vertical : Approx.39.3°(Wide) to 4.27°(Tele)
Digital Zoom	On / Off (2x -10x)

Operating	
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Weatherproof rating	IP66
Measurement (mm)	220(W) x 253(V) x 366(L)
Weight (Approx.g)	3,400
Connection	Cable concealed through Bracket

IR Function	
IR Spectrum	High Power 850nm-17° (8Ø) x 6ea
Viewable distance	Up to 50M at moonless night
MTBF of IR	20,000 Hours

IR Option	
Addable IR illuminator	VL60
IR Spectrum	High Power 850nm - 10Øx14°x5, 8Øx15°x5
Viewable distance	Up to 100M at moonless night with VL60 x 2 sets in addition



Analog Camera

DVR

IP Camera

NVR

Accessories

VA332WD-VL60

Super Night Vision Outdoor AF Zoom Camera



Product Information

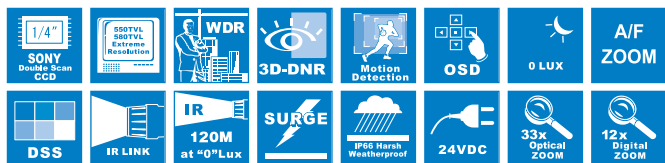
VA332WD-VL60 is Super Night Vision Outdoor Auto Focus Zoom camera with high resolution of 550TVL with the total zoom magnification of 396 times (optical 33x and digital 12x).

Super Wide Dynamic Range (sWDR) enables the camera to be ideally set up for different levels of backlit or contrasting lighting. 3D-DNR realizes noiseless clear pictures in low light conditions by effectively eliminating any ghost effect.

The mechanical day/night filter by ICR (Infrared Cut-filter Removal) and interchangeable high powered IR LEDs realize perfect day/night capability.

Detachable two IR pods (VL60) enhance night vision capability by extending IR beam range up to 120M.

The IP66 rated body can endure under any harsh environmental conditions.



Key Features

- 1/4" Sony Double Scan CCD
- Optical 33x, Digital 12x
- Super Wide Dynamic (sWDR)
- Easy-to-use OSD Functions
- High Resolution of 550TVL at Day / 680TVL at Night
- 3DNR (3D Noise Reduction)
- Powerful Night Sensitivity
- Extended IR LED's Life Cycle and sensitivity
- Long IR Beam Distance : 120M View
- IR Connection 4P Din Jack(Left & Right) built-in
- Installation with Existing Telephone Cable Up To 100M Long
- IR Sensitive Mechanical Day/Night Filter System Built-in
- Motion Detection
- RS-485 Interface(Pelco-D)
- IP66 Weatherproof
- DC24V/1.9A Adaptor Inclusion
- 24VDC Non-polarity Power Input

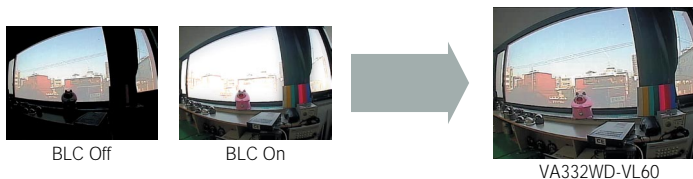
Motion detection Lamp

When the camera detects a motion, the RED LED blinks in order to deter an intruder's attempts of a crime. BLUE LED is on in normal condition.



Super Wide Dynamic (sWDR)

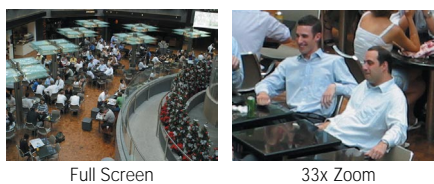
Light level is controllable with provided easy-to-use OSD menu that enables the camera to be ideally set up for the most of different levels of backlit or contrast lighting situations.



High Resolution of 550TVL(D)/680TVL(N)



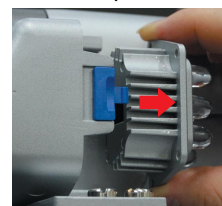
Powerful 33x Optical Zoom



High power IR LEDs built-in



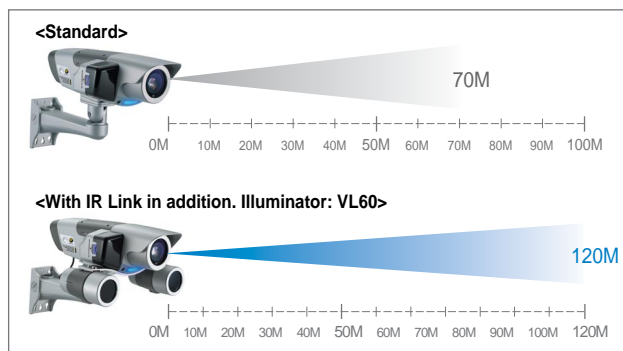
LED Lamp Interchangeable



VA332WD-VL60 | Super Night Vision Outdoor AF Zoom Camera

Powerful night sensitivity

This new night vision camera includes high impact infra-red LEDs as a standard capturing a clear and very bright image up to 120 meter long distance at pitch black 0' Lux darkness.

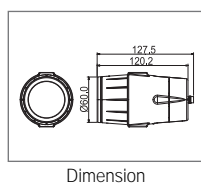
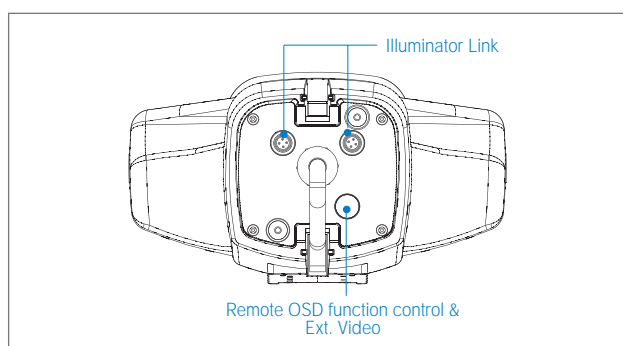
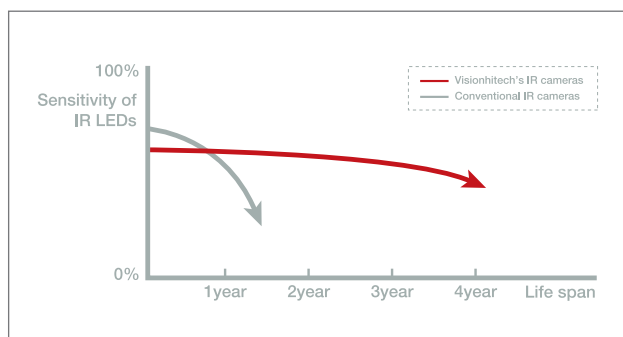


IP66 Weatherproof

The unit is duly passed IP66 international weatherproof standard, allowing the camera to be operated safely from even extremely harsh water storming weather condition.

Extended IR LED's life cycle and sensitivity

The VA332WD-VL60 adapts the Visionhitech's special IR life protection technology that extends the life cycle of IR LEDs at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LED's performance is reduced day by day and final burned to dead in short time period after the installation. Consequently the night vision performance of conventional cameras is seriously reduced within after several months of operation.



MODEL	VA332WD-VL60
Image sensor	1/4" Sony Double scan CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	550 TV Lines(Color) / 680 TV Lines(BW)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 626 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 50dB (AGC Off)
Min. Illumination	0Lux
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 10,500°K Auto ATW/AWC/Manual/INDOOR/OUTDOOR selectable by OSD
Smear Effect	0.005%

OSD Menu	
OSD Menu	RS485 interface
WDR/BLC	WDR / BLC / HLC / OFF
Digital Zoom	Off / On (Limit 12x)
Day & Night	AUTO / COLOR / BW / EXT
Electronic Shutter Speed	AUTO / MANUAL / A.FLK(x256 ~ x120,000)
White Balance	ATW/AWC/MANUAL/INDOOR/OUTDOOR
Gain Control	LOW / MEDIUM / HIGH / MANUAL / OFF
Motion Detection	On/Off
Sens-up	Auto (2x ~ 256x) / Off
SSNR	LOW / MEDIUM / HIGH / OFF
Privacy Function	On/Off (8 Zones)
FLIP	On/Off
Mirror	On/Off
Focus Control	AUTO / MANUAL / ONE-PUSH
IRIS Control	AUTO / MANUAL
DIS	On/Off
Zoom Movement Speed	2.2 Sec(Fast) / 2.5 Sec(Medium) / 4.7 Sec(Slow)
Camera Title	On/Off (20 Characters)

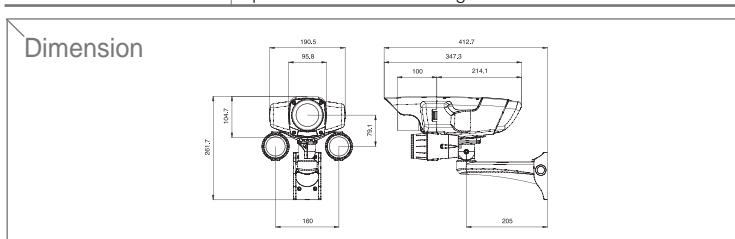
POWER	
Power Source	24VDC
Operating Current	120mA (IR "Off" at Day) 900mA (IR "On" at Night)

LENS	
Lens	Auto Focus Digital Zooms
Zoom Ratio	33x, f=3.5 to 115.5mm(F1.6 to F3.6)
Min. Focus distance	1M
Angle of view Lens	Horizontal : Appro. 55.5°(Wide) to 1.77°(Tele)
Initialization	Vertical : Appro. 42.5°(Wide) to 1.33°(Tele)
Digital Zoom	Off / On (Limit 12x)

Operating	
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Weatherproof rating	IP66
Measurement (mm)	220(W) x 261.7(V) x 412.7(L)
Weight (Approx.g)	4,000
Connection	Cable concealed through Bracket

IR Function	
IR Spectrum	High Power 850nm-Ø8X17°X12ea
Viewable distance	Up to 70M at moonless night
MTBF of IR	20,000 Hours

IR Option	
Addable IR illuminator	VL60
IR Spectrum	High Power 850nm-Ø10X14°X9ea, Ø8X15°X5ea
Viewable distance	Up to 120M at moonless night with VL60X2 sets in addition



Analog Camera

DVR

IP Camera

NVR

Accessories

VA372WD-VL60

Super Night Vision Outdoor AF Zoom Camera

NEW



Product Information

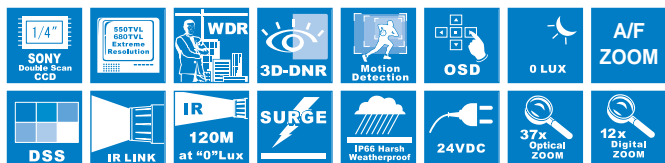
VA372WD-VL60 is Super Night Vision Outdoor Auto Focus Zoom camera with high resolution of 550TVL with the total zoom magnification of 444 times (optical 37x and digital 12x).

Super Wide Dynamic Range (sWDR) enables the camera to be ideally set up for different levels of backlit or contrasting lighting. 3D-DNR realizes noiseless clear pictures in low light conditions by effectively eliminating any ghost effect.

The mechanical day/night filter by ICR (Infrared Cut-filter Removal) and interchangeable high powered IR LEDs realize perfect day/night capability.

Detachable two IR pods (VL60) enhance night vision capability by extending IR beam range.

The IP66 rated body can endure under any harsh environmental conditions.



Key Features

- 1/4" Sony Double Scan CCD
- Optical 37x, Digital 12x
- Super Wide Dynamic (sWDR)
- Easy-to-use OSD Functions
- High Resolution of 550TVL at Day / 680TVL at Night
- 3DNR (3D Noise Reduction)
- Powerful Night Sensitivity
- Extended IR LED's Life Cycle and the sensitivity
- Long IR Beam Distance : 120M View
- IR Connection 4P Din Jack(Left & Right) built-in
- Installation with Existing Telephone Cable Up To 100M Long
- IR Sensitive Mechanical Day/Night Filter System Built-in
- Motion Detection
- RS-485(Pelco-D)
- IP66 Weatherproof
- DC24V/1.9A Adaptor Inclusion
- 24VDC Non-polarity Power Input

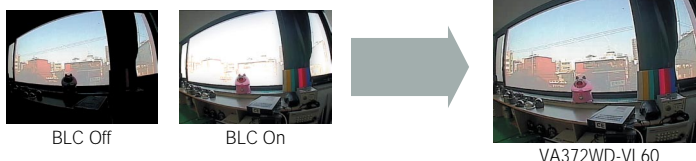
Motion detection Lamp

When the camera detects a motion, the RED LED blinks in order to deter an intruder's attempts of a crime. BLUE LED is on in normal condition,



Super Wide Dynamic (sWDR)

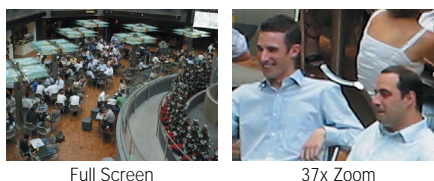
Light level is controllable with provided easy-to-use OSD menu that enables the camera to be ideally set up for the most of different levels of backlit or contrast lighting situations.



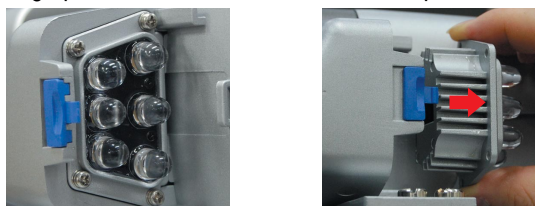
High Resolution of 550TVL(D) / 680TVL(N)



Powerful 37x Optical Zoom



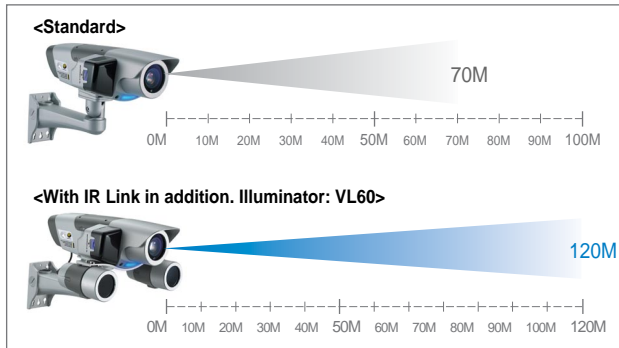
High power IR LEDs built-in LED Lamp Interchangeable



VA372WD-VL60 | Super Night Vision Outdoor AF Zoom Camera

Powerful night sensitivity

This new night vision camera includes high impact infra-red LEDs as a standard capturing a clear and very bright image up to 120 meter long distance at pitch black 0' Lux darkness.

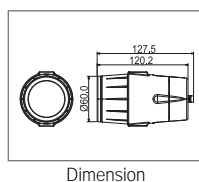
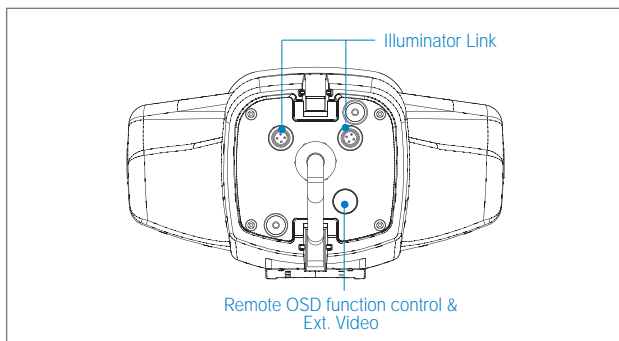
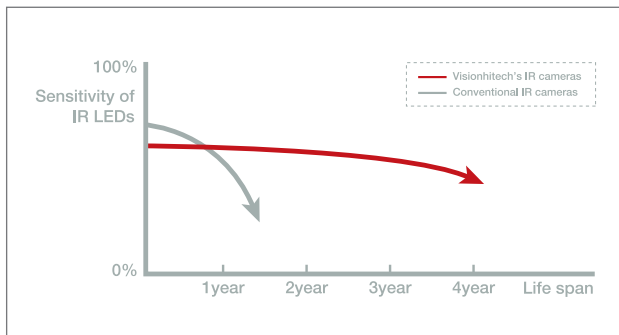


IP66 Weatherproof

The unit is duly passed IP66 international weatherproof standard, allowing the camera to be operated safely from even extremely harsh water storming weather condition.

Extended IR LED's life cycle and sensitivity

The VA372WD-VL60 adapts the Visionhitech's special IR life protection technology that extends the life cycle of IR LEDs at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LED's performance is reduced day by day and final burned to dead in short time period after the installation. Consequently the night vision performance of conventional cameras is seriously reduced within after several months of operation.



MODEL	VA372WD-VL60
Image sensor	1/4" Sony Double scan CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	550 TV Lines(Color) / 680 TV Lines(BW)
Synchronizing system	Internal
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 50dB (AGC Off)
Min. Illumination	0Lux
Gamma Correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 10,500°K Auto ATW/AWC/Manual/INDOOR/OUTDOOR selectable by OSD
Smear Effect	0.005%

OSD Menu	
OSD Menu	RS485 (Controllable by DVR or controller)
WDR/BLC	WDR / BLC / HLC / OFF
Digital Zoom	Off / On (Limit 12x)
Day & Night	AUTO / COLOR / BW / EXT
Electronic Shutter Speed	AUTO / MANUAL / A.FLK(x256 ~ 120,000)
White Balance	ATW/AWC/MANUAL/INDOOR/OUTDOOR
Gain Control	LOW / MEDIUM / HIGH / MANUAL / OFF
Motion Detection	On/Off
Sens-up	Auto (2x ~ 256x) / Off
SSNR	LOW / MEDIUM / HIGH / OFF
Privacy Function	On/Off (8 Zones)
FLIP	On/Off
Mirror	On/Off
Focus Control	AUTO / MANUAL / ONE-PUSH
IRIS Control	AUTO / MANUAL
DIS	On/Off
Zoom Movement Speed	2.5 Sec(Fast) / 3.1 Sec(Medium) / 5.6 Sec(Slow)
Camera Title	On/Off (20 Characters)

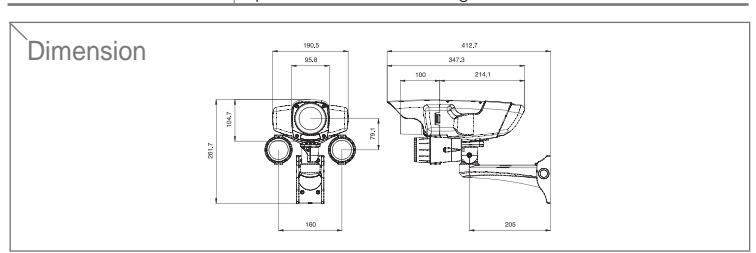
POWER	
Power Source	24VDC
Operating Current	120mA (IR "Off" at Day) 900mA (IR "On" at Night)

LENS	
Lens	Auto Focus Digital Zooms
Zoom Ratio	37x, f=3.5 to 129.5mm(F1.6 to F3.9)
Min. Focus distance	1500mm
Angle of view Lens	Horizontal : Appro. 55.5°(Wide) to 1.59°(Tele)
Initialization	Vertical : Appro. 42.5°(Wide) to 1.19°(Tele)
Digital Zoom	Off / On (Limit 12x)

Operating	
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Weatherproof rating	IP66
Measurement (mm)	220(W) x 261.7(V) x 412.7(L)
Weight (Approx.g)	4,000
Connection	Cable concealed through Bracket

IR Function	
IR Spectrum	High Power 850nm-Ø8X17°X12ea
Viewable distance	Up to 70M at moonless night
MTBF of IR	20,000 Hours

IR Option	
Addable IR illuminator	VL60
IR Spectrum	High Power 850nm-Ø10X14°X9ea, Ø8X15°X5ea
Viewable distance	Up to 120M at moonless night with VL60X2 sets in addition



Analog Camera

DVR

IP Camera

NVR

Accessories



Product Information

VN90SNX is a super sensitive IR camera specially designed for a professional Day/Night surveillance, viewable up to 100M at moonless night.

Powerful night vision technology used for this unit is very unique so that the camera can view far longer distance at less power consumption and with little noise at night.

The camera incorporates a positive CDS sensor and mechanical day/night dual filter system so that the IR is accurately switched On and Off at a designated lux level by OSD with the image changed from Color to B/W and vice versa.

Specially designed power circuit enables the camera to be installed on an existing UTP or telephone cable without affecting on the camera's Day/Night performance.

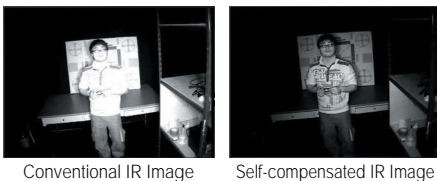


Key Features

- 1/3" Sony Ex-view HAD CCD
- SS-3 (Hightend : High quality & Multi function)
- Powerful night sensitivity
- Intelligent IR Control
- Extended IR LEDs' life cycle and sensitivity
- Easy-to-use OSD function set-up
- IR Sensitive mechanical Day / Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- High resolution of 550 TVL at Day / 600 TVL at Night
- 24VDC(incl. 24VDC/1.9A Adaptor)
- IP67 Weatherproof
- Cable concealed thru bracket
- Digital zoom(1.5x, 2x, 3x)
- Installation with existing telephone cable up to 100M long.

Intelligent IR Control

The image reflected from the IR lights becomes WHITE from the conventional IR cameras. Visionhitech's new IR Compensation technology analyzes the light saturation and automatically optimizes the level to the objects being recognizable.

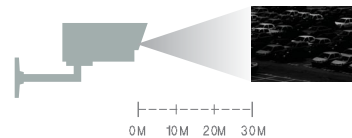


Powerful night sensitivity

This unit features an absolutely POWERFUL night vision performance capturing a clear and very bright image at pitch black '0' Lux darkness for at least 100 meter long distance. Used with an unique Visionhitech's IR Enhance technology, VN90SNX can see a clear image at least 2 times longer distance compared with conventional high quality Sony Ex-view cameras.

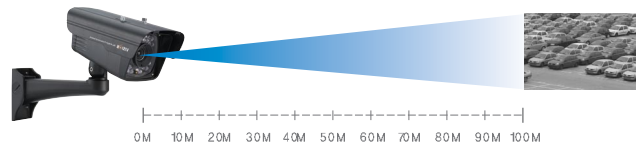
<Conventional Sony Ex-view IR cameras>

Darker image at even much shorter distance.



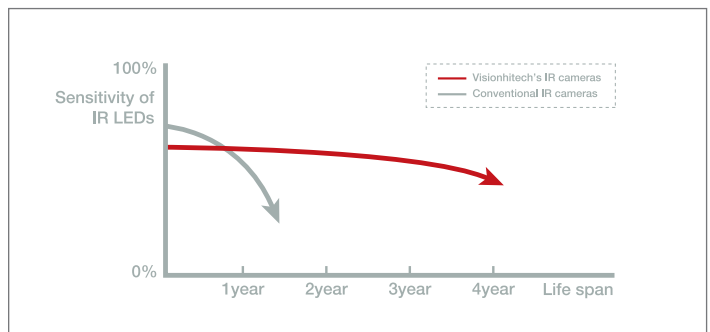
<VN90SNX>

Absolutely clear and bright image at even much longer distance.



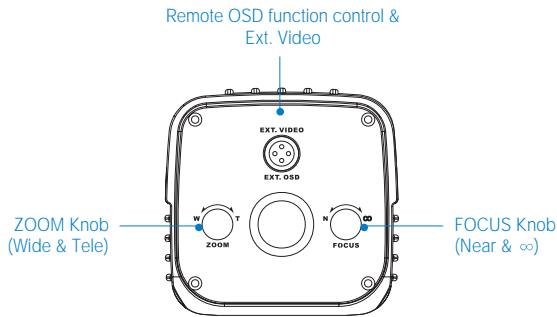
Extended IR LEDs' life cycle and sensitivity

The VN90SNX adapts the Visionhitech's special IR life protection technology that extends the life cycle of IR LEDs at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LEDs' performance is reduced day by day and finally burned to dead in short time period after the installation. Consequently the night vision performance of conventional cameras is seriously reduced within after several months of operation.

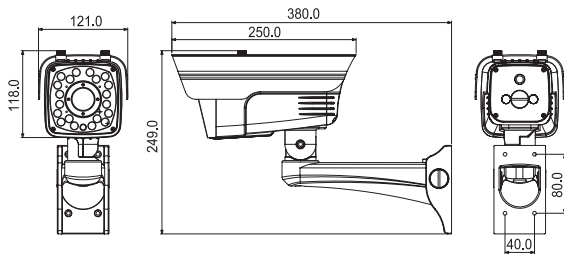


VN90SNX | Super Night vision Outdoor camera

Zoom & Focus External adjustment



Dimension



MODEL	VN90SNX
Image sensor	1/3" Sony Ex-View HAD CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 550 TV Lines (Day) / 600 TV Lines (Night) PAL : 540 TV Lines (Day) / 590 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0Lux
Back Light Compensation	On / Off by OSD
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$ Switchable $\gamma = 1.0$ by Dip switch
White Balance	2,100°K ~ 9,100°K Auto
Gain Control	ATW / Push Lock / User selectable by OSD
Smear Effect	0.005%
Power source	24VDC
Operating current	120mA at 24VDC(IR "Off" Day) 550mA at 24VDC(IR "On" Night)
Lens	5 ~ 50mm Varifocal DC iris
Lens option	4 ~ 9mm/9~22mm Varifocal DC iris
Lens control	Zoom/Focus controllable externally
Operating Temperature	14° F ~ 122° F (-10°C ~ +50°C)
Humidity	Within 90% RH
Weatherproof rating	IP67
Measurement (mm)	121(W) x 249(V) x 380(L)
Weight (Approx.g)	3,800
OSD Menu - RS 485 (Remote control via DVR or Controller is available)	
White balance	Auto (ATW) / Push Lock / User selectable (Push : 1800°K - 10,500°K)
Gain Control	Low, Middle, High, Off Selectable
Shutter speed	1/60 - 1/100,000 sec. (NTSC), 1/50 - 1/100,000 sec. (PAL)
Digital Slow Shutter	Off / 2x ~ 160x (DSS)
Privacy Masking	On / Off (4 programmable zones)
Digital zoom	Off / On 1.5x, 2x, 3x.
IR Function	
IR Spectrum	850nm-Ø10 x 14° x 20ea or 850nm-Ø10 x 27° x 20ea
Viewable distance	Up to 100M at moonless night
MTBF of IR	20,000 Hours



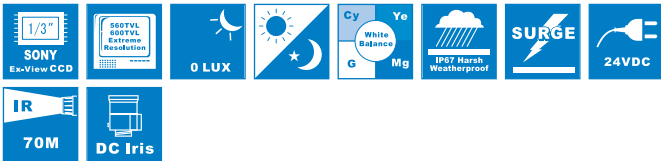
Product Information

VN90HQX is a super sensitive IR camera specially designed for a professional Day/Night surveillance, viewable up to 70M at moonless night.

Powerful night vision technology used for this unit is very unique so that the camera can view far longer distance at less power consumption and with little noise at night.

The camera incorporates a positive CDS sensor and mechanical day/night dual filter system so that the IR is accurately switched On and Off at 5 lux darkness with the image changed from Color to B/W and Vice Versa.

Specially designed power circuit enables the camera to be installed on an existing UTP or telephone cable without affecting on the camera's Day/Night performance.

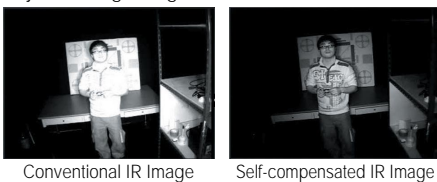


Key Features

- 1/3" Sony Ex-view HAD CCD
- High resolution of 560 TVL at Day / 600 TVL at Night
- Powerful night sensitivity up to 70M
- Intelligent IR Control
- Extended IR LEDs' life cycle and the sensitivity
- IR Sensitive mechanical Day/Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- IP67 Weatherproof
- Cable concealed thru bracket
- Installation with existing telephone cable up to 100M long
- Built-in DIP SW function (BLC, AGC, ATW/PUSH)
- 24VDC (incl. 24VDC/1.9A Adaptor)

Intelligent IR Control

The image reflected from the IR lights becomes WHITE from the conventional IR cameras. Visionhitech's new IR Compensation technology analyzes the light saturation and automatically optimizes the level to the objects being recognizable.

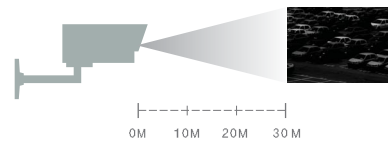


Powerful night sensitivity

This unit features an absolutely POWERFUL night vision performance capturing a clear and very bright image at pitch black '0' Lux darkness for at least 70 meter long distance. Used with an unique Visionhitech's IR Enhance technology, VN90HQX can see a clear image at least 2 times longer distance compared with conventional high quality Sony Ex-view cameras.

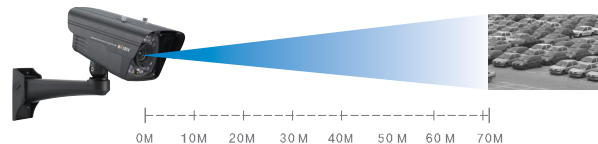
<Conventional Sony Ex-view IR cameras>

Darker image at even much shorter distance.



<VN90HQX>

Absolutely clear and bright image at even much longer distance.



Extended IR LEDs' life cycle and sensitivity

The VN90HQX adapts the Visionhitech's special IR life protection technology that extends the life cycle of IR LED's at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LEDs' performance is reduced day by day and finally burned to dead in short time period after the installation. Consequently the night vision performance of conventional cameras is seriously reduced within after several months of operation.



VN90HQX | Super Night vision Outdoor camera

Highly enhanced resolution of 560TVL(Day) & 600TVL(Night)

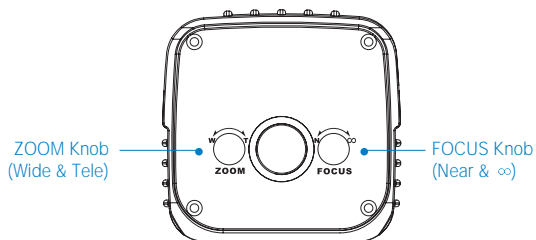
The image reflected from the IR lights becomes WHITE from the conventional IR cameras. Visionhitech's new IR Compensation technology analyzes the light saturation and automatically optimizes the level to the objects being recognizable.



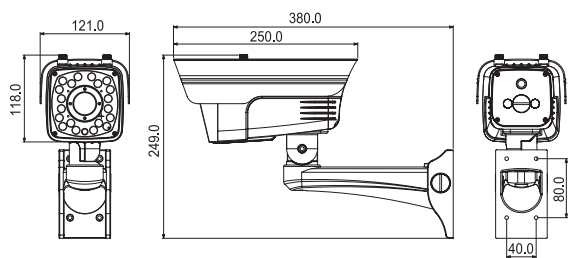
VN90HQX

Conventional

Zoom & Focus External adjustment



Dimension



MODEL	VN90HQX
Image sensor	1/3" Sony Ex-View HAD CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 560 TV Lines (Day) / 600 TV Lines (Night) PAL : 540 TV Lines (Day) / 580 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0Lux
Back Light Compensation	On / Off by Dip Switch
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$
White Balance	2,100°K ~ 9,100°K Auto
Gain Control	Nor / Max User selectable by S/W
Smear Effect	0.005%
Power source	24VDC
Operating current	100mA at 24VDC(IR "Off" Day) 520mA at 24VDC(IR "On" Night)
Iris Control	ALC/ESC
Lens	5 ~50mm Varifocal DC iris
Lens option	4 ~ 9mm/9~22mm Varifocal DC iris
Lens control	Zoom / Focus controllable externally
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Weatherproof rating	IP67
Measurement (mm)	121(W) x 249(V) x 380(L)
Weight (Approx.g)	3,800
IR Function	
IR Spectrum	850nm-Ø10 x 14° x 20ea or 850nm-Ø10 x 27° x 20ea
Viewable distance	Up to 70M at moonless night
MTBF of IR	20,000Hours

VN80SS-VFA50

Super Night Vision Outdoor camera



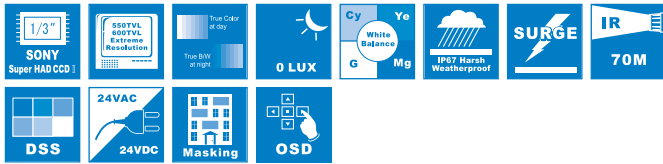
Product Information

VN80SS is a camera specially designed for the professional Day/Night surveillance.

At daytime, the camera features a 550TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removed) resulting in the resolution and sensitivity greatly enhanced.

The camera incorporates an Intelligent CDS sensor and mechanical day/night dual filter system so that the filter is accurately switched on and off with the image changed from Color to B/W and vice versa at a designated Lux level by OSD.

IR effective distance reaches up to 70 meters.



Key Features

- 1/3" Sony Super HAD CCD II
- SS-3 (Hightend:High quality & Multi-function)
- High resolution of 550 TVL at Day / 600 TVL at Night
- 4~9mm/9~22mm/5~50mm DC IRIS Lens
- Powerful night sensitivity
- Intelligent IR Control
- Extended IR LED's life cycle and the sensitivity
- IR Sensitive mechanical Day/Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- Cable concealed thru bracket
- Installation with existing telephone cable up to 100M long
- External Zoom & Focus Adjustment
- Focus External Adjustment
- IP67 Weatherproof
- 24VDC/24VAC Non-polarity power input

True Day & Night

The mode of image is instantly changed from Color at daytime to B/W at nighttime at a designated Lux level by OSD automatically. Combined with dual filter system built-in, this performance makes the camera produced a perfectly true color at day and a noiseless true B/W image at night.



True Color (Day)



Real B/W (Night)

Self focus compensation technology

The unit incorporates a self focus adjustment technology that precisely corrects the focus shift when IR illumination is activated at night. Smart capability of focusing at both day and night enables the camera to have an extreme resolution of over 550TVL(Day) and 600TVL(Night)



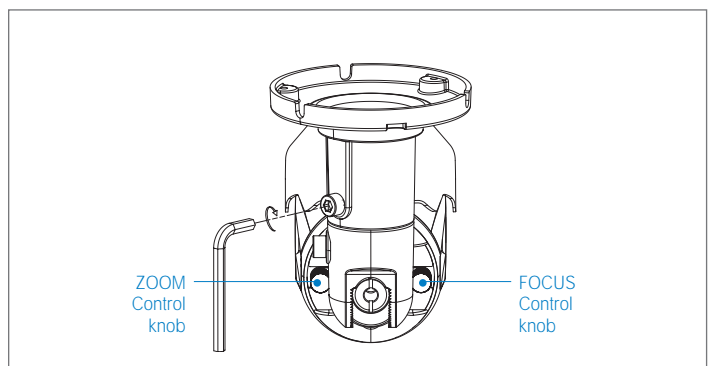
VN80SS



Conventional

Zoom & Focus External Adjustment

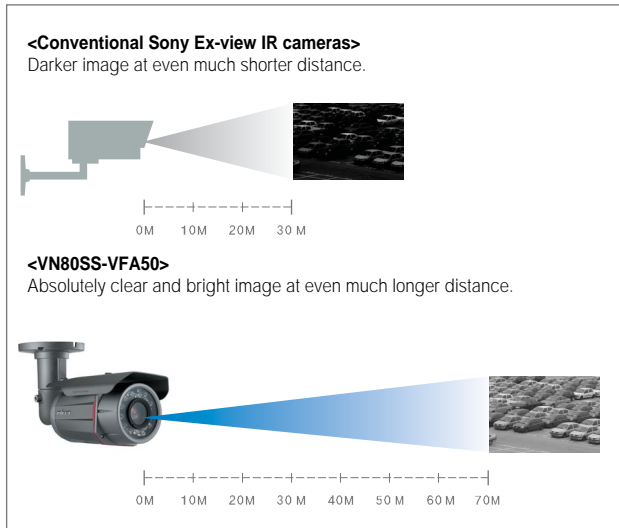
Moisture condensation and bad workmanship sometimes occur in the course of opening the housing to adjust focus. Our advanced external adjustment mechanism makes no reason to open the case and guarantees no possibility of condensation.



VN80SS-VFA50 | Super Night Vision Outdoor camera

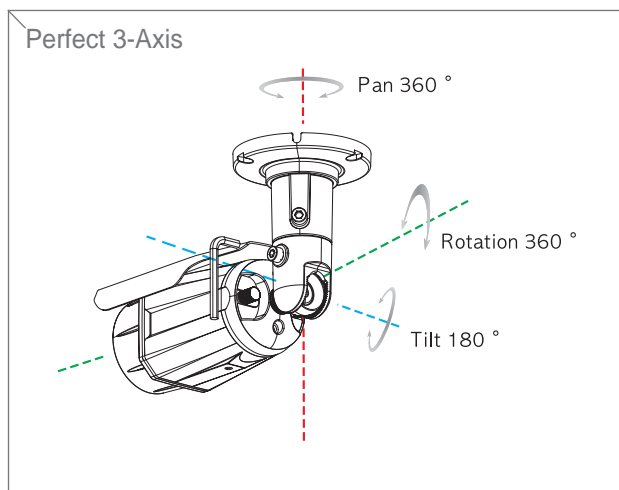
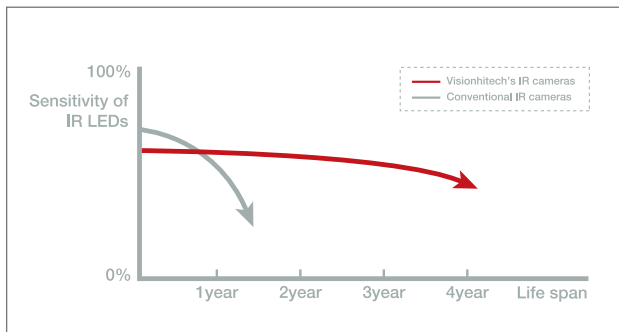
Powerful night sensitivity

This unit includes high impact infra-red LEDs as a standard capturing a clear and very bright image up to 70 meter long distance at pitch black "0" Lux darkness.

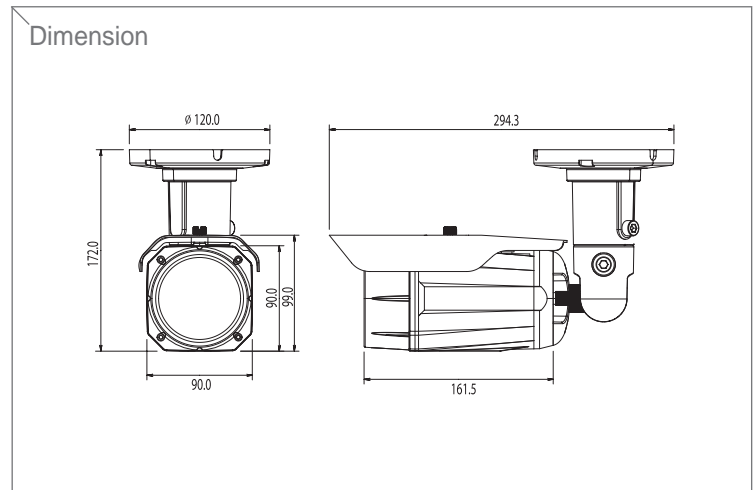


Extended IR LEDs' life cycle and sensitivity

The VN80SS-VFA50 adapts the Visionhitech's special IR life protection technology that extends the life cycle of IR LEDs at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LED's performance is reduced day by day and final burned to dead in short time period after the installation. Consequently the night vision performance of conventional cameras is seriously reduced within after several months of operation.



MODEL	VN80SS-VFA50
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 550 TV Lines (Day) / 600 TV Lines (Night) PAL : 540 TV Lines (Day) / 590 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0Lux
Back Light Compensation	On / Off by OSD
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma=0.45$
White Balance	2,100°K ~ 9,100°K Auto(ATW/Push Lock)
Gain Control	Standard: -6dB ~ 42dB Auto
Smear Effect	0.005%
Power source	24VDC/ 24VAC
Operating current	100mA at 24VAC(IR dff) 400mA at 24VAC(IR on)
Lens	5~50mm VF Auto DC iris lens
IR Spectrum	4~9mm / 850nm - Ø8 x 20° x 6ea, Ø10 x 27° x 14ea 9~22mm / 850nm - Ø8 x 20° x 6ea, Ø10 x 14° x 14ea
Viewable distance	Up to 70M at moonless night
MTBF of IR	20,000 hours
Iris Control	DC IRIS
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	120(W) x 172(V) x 294.3(L)
Weight (Approx.g)	2,700



Analog Camera

DVR

IP Camera

NVR

Accessories

VN80DZ-10

10x ZOOM Super Night Vision Outdoor Camera



Product Information

VN80DZ-10 is an Auto Focus Zoom lens built-in day/night camera specially designed for the professional Day/Night surveillance. With the built-in 10x(f3.8-38mm) optical zoom lens and Digital 10x zoom function, the camera provides 100 times of zoom capability.

The unit possesses a super bright sensitivity of 0.0007 Lux at color mode and an ICR built-in Day/Night mechanism. At daytime, the camera features a 500TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removed) resulting in the resolution and sensitivity greatly enhanced.

The camera incorporates an Intelligent CDS control technology that mechanical day/night filter accurately switched on and Off with the image changed between Color and B/W at 5 lux outdoor darkness.

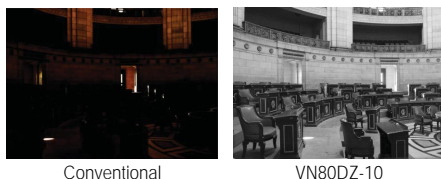


Key Features

- Digital Zoom Camera (Optical 10x plus Digital 10x)
- 1/4" Sony Super HAD CCD
- High resolution of 500 TVL at Day / 570 TVL at Night
- Greatly enhanced Sensitivity of 0.0007 Lux at F1.8
- IR Sensitive mechanical Day/Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- Accurate Day/Night perception
- RS-485 interface(Pelco-D)
- Installation with existing telephone cable up to 100M long.
- Easy to use OSD menu control
- Motion detection.
- Camera ID
- Sens-up (2x ~ 128x)
- Dynamic Noise Reduction (DNR)
- Privacy masking
- IP67 Weatherproof
- 24VDC/24VAC

Removable Motorized IR Cut Filter (ICR) Viewable at total darkness !

The image at daytime displays as True Color with IR Cut filter attached and turns to clear B/W (color signal removal) mode at night (True Day/Night). With ICR, it comes to IR sensitive that enables the camera to view the scene at total darkness.



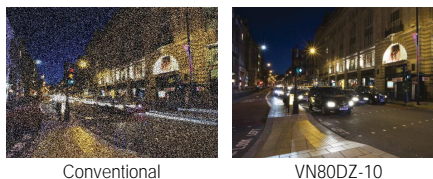
Precise Optical 10x & Digital 10x zoom

This unit incorporates A/F Optical 10 times zoom so that user can capture the clear view of up to 100 times closer when the image is magnified.



Dynamic Noise Reduction

This unit with built-in super DSP system can see the object very clear at even a starless dark night. In addition the built-in Dynamic Noise Reduction (DNR) removes noises and ghost effect to the picture quality greatly improved. It also saves the DVR's recording capacity up to 70%.



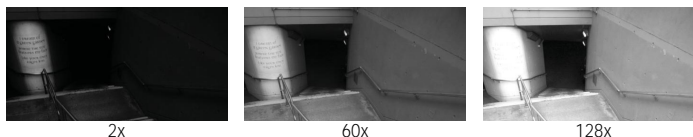
Privacy zone masking

When the unit is observing a wide area, the captured image can be masked for privacy purposes. Users can easily configure the size and position of the required privacy zones.



Sens-up function

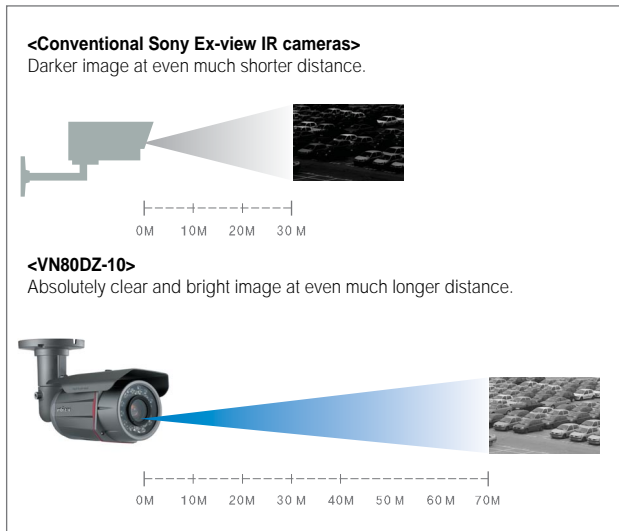
The Sens -up function allows the camera can display the bright image even in extreme darkness.



VN80DZ-10 | 10x ZOOM Super Night Vision Outdoor Camera

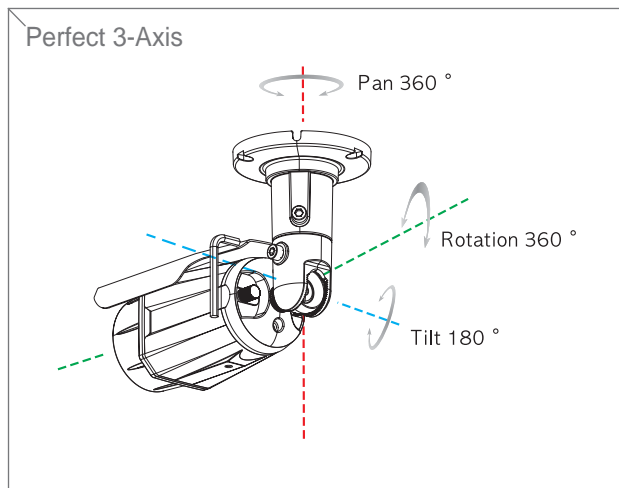
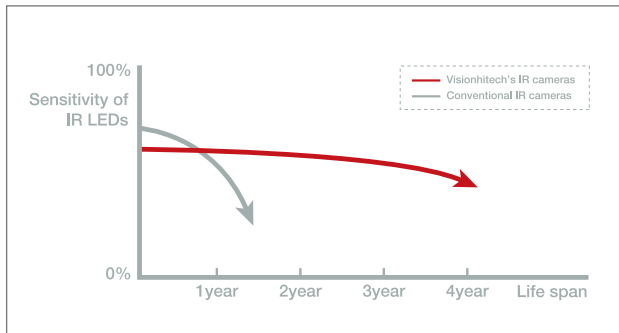
Powerful night sensitivity

This unit includes high impact infra-red LEDs as a standard capturing a clear and very bright image up to 70 meter long distance at pitch black "0" Lux darkness.

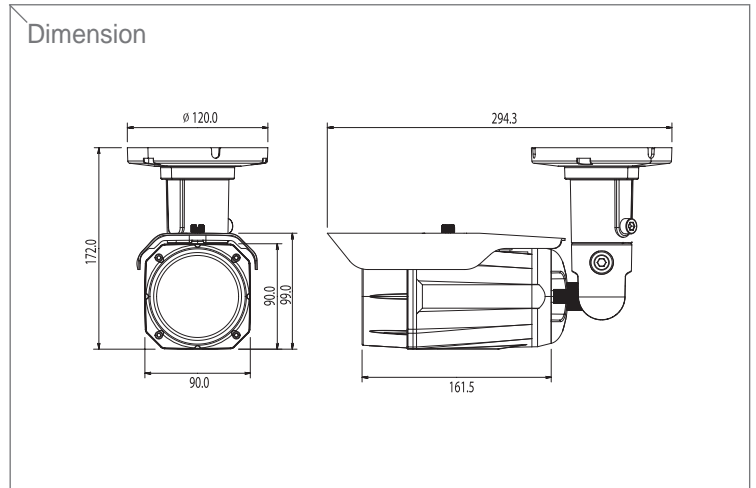


Extended IR LEDs' life cycle and sensitivity

The VN80DZ-10 adapts the Visionhitech's special IR protection technology that extends the life cycle of IR LEDs at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LED's performance is reduced day by day and finally burned to dead in short time period after the installation. Consequently the night vision performance of conventional cameras is seriously reduced within after several months of operation.



MODEL	VN80DZ-10
Image sensor	1/4" Sony Super HAD CCD
Effective Pixels	NTSC : 768 (H) x 494 (V) PAL : 752 (H) x 582 (V)
H.Resolution	500 TV Lines (Day) / 570 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2 : 1 Interlaced
Video output	1.0 Vp-p Composite e. 75 Ohms
S/N ratio	50 dB (AGC Off)
Min. illumination	0.0007 Lux at F1.8 (Sens-up)
OSD Menu	
Digital Zoom	On / Off (2x ~ 10x)
Day & Night	Color / B/W / Auto (ICR)
Back Light Compensation	Low / Middle / High / Off
Shutter Speed	Auto / Manual (NTSC : 1/60 ~ 1/120,000 sec.) (PAL : 1/50 ~ 1/120,000 sec.)
White Balance	ATW (Indoor : 3,000°K ~ 10,500°K, Outdoor : 1,800°K ~ 10,500°K) / AWC / Manual
Gain Control	Low / Middle / High / Off
Sens-up	Auto (2x ~ 128x) / Off
DNR	Low / Middle / High / Off
Communication	RS-485 interface(Pelco-D)
POWER	
Power source	24VDC / 24VAC
Operating current	DC : 140mA(IR "Off" at Day)/450mA(IR "On" at Night) AC : 130mA(IR "Off" at Day)/380mA(IR "On" at Night)
LENS	
Lens	Auto Focus Digital zooms
Zoom ratio	10x, f3.8 ~ 38mm (F1.8)
Min. focus distance	1.5M
Angle of view Lens initialization	Horizontal : Approx 52.2° (Wide) to 5.58° (Tele) Vertical: Approx 39.3° (Wide) to 4.27° (Tele)
Digital Zoom	On / Off (2x ~ 10x)
Operating	
Operating Temperature	14° F ~ 122° F (-10°C ~ +50°C)
Humidity	Within 90% RH
Weatherproof rating	IP67
Measurement (mm)	120 (W) x 172 (V) x 294.3 (L)
Weight (Approx.g)	3,000
Connection	Cable concealed thru Bracket
IR Function	
IR LED	10*(5Ø) x 32ea, 40*(5Ø) x 12ea
Viewable distance	Up to 70M at moonless night
MTBF of IR	20,000 Hours



VN73H-VL50/VL50W

Super Night Vision Outdoor Camera



White LED option

Product Information

VN73H-VL50/VL50W is 3D-DNR Super Night Vision Outdoor camera with high resolution of 560TVL. 3D-DNR realizes noiseless clear pictures in low light conditions by effectively eliminating any ghost effect. D-WDR (Digital Wide Dynamic Range) realizes high quality pictures by enhancing coloration, edging and contrast in dark areas when bright lighting comes in. HSBLC (Highlight Suppression BLC) realizes recognizing license plates at night by darkening selected highlights and brightening the darker portions by covering headlights with digitized masking which suppresses highlights from headlights. The external lens control of zoom and focus enables the user to easily and quickly adjust the lens. The IP67 rated body can endure under any harsh environmental conditions.

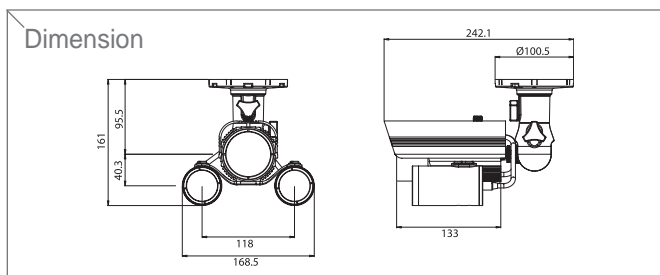
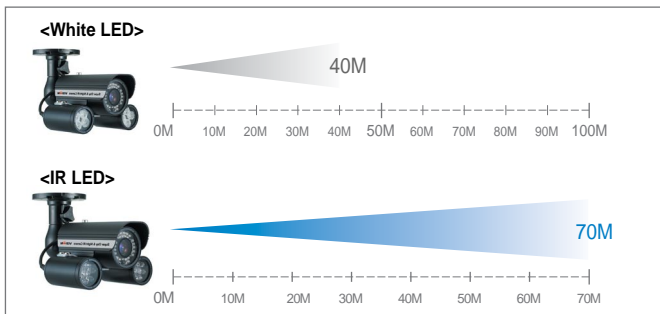


Key Features

- 1/3" Sony Super HAD CCD II
- High Resolution of 560TVL at Day / 600TVL at Night
- Easy-to-use OSD Functions
- 3DNR (3D Noise Reduction)
- DWDR (Digital Wide Dynamic Range)
- HSBLC (Highlight Suppression BLC)
- 4~9mm/9~22mm/5~50mm DC IRIS Lens
- 70M view(IR LED)/40M view(White LED)
- Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- Installation with Existing Telephone Cable Up To 100M Long
- RS-485 Interface(Pelco-D)
- Motion Detection
- DC24V/1.9A Adaptor Inclusion
- Focus External Adjustment
- IP67 Weatherproof
- 12VDC/24VAC Non-polarity Power Input

Powerful night sensitivity

This new night vision camera includes high impact infra-red LEDs as a standart capturing a clear and very bright image at pitch black 0' Lux darkness for up to 70 meter long distance.



MODEL	VN73H-VL50/VL50W	
Image sensor	1/3" Sony Super HAD CCD II	
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)	
H. Resolution	560 TV Lines(Color) / 600 TV Lines(BW)	
Synchronizing system	Internal	
Scanning system	NTSC : 525 Lines PAL : 626 Lines 2:1 Interlaced	
Video output	1.0Vp-p Composite 75 Ohms	
S/N ratio	More than 52dB (AGC Off)	
Min. Illumination	0Lux	
Shutter Speed	NTSC :1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.	
Gamma Correction	Standard $\gamma = 0.45$	
White Balance	2,000°K ~ 20,000°K Auto ATW / PUSH / MANUAL / AWC User selectable by OSD	
Gain Control	Standard : -6dB ~ 40dB Auto / Maximum by OSD	
Smear Effect	0.005%	
Power source	12VDC/24VAC Dual Power	
Operating current	140mA at 24VDC(IR "off" Day), 700mA at 24VDC(IR "On" Night) 90mA at 24VAC(IR "off" Day), 350mA at 24VAC(IR "On" Night)	
Lens	4~9mm/9~22mm/5~50mm Varifocal DC iris lens	
Lens Control	Zoom & Focus controllable externally	
IR Spectrum	Side : 850nm - Ø8X17°X12ea Illuminator : 850nm - Ø10X14°X9ea, Ø8X15°X5ea	
Iris Control	DC IRIS/Manual IRIS by OSD Function	
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)	
Measurement (mm)	168.5(W) x 161(V) x 242.1(L)	
Weight (Approx.g)	2,000	
Function		
BLC	Off / On (User selectable by OSD)	
3DNR	Off / On (User selectable by OSD)	
Sens-up	Off / 2x ~ 128x	
Motion Detection	On/Off (4 programmable zones)	
Digital Zoom	Off, On (x1 ~ x32)	
White Balance	ATW / PUSH / MANUAL / AWC User selectable by OSD	
Privacy Mask	On/Off (8 programmable zones)	
Illumination		
Camera	850mm/35ea	
Illuminator	IR	850nm Hi-power LED
	White	Visible Hi-power LED 8EA
Viewable distance	70M(IR LED)/40M(White LED)	
MTBF of LED	20,000 Hours	

NEW

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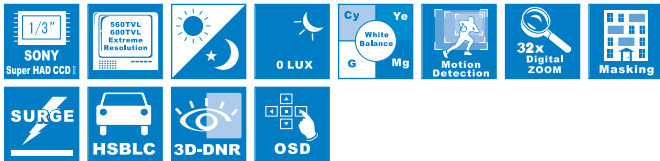
Product Information

VN70 II H is a super sensitive IR camera specially designed for a professional Day/Night surveillance with 3D adaptive Noise Reduction Filter and built-in HSBLC(Highlight Suppression BLC) technology.

This unit features absolutely powerful night vision performance with Visionhitech's IR enhanced technology, viewable up to 50M at a total darkness and can see a clear image at least 2 times longer distance compared with conventional high quality Sony Ex-view cameras.

This unit is passed IP67 test and guarantees moisture condensation free on the glass against any harsh weather condition.

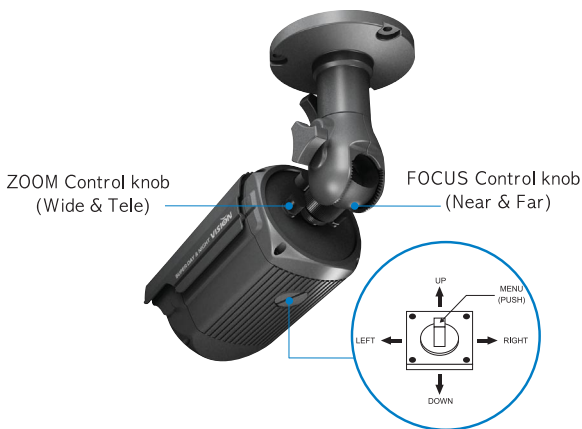
Cable concealed thru bracket and focus external adjustment make the maintenance user-friendly.



Key Features

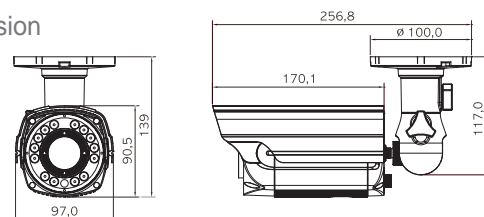
- 1/3" SONY Super HAD CCD II
- 560 TVL at Day / 600 TVL at night
- 3DNR (3D Noise reduction)
- HSBLC (Highlight Suppression BLC)
- Privacy zone (8 zones)
- Motion detection zone (4 zones)
- Surge voltage input protection built-in
- RS-485 interface(Pelco-D)
- Multi-lingual OSD menu
- 12VDC, 12VDC / 24VAC dual power (Non-polarity power input)
- Tool-free 3-Axis

Zoom & Focus External adjustment



MODEL	VN70 II H
Image sensor	STD : 1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	NTSC : 560TV Line(Day) / 600TV Line(Night) PAL : 550TV Line(Day) / 590TV Line(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. illumination	0Lux
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$ (OSD)
White Balance	2,000°K ~ 20,000°K Auto
Gain Control	Standard : 6dB ~ 40dB, Off / Low / Middle / High
Smear Effect	0.005%
Power source	12VDC, 12VDC / 24VAC Dual Power
Operating current	120mA at 12VDC(IR off), 520mA at 12VDC(IR on) 90mA at 24VAC(IR off), 400mA at 24VAC(IR on)
Iris Control	DC / MANUAL
Lens	5-50mm VF Auto DC Iris Lens
Lens Option	2.8-12mm/4-9mm/9-22mm VF Auto DC Iris Lens
Operating Temperature	14 °F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement(mm)	97(W) x 90.5(V) x 256.8(L)
Weight (Approx.g)	2,200
Function	
White Balance	ATW / PUSH / MANUAL/AWC
Sens-up	x2 ~ x128
Privacy Masking	Off / On (8 programmable zones)
Motion Detection	Off / On (4 zones)
Digital zoom	Off / On (x1 ~ x32)
3DNR	Off / On

Dimension



Analog Camera

DVR

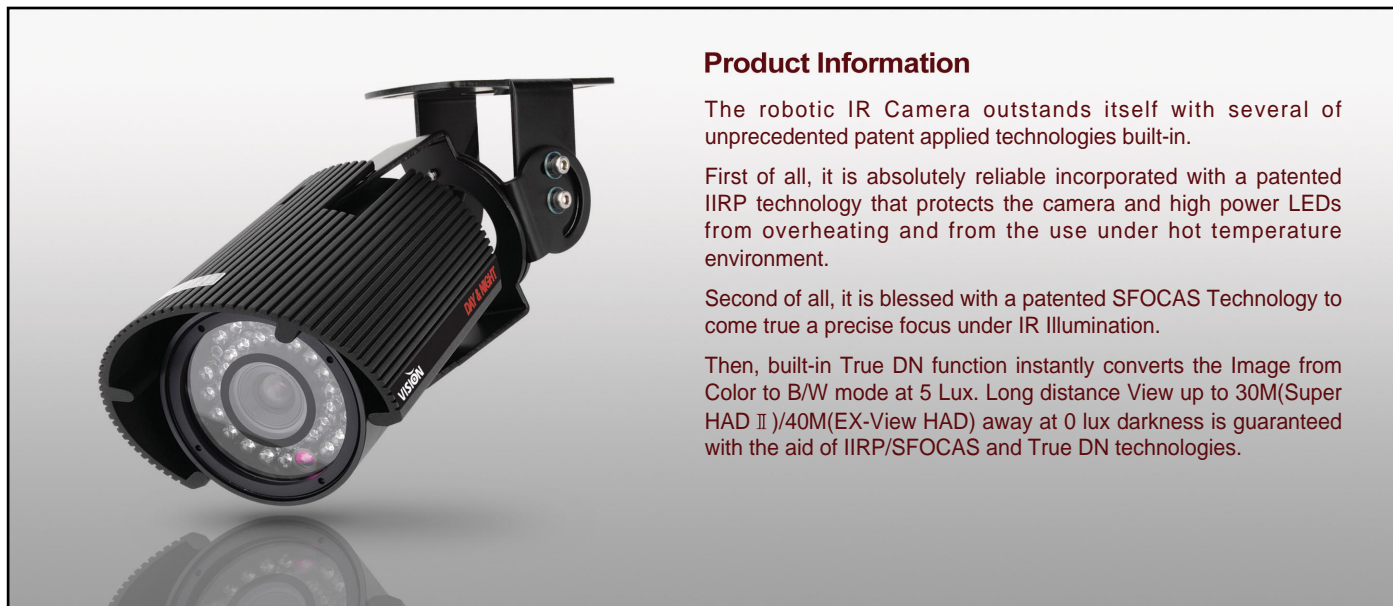
IP Camera

NVR

Accessories

VN70HQ

Long range IR Bullet camera



Product Information

The robotic IR Camera outstands itself with several of unprecedented patent applied technologies built-in.

First of all, it is absolutely reliable incorporated with a patented IIRP technology that protects the camera and high power LEDs from overheating and from the use under hot temperature environment.

Second of all, it is blessed with a patented SFOCAS Technology to come true a precise focus under IR Illumination.

Then, built-in True DN function instantly converts the Image from Color to B/W mode at 5 Lux. Long distance View up to 30M(Super HAD II)/40M(EX-View HAD) away at 0 lux darkness is guaranteed with the aid of IIRP/SFOCAS and True DN technologies.



Key Features

- 1/3" Sony Super HAD CCD II/ EX-View HAD CCD sensor
- Long distance nighttime surveillance at 0 Lux
 - Within 2 ~ 30M distance at night - Super HAD II
 - Within 2 ~ 40M distance at night - Ex-view HAD
- Extremely Higher resolution
 - 560TVL(Color mode) to 600TVL(BW mode)
- Very accurate color reproduction with 10 bit A/D Process
- Extremely clear focus at both Day and Night (No focus shift)
- DIP SW functions
- Surge power input protection built-in
- Automatic image conversion from Color to BW (True DN)
- Intelligent IR Protection technology built-in (IIRP)
- IR cut/pass dual filter built-in (Removable Filter)
- Automatic LED On / Off
- Perfect Weatherproof (IP67)

True Day & Night

The mode of image is instantly changed from Color at daytime to BW at nighttime at 5 lux darkness automatically. Combined with dual filter system built-in makes the camera produced a perfectly true color at day and a noiseless true BW image at night.



True Color (Day)



Real B/W(Night)

Long IR Visible Range

The camera captures a clear image at 0 Lux night within the distance of 2 ~ 30 M with Super HAD II sensor (2 ~ 40M with Ex-View sensor).

Self focus compensation technology

The unit incorporates a self focus adjustment technology that precisely corrects the focus shift when IR illumination is activated at night. Smart capability of focusing at both day and night enables the camera to have an extreme resolution of 560TVL(Day) and 600TVL(Night).



VN70HQ Series



Conventional

Intelligent IR Protection technology(IIRP)

The model incorporates an IR LED protection technology that intelligently prevents IR LEDs from burning out after long time use and maintains the performance of IR LEDs for extremely long time.

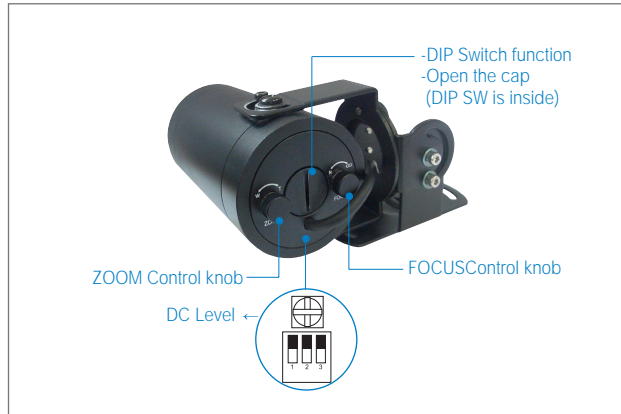
Self configured Synchronizing system

The unit builds in highly efficient switching power control. Double insulated power design guarantees no ground loop when used with multiple cameras and system equipment together through one power source.

VN70HQ | Long range IR Bullet camera

External Focus Adjustment and Dip SW setting

Moisture condensation and bad workmanship sometimes occur in the course of opening the housing to adjust focus and Dip SW setting. Our advanced external adjustment mechanism makes no reason to open the case and guarantees no possibility of condensation.



A variety of lens mount available

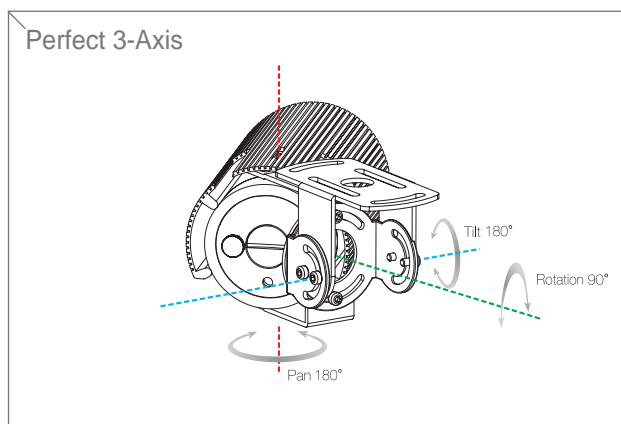
The unit builds in 4mm ~ 9mm varifocal zoom lens as a standard for a wide coverage of unexpected focal distance and various angle of view at event area. It is very convenient as there is no need to change the camera or the lens at the installation. Users can adjust the exact focal distance to set up the best quality picture on the security position. For experienced installers, fixed focal distance is enough for some cases. The model can be with a different range of varifocal lens such as 2.6 ~ 6mm, 9 ~ 22mm as an option. It is compatible with a variety of different angle range from wide to narrow by the request.

IP67 Weatherproof

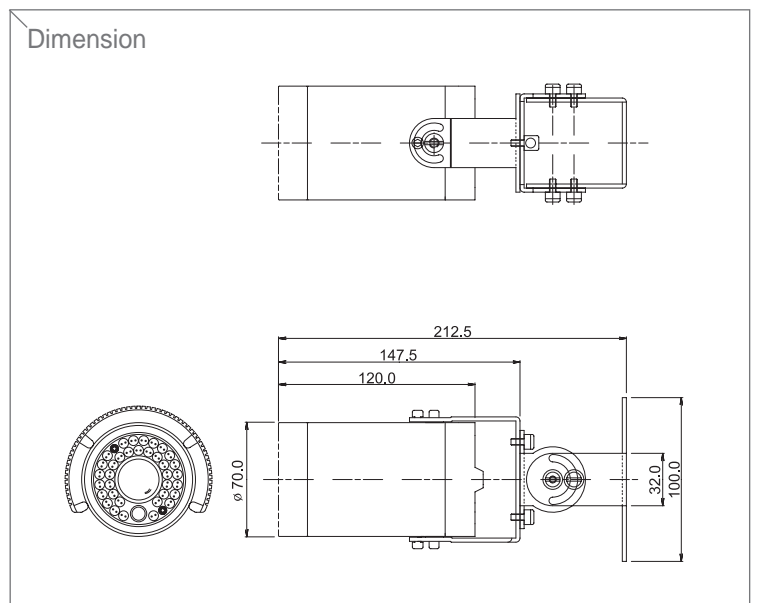
The unit is duly passed IP67 international weatherproof standard, allowing the camera to be operated safely from even extremely harsh water storming weather condition.

Extremely reliable Power control

The model adopts a power safety technology to prevent it from overheating. It is remarkable that the unit doesn't generate heat at all. Generally LED cameras generate too much heat and it hurts the life cycle of LED and CCD sensor. It is regarded as natural having no alternative before. This unit provides a clear solution for a trouble-free and powerful True Day & Night LED camera.



MODEL	VN70HQ
Image sensor	1/3" Sony Super HAD CCD II/Ex-view HAD CCD
Effective Pixels	NTSC : 752(H) x 582(V) PAL : 768(H) x 494(V)
H.Resolution (TRUE DN)	560 TV Lines : NTSC , 600TV Lines : PAL - Color at Day 550 TV Lines : NTSC , 590 TV Lines : PAL - BW at Night
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0 Lux
BLC	On / Off (with DIP SW)
White balance	2,100°K ~ 9,100°K Auto
Gain Control	0dB ~ 32dB Auto
Gamma correction	$\gamma = 0.45$
Smear effect	0.005%
Shutter speed	NTSC : 1/60 ~ 1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
LED spectrum	850nm visible IR LED x 36EA
IR beam distance	2 ~ 30M(Super HAD II) / 2 ~ 40M(Ex-view HAD)
IR LED'S MTBF	20,000 hours
Power source	12VDC 24VAC
Operation current	550mA w/regulated 12VDC in 220mA w/regulated 24VAC in
Lens	Standard : 4 ~ 9mm Varifocal DC iris lens Option : 2.6 ~ 6mm Varifocal DC iris lens 9 ~ 22mm Varifocal DC iris lens
Operating Temp.	14°F~122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Output Terminal	60cm + 1.2M DIY 4 pin DIN Waterproof cable with BNC-Fe for Video, 2 Pin terminal conn. for Power
Measurement (mm)	70(D) x 120(L) w/o Hood
Weight(Approx.g)	1,800
Optional Feature 1	Invisible IR LED (940nm IR)
Optional Feature 2	External Audio with C-Microphone " - 35dB / mV "



VN60CSHR-VFIR

True Day & Night IR Camera



Product Information

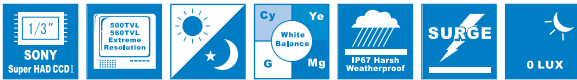
VN60CSHR is a fashionable True Day/Night IR camera with IP67 weatherproof design. Thanks to IR Cut Filter Removable(ICR) mechanism and long range(850nm) IR LED x 20ea, the visible range is up to 20M at 0 Lux darkness and this unit precisely corrects the focus shift under IR illumination.

Automatic image conversion from Color to BW at 5 lux darkness removes the color signal noises for clear picture and enhances the resolution up to 560TVL at night.

Built-in IR LED protection technology intelligently prevents IR LEDs from burning out and extends the performance of IR LEDs for extremely long time.

User friendly design used with focus external adjustment and 4pin Din waterproof connection makes this unit much more valuable.

The unit is passed IP67 test and guarantees moisture condensation-free on the glass in any harsh weather conditions.

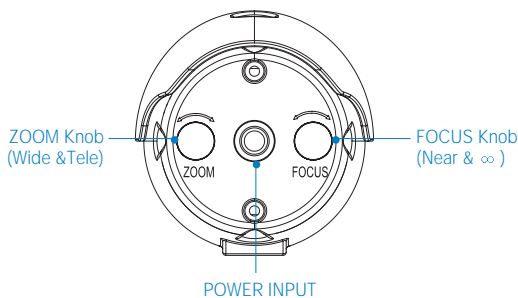


Key Features

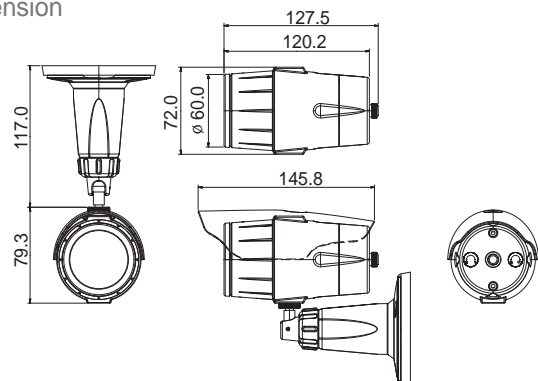
- 1/3" Sony Super HAD CCD II
- True Day & Night(ICR)
- Very Accurate IR LED On/Off & CDS control
- High resolution of 500TVL(Day) / 560TVL(Night)
- Viewable distance up to 20M at "0" Lux darkness
- Automatic IR On / Off
- Zoom & Focus External adjustment
- Extremely clear focus at both Day and Night(No focus shift)
- 4~9mm(9~22mm) Varifocal lens
- Intelligent IR Protection technology built-in
- Surge power input protection built-in
- No heat !
- Weatherproof(IP67)
- 12VDC
- 24VAC available(option)

MODEL	VN60CSHR-VFIR
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 500 TVL (Day) / 560 TVL (Night) PAL : 490 TVL (Day) / 550 TVL (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.1 Lux / F1.6
Shutter Speed	NTSC : 1/60 ~ 1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$
White Balance	2,100°K ~ 9,100°K Auto
Gain Control	0dB ~ 32dB Auto
Smear Effect	0.005%
IR LED	850nm x 20 LEDs
Beam distance	20M
Power source	12VDC
Operating current	120mA (Day, IR Off), 340mA (Night, IR On)
MTBF	20,000 Hours
Lens (standard)	4 - 9mm Varifocal lens
Lens (Option)	9 - 22mm Varifocal lens
Operating Temp	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	within 90% RH
Measurement	60(D) x 127.5(L)
Weight(Approx g)	960

Function



Dimension



VN55CSHR Outdoor IR Camera



Product Information

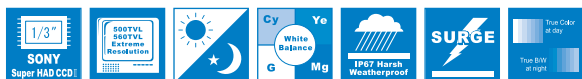
VN55CSHR is a high sensitive Day/Night IR camera suitable for both indoor and outdoor application with IP67 weatherproof design. Used with Sony Super HAD CCD II sensor and long range(850nm) Infra-red LED x 50ea, The unit can view up to 30M at 0 Lux darkness.

Automatic image conversion from Color at to BW at 5 lux darkness removes the color signal noises for clear picture and enhances the resolution up to 560TVL at night.

The model has a smart self-focus adjustment technology that precisely corrects the distorted focus under IR illumination.

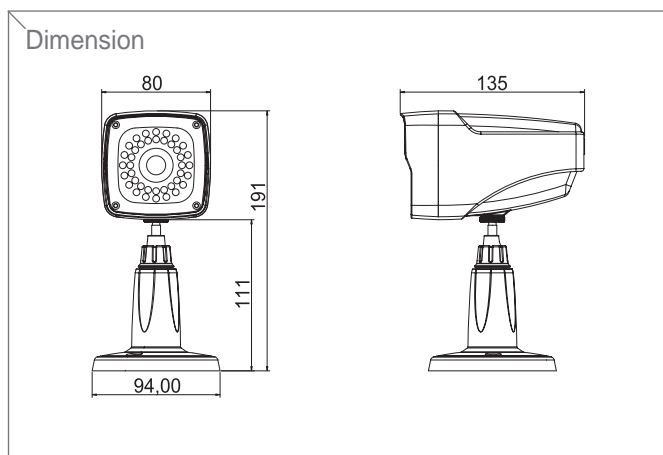
Built-in IR LED protection technology intelligently prevents IR LEDs from burning out and extends the performance of IR LEDs for extremely long time.

The unit is passed IP67 test and guarantees moisture condensation-free on the glass in any harsh weather condition.



Key Features

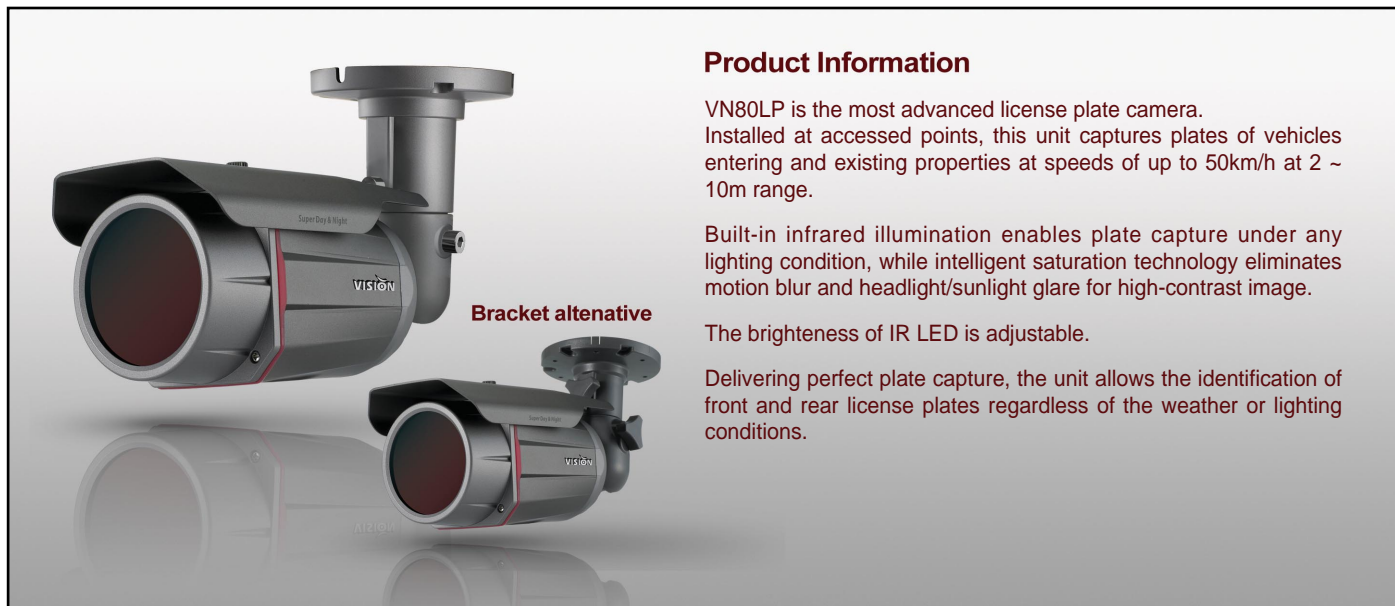
- 1/3" Sony Super HAD CCD II
- High resolution of 500 TVL (Day) & 560TVL (Night)
- Clear focus at night with Anti-IR focus distortion technology built-in
- IR sensitive BW switching at night & true color at day
- Extremely reliable IR Protection technology
- Long Viewable distance up to 30M at "0" Lux darkness
- No heat !!
- Automatic LED On/Off
- Weatherproof (IP67)
- 12VDC
- 24VAC available(option)



MODEL	VN55CSHR	VN56CS
Image sensor	1/3" Sony Super HAD CCD II	
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)	NTSC : 512(H) x 492(V) PAL : 500(H) x 582(V)
H.Resolution	500 TVL(Day) / 560TVL(Night)	400 TVL(Day) / 420 TVL (Night)
Sync. system	Internal	
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced	
Video output	1.0Vp-p Composite. 75 Ohms	
S/N ratio	More than 50 dB (AGC Off)	
Min. illumination	0.1 Lux at F2.0 w/o LED, 0 Lux with LED	
BLC	Automatic	
White balance	2,100°K ~ 9,100°K Auto	
Gain Control	-1dB ~ 32dB Auto	
Gamma correction	$\gamma = 0.45$	
Smear effect	0.005%	
Shutter speed	NTSC : 1/60 ~ 1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.	
LED spectrum	850nm x 50 LEDs	850nm x 35 LEDs
IR beam distance	2 ~ 30M	2 ~ 25M
MTBF	20,000 hours	
Power source	12VDC	
Operation current	620mA or less	500mA or less
Lens Standard	3.6mm(92°)	
Lens Option	4.3 mm (78°), 6.0mm(54°), 8.0mm(39°)	
Operating Temp.	14°F~122°F (~ 10°C ~ +50°C)	
Humidity	Within 90% RH	
Measurement (mm)	80(W) x 80(V) x 135(L)	
Weight (Approx.g)	960 Incl. Bracket	

VN80LP

License Plate Capture Camera



Product Information

VN80LP is the most advanced license plate camera. Installed at accessed points, this unit captures plates of vehicles entering and existing properties at speeds of up to 50km/h at 2 ~ 10m range.

Built-in infrared illumination enables plate capture under any lighting condition, while intelligent saturation technology eliminates motion blur and headlight/sunlight glare for high-contrast image.

The brightness of IR LED is adjustable.

Delivering perfect plate capture, the unit allows the identification of front and rear license plates regardless of the weather or lighting conditions.

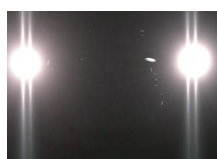


Key Features

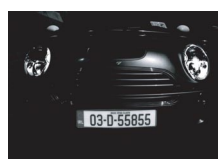
- 1/3" Sony B/W Ex-View CCD
- High resolution of 600TVL
- 16mm Lens delivers images from 10m capture
- Capture plates from vehicles moving up to 50Km
- Extended IR LEDS life cycle and sensitivity
- IR LEDS brightness external adjustment
- Cable concealed thru bracket
- Installation with existing telephone cable up to 100M long
- IP67 Weatherproof
- 24VDC/24VAC (Non-polarity power input)

MODEL	VN80LP
Image sensor	1/3" Sony B/W Ex-View CCD
Effective pixel	EIA : 768 (H) X 494 (V) CCIR : 752 (H) X 582 (V)
H.Resolution	EIA : 600 TV Lines CCIR : 580 TV Lines
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite . 75 Ohms
S/N ratio	50 dB (AGC Off)
Min.illumination	0 Lux
Shutter Speed	1/1,000 sec.
Gamma correct on	Standard $\gamma = 0.45$
Power source	24VDC / 24VAC
Operating current	Normal : 180mA Max : 380mA
IR Spectrum	850nm- \varnothing 8 x 14° x 22ea
Capture Range	2 ~ 10M
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Weatherproof rating	IP67
Measurement (mm)	120 (W) X 172 (V) X 294 .3 (L)
Weight (Approx.g)	2,750

Performance image

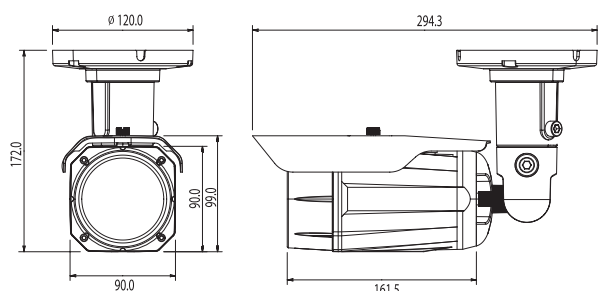


Conventional

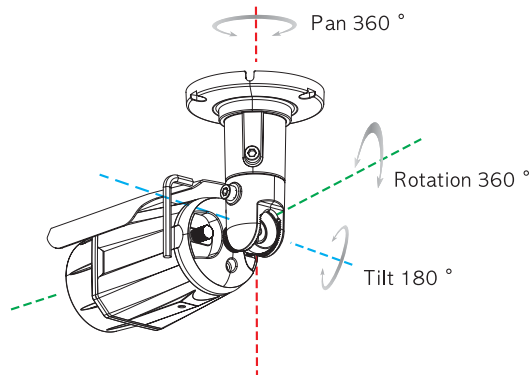


VN80LP

Dimension



Perfect 3-Axis



NEW



Product Information

VN70LP is the most advanced license plate camera. Installed at accessed points, this unit captures plates of vehicles entering and existing properties at speeds of up to 50km/h at 2 ~ 10m/2-20m range.

Built-in infrared illumination enables plate capture under any lighting condition, while intelligent saturation technology eliminates motion blur and headlight/sunlight glare for high-contrast image.

The brightness of IR LED is adjustable.

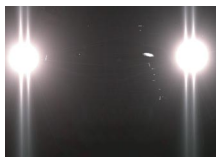
Delivering perfect plate capture, the unit allows the identification of front and rear license plates regardless of the weather or lighting conditions.



Key Features

- 1/3" Sony B/W Ex-View CCD
- High resolution of 600TVL
- 16mm Lens delivers images from 10m capture
- Option : 35mm Lens delivers images form 20m capture
- Capture plates from vehicles moving up to 50Km
- Extended IR LEDS life cycle and sensitivity
- IR LEDS brightness external adjustment
- Cable concealed thru bracket
- Installation with existing telephone cable up to 100M long
- IP67 Weatherproof
- 24VDC/24VAC (Non-polarity power input)

Performance image



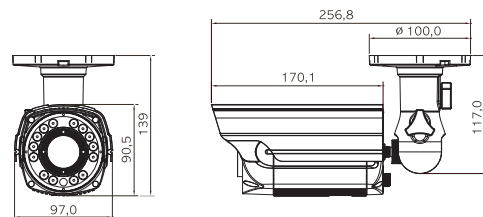
Conventional



VN70LP

MODEL	VN70LP
Image sensor	1/ 3" Sony B/W Ex-View CCD
Effective pixel	EIA : 768 (H) X 494 (V) CCIR : 752 (H) X 582 (V)
H.Resolution	EIA : 600 TV Lines CCIR : 580 TV Lines
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2 :1 Interlaced
Video output	1.0Vp-p Composite . 75 Ohms
S/N ratio	50 dB (AGC Off)
Min.illumination	0 Lux
Shutter Speed	1/1,000 sec.
Gamma correct on	Standard $\gamma = 0.45$
Power source	24VDC / 24VAC
Operating current	Normal : 180mA Max : 380mA
IR Spectrum	850nm-Ø8 x 14° x 14ea
Capture Range	2 ~10M/16mm lens, 2 ~20M/35mm lens
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Weatherproof rating	IP67
Measurement (mm)	97(W) x 90.5(V) x 256.8(L)
Weight (Approx.g)	2,200

Dimension



VPD370WD/VPD330WD

Wide Dynamic, 37x/33x Zoom Speed Dome Camera



Outdoor



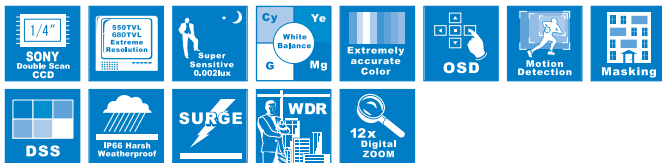
Indoor

Product Information

VPD370WD is a high performance Turbo Speed Dome camera. Enhanced with a perfect mechanism and latest technologies, the camera delivers a superior Auto Focus control under the free angle PTZ in operation, accurate movement and stop after the long term use of preset touring and high speed zoom and focus for capturing moving objects.

Newly developed super DSP built-in, high performance 37x optical zoom module, enables the camera to have many unique and superior functions, such as higher than 550TVL resolution, absolutely best sensitivity of 0.7Lux in color mode, 128x Super WDR etc.

Built-in ICR (Infra-red Cut filter Removable) makes the unit sensitive to IR combined surveillance for viewing long distance at total darkness and to deliver a noiseless B/W image with increased 680TVL. In daytime the image displays as purely natural color.



Key Features

- 1/4" Color vertical Double Density CCD
- True Day/Night(ICR)
- Extremely high sensitivity of 0.7Lux in color mode
- Optical 37x Zoom (3.5mm~129.5mm)/VPD370WD
- Optical 33x Zoom (3.5mm~115.5mm)/VPD330WD
- 360° endless rotation. (Max. 500°/sec.)
- 128x Presets and versatile auto functions
- 128x WDR
- Digital 12x Zoom
- Digital Flip Over
- 8x Privacy zones
- Sensor 4x Inputs /2x outputs
- RS-485 interface(PELCO-D,P)
- Intelligent and Precise Mechanism
- Advanced 3D filtering Digital Noise reduction

Dynamic and precise AF control

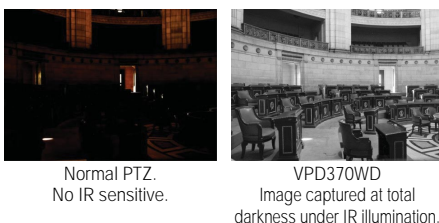
The camera can trace and pick up the object moving away fast from the scene with powerful 444 times zoom and greatly improved Auto Focus control.



Removable Motorized IR Cut Filter (ICR)

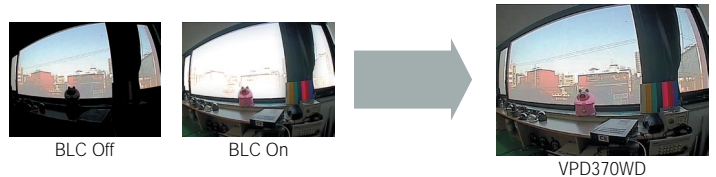
Viewable at total darkness !

The image at daytime displays as True Color with IR Cut filter attached and turns to clear B/W (color signal removal) mode at night (True Day/Night). With ICR, it comes to IR sensitive that enables the camera to view the scene at total darkness.



Super Wide Dynamic (sWDR)

With new powerful DSP system integrated, it makes 128 times upgraded backlight compensation than that of existing BLC system.



High resolution of 550TVL(D)/680TVL(N)

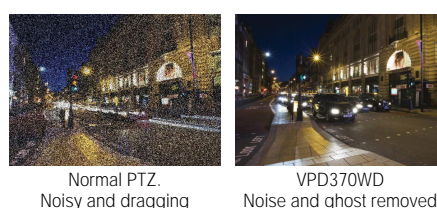


Powerful 33x / 37x optical zoom



Extremely upgraded sensitivity of 0.002 Lux

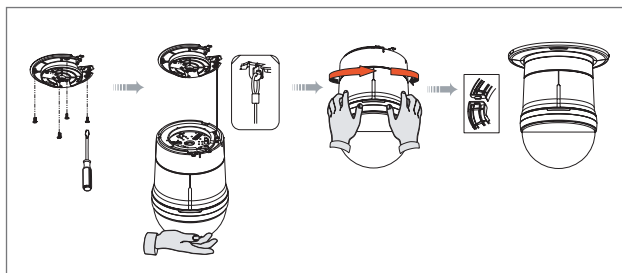
Clearly different from conventional PTZ, this dome, with built-in Super DSP system can see the object very clear at even a starless dark night. In addition the built-in 3D filtering Digital Noise Reduction removes noises and ghost effect to have the picture quality greatly improved. It also saves the DVR's recording capacity up to 70%.



VPD370WD/VPD330 | Wide Dynamic, 37x Zoom Speed Dome Camera

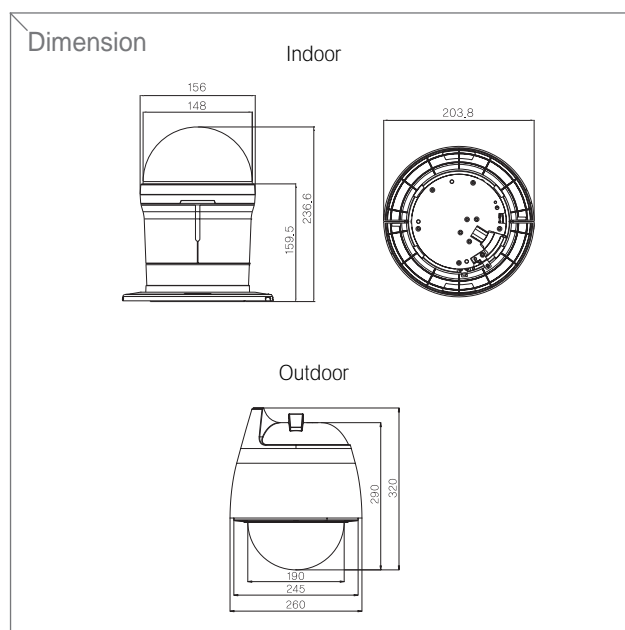
Quick and Easy installation

Dome base is separated and easily mounted on the ceiling first and the main body is simply hooked on it with no tool by hand. Complicated cable connection is not additionally required with the built-in one-stop connection mechanism.



Easy-to-use OSD Menu

Used with On Screen Display, user can adjust the Menu according to its application with ease.



MODEL	VPD370WD/VPD330WD
Image sensor	1/4" Sony Double Scan
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	550 TV Lines (Day) / 680 TV Lines (Night)
Synchronizing system	Internal
Scanning system	2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.7Lux at F1.6 (Color), 0.002Lux(Sens-up, 256x) 0.06Lux at F1.6 (B/W)
OSD	On / Off
Digital zoom	On / Off (2x, 4x, 8x, 10x, 12x)
S/N Ratio	50dB (AGC Off, Weight On)
Day & Night	Color / B/W / Auto (ICR)
Back Light Compensation	WDR / BLC / HLC / Off
Shutter Speed	Auto / Manual (NTSC : 1/60 ~ 1/120,000sec., PAL : 1/50 ~ 1/120,000sec.)
White Balance	AWC / Manual / ATW (1,800°K ~ 10,500°K)
Gain Control	Low / Middle / High / Off
Sens-up	On / Off (2x ~ 256x)
SSNR	Low / Middle / High / Off
Privacy	On / Off (8 programmable zones)
Preset	256 points
Digital Flip	On / Off
Focus control	Auto / Manual / One push
Iris control	Auto / Manual
Motion detection	On / Off (Built-in alarm output connector)
Protocol	RS-485 interface(Pelco-D, P)
Power source	24VAC
Operating current	20W Max.
Lens	Auto Focus Digital zoom
Zoom ratio	37x : f3.5~129.5mm (F1.6)/33x : 3.5~115.5mm(F1.6)
Angle of view	37x - H : 55.5(Wide) ~ 1.59(Tele), V : 42.5(Wide) ~ 1.19(Tele) 33x - H : 56.3 (Wide) ~ 1.77(Tele), V : 43.2(Wide) ~ 1.33 (Tele)
Aperture ratio	37x - F.1.6 ~ F.3.9 / 33x - F.1.6 ~ F.3.6
Pan/Tilt angle	Pan : 360° (500° / sec) / Tilt : -4° ~ 184° (500° / sec)
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Heater option(Outdoor)	-40°F ~ 122°F(-40°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	156(Ø)x 236.6(H)
Weight (Approx.g)	3,500(Indoor) / 5,500(Outdoor)

ACCESSORY

Wall mount



VHM-370WM

Pendant mount



VHM-370PM

Corner mount



VHM-370COR

Pole mount



VHM-370PO

Parapet mount



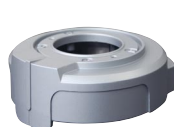
VHM-370PAR

Outdoor housing



VPD370-OH

Indoor adapter



VHM-370WA

In-ceiling Mount



VHM-370IC

VPD100

10x Zoom Mini Speed Dome camera



Product Information

VPD100 is a high performance Mini Speed Dome camera which reproduces an extremely clear picture and a various PTZ function.

Used with Auto Focus(A/F) 10x Optical zoom, this unit can precisely adjust a focus. It reproduces a purely natural color at day and extremely low light performance up to 0.0007 Lux at night. Various Presets make the unit possible to watch out for a board area effectively.

Built-in ICR(IR Cut Filter Removable) makes the unit sensitive to IR combined surveillance for viewing a long distance at total darkness and viewable a noiseless B/W image with increased 570TVL.



Key Features

- 1/4" Sony Super HAD CCD
- High resolution of 520TVL(Day) / 570TVL(Night)
- Extremely high sensitivity of 0.0007 Lux
- Dynamic Noise Reduction(DNR)
- Optical 10x Zoom(f3.8mm~38mm)
- Digital 2x ~ 10x Zoom
- 360° endless rotation(Max. 240° /sec.)
- 64 Presets & a various automatic surveillance
- 4 Privacy masking zones
- Sens-up(2x~128x)
- Intelligent & precise mechanism
- 4 Sensor Input
- RS-485 Remote control(Pelco-D/P)
- 12VDC, 24VDC/24VAC

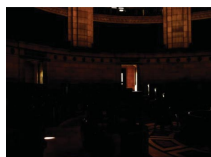
64 Presets & various automatic surveillance

Presets up to 64 points, Group surveillance and Tour set enable user to use this unit conveniently and effectively.



Removable Motorized IR Cut Filter (ICR) Viewable at total darkness !

The image at daytime displays as True Color with IR Cut filter attached and turns to clear B/W (color signal removal) mode at night (True Day/Night). With ICR, it comes to IR sensitive that enables the camera to view the scene at total darkness.



Normal PTZ.



VPD100

High resolution clear image of 520TVL(D)/570TVL(N)

This unit realizes a high resolution of 520TVL using high performance CCD image sensor & DSP chip and an extremely outstanding clear vivid color image and 570TVL Noiseless B/W image.



520TVL (Day)



570TVL (Night)

Precise Optical 10x & Digital 10x zoom

This unit incorporates A/F Optical 10 times zoom so that user can capture the clear view of up to 100 times closer when the image is magnified.



Full Screen



10x

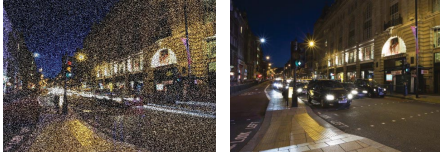
Quick and Easy installation

Intelligent design makes this unit installed quickly and easily.

VPD100 | 10x Zoom Mini Speed Dome camera

Extremely upgraded sensitivity of 0.0007 Lux

Clearly different from conventional PTZ, this dome, with built-in Super DSP system can see the object very clear at even a starless dark night. In addition the built-in Dynamic Noise Reduction (DNR) removes noises and ghost effect to have the picture quality greatly improved. It also saves the DVR's recording capacity up to 70%.



Normal PTZ.

VPD100

Privacy zone masking

When the unit is observing a wide area, the captured image can be masked for privacy purposes. Users can easily configure the size and position of the required privacy zones.



Sens-up function

The Sens-up function allows the camera can display the bright image even in extreme darkness.



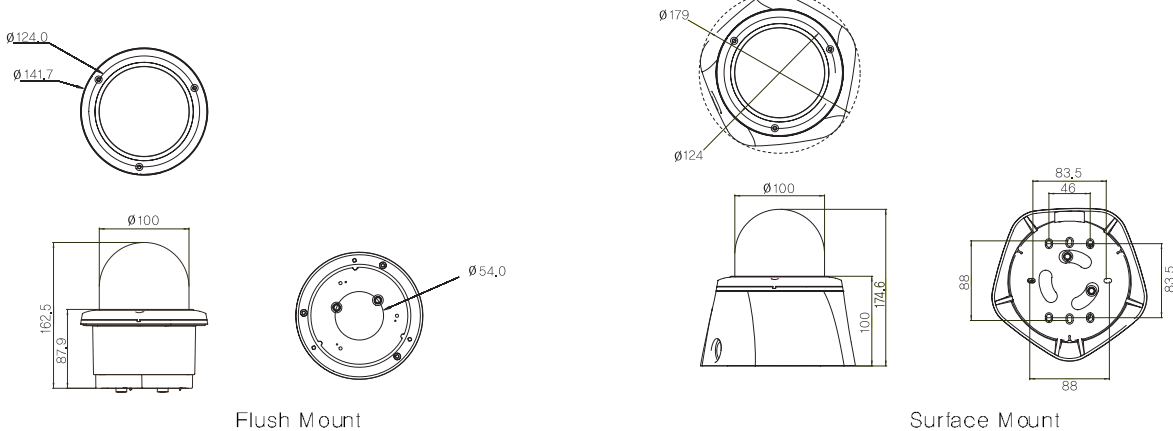
2x

60x

128x

MODEL	VPD100
Image sensor	1/4" Sony Super HAD CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
Scanning system	NTSC : 525Line PAL : 625Line 2 : 1 interlaced
Frequency	NTSC : 15.734KHz(H), 59.94Hz(V), PAL : 15.625KHz, 50Hz(V)
H.Resolution	520TV Line(Color) / 570 TV Line(B/W)
Video output	VBS : 1.0Vp-p, 75Ω composite
Min. illumination	0.0007Lux / F1.8 (Sens-up)
Day & Night	Color / BW / AUTO (ICR)
Gain Control	Low / Middle / High / Off
White Balance	AWC / Manual / ATW (1,800°K - 10,500°K)
Shutter Speed	Auto / Manual (NTSC : 1/60 - 1/120,000sec. PAL : 1/50 - 120,000sec.)
Sens-up	On / Off (2x ~ 128x)
OSD	Built-in
Motion detection	On / Off (Built-in alarm output terminal)
Protocol	RS-485 interface(PELCO-D,P)
DNR	Low / Middle / High / Off
Zoom ratio	10x, f3.8 - 38mm
Angle of view	Horizontal : 51.2° (Wide) / 5.58° (Tele) Vertical : 39.3° (Wide) / 4.27° (Tele)
Digital zoom	Built-in (x2, x4, x8)
Preset	64
Privacy	On / Off (4 Programmable zone)
Pan/Tilt angle	360° (240°/sec.) / 0° ~ 90° (240°/sec.)
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Power source	12VDC/24VAC, 12VDC/3A
Power Consumption	6W (max.)
Measurement (mm)	179(Ø)x 150(H)
Weight (Approx.g)	2,000

Dimension



ACCESSORY

Outdoor housing



VPD100DC

Wall mount



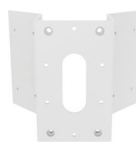
VHM-370PM

Pendant mount



VHM-370PM

Corner mount



VHM-370COR

Pole mount



VHM-370PO

Parapet mount



VHM-370PAR

VPD220

22X Zoom Speed Dome camera

NEW



Product Information

VPD220 is a high performance Mini Speed Dome camera which reproduces an extremely clear picture and a various PTZ function.

Used with Auto Focus(A/F) 22x Optical zoom, this unit can precisely adjust a focus.

It reproduces a purely natural color at day Various Presets make the unit possible to watch out for a board area effectively.

Built-in ICR(IR Cut Filter Removable) makes the unit sensitive to IR combined surveillance for viewing a long distance at total darkness and viewable a noiseless B/W image with increased 570TVL.



Key Features

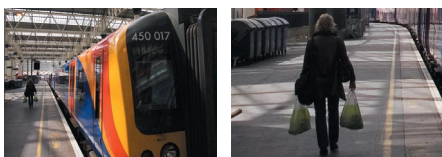
- 1/4" Sony Super HAD CCD
- High resolution of 480TVL(Day) / 540TVL(Night)
- 360° endless rotation. (Max. 500°/sec.)
- Optical 22x Zoom
- 64 Presets & a various automatic surveillance
- Intelligent & precise mechanism
- Sensor 4x Input / 2x Output
- RS-485 Remote control(Pelco-D/P)
- 24VAC available

64 Presets & various automatic surveillance

Presets up to 64 points, Group surveillance and Tourset enable user to use this unit conveniently and effectively



Precise Optical 22x zoom



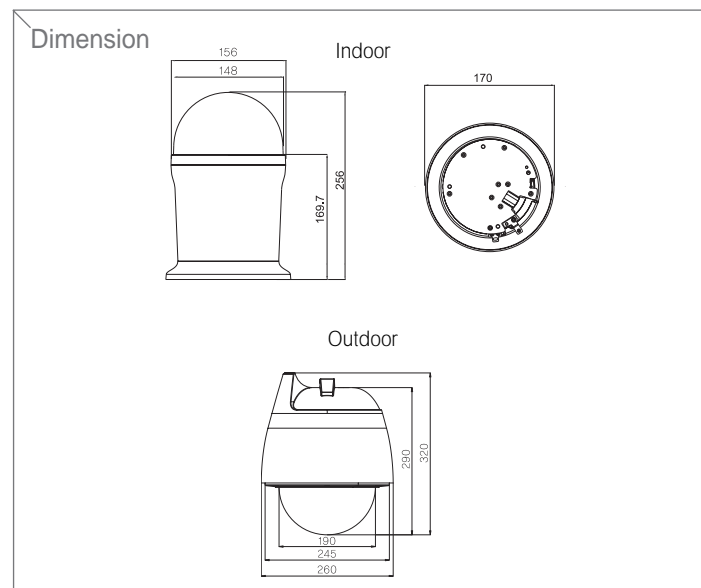
Full Screen

22x

Quick and Easy installation

Dome base is separated and easily mounted on the ceiling first and then main body is simply hooked on it with no tool by hand. Complicated cable connection is not additionally required with the built-in one-stop connection mechanism

MODEL	VPD220
Image sensor	1/4" Sony Super HAD CCD
Effective Pixels	PAL:752(H)x582(V) NTSC:768(H)x494(V)
Scanning system	NTSC : 525Line PAL : 625Line 2 : 1 interlaced
H.Resolution	480TV Line(Color) / 540 TV Line(B/W)
Video output	VBS : 1.0Vp-p, 75 composite
Min. illumination	1.0Lux(color),0.02Lux(B/W) (Low-shutter ON, F1.6/ 30IRE)
Day & Night	Color / BW / AUTO
Gain Control	Low / Middle / High / Off
White Balance	AUTO/ Manual / INDOOR/OUTDOOR
Shutter Speed	Auto / Manual(NTSC : 1/60~1/120,000sec. PAL : 1/50~120,000sec.)
OSD	Built-in
Protocol	RS-485 (PELCO-D,P)
Zoom ratio	22x, f3.9mm~85.8mm
Angle of view	2.4(T)-52.8(W)
Preset	64
Pan/Tilt angle	360° (500° /sec.) / 0° ~ 90° (500° /sec.)
Operating Temperature	14°F ~122°F (-10°C ~ +50°C)
Power source	24VAC
Power Consumption	20W Max.
Measurement (mm)	156(Ø) x 236.6(H)
Weight (Approx.g)	3,500(Indoor) / 5,500(Outdoor)



VDB105H-VFA50

All Directional Mount Outdoor Dome Camera



Product Information

VDB105H-VFA50 is All Directional Mount Camera with high resolution of 560TVL. 3D-DNR realizes noiseless clear pictures in low light conditions by effectively eliminating any ghost effect.

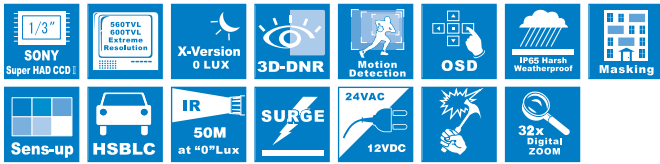
D-WDR (Digital Wide Dynamic Range) realizes high quality pictures by enhancing coloration, edging and contrast in dark areas when bright lighting comes in.

HSBLC (Highlight Suppression BLC) offers recognizing license plates at night by darkening selected highlights and brightening the darker portions by covering headlights with digitized masking

which suppresses highlights from headlights.

The external lens control of zoom and focus enable the user to easily and quickly adjust the lens.

The IP65 rated body can endure under any harsh environmental conditions.



Key Features

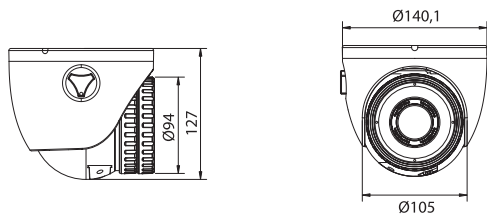
Magnetic Control

- 1/3" Sony Super HAD CCD II
- High Resolution of 560TVL at Day / 600TVL at Night
- 3DNR Noise Reduction
- 2.8~12mm/5~50mm DC IRIS Lens
- Powerful Night Sensitivity up to 50M
- Intelligent IR Control
- Extended IR LED's Life Cycle and sensitivity
- Easy-to-use OSD Functions
- HSBLC(Highlight Suppression BLC)
- Motion Detection
- RS-485 interface(Pelco-D)
- IP65 Weatherproof
- Focus External Adjustment
- 12VDC/24VAC Non-polarity Power Input

MODEL	VDB105H-VFA50
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	560 TV Lines(Color) / 600 TV Lines(BW)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 626 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. Illumination	0Lux
Shutter Speed	NTSC:1/60~1/100,000 sec. PAL:1/50~1/100,000 sec.
Gamma Correction	Standard $\gamma=0.45$
White Balance	2,000°K ~ 20,000°K Auto ATW / PUSH / MANUAL / AWC User selectable by OSD
Gain Control	Standard : -6dB ~ 40dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC/24VAC
Operating current	140mA at 12VDC(IR "off" Day), 400mA at 12VDC(IR "On" Night) 90mA at 24VAC(IR "off" Day), 280mA at 24VAC(IR "On" Night)
Lens	2.8-12mm/5-50mm Varifocal DC iris lens
Lens Control	Zoom & Focus controllable externally
Iris Control	DC IRIS/Manual IRIS by OSD Function
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	140(Ø) x 127(L)
Weight (Approx.g)	1,400

Function	
BLC	Off / On (User selectable by OSD)
3DNR	Off / On (User selectable by OSD)
Sens-up	Off / 2x ~ 128x
Motion Detection	On/Off (4 programmable zones)
Digital Zoom	Off, On (x1 ~ x32)
White Balance	ATW / PUSH / MANUAL / AWC User selectable by OSD
Privacy Mask	On/Off (8 programmable zones)
IR Function	
IR Spectrum of 14LEDs	High Power 850nm-Ø10X15°X14ea
Viewable distance	Up to 50M at moonless night
MTBF of IR	20,000 Hours

Dimension



VDA110 Series

VDA110 Series SUPER DOME cameras open a new concept of international standard taking care of user friendly mechanisms required for professional installations and up-to-the minute camera performances. Having this one type dome design, users can have a suitable choice from its wide range of applications enjoying the best quality at any situation. See the details of applications and points of advantages below.

Common Features

- I. For All VDA110 Series
- II. For VDA110WD (Wide Dynamic Range) series
- III. For VDA110xx-xxDN (True Day/Night) series
- IV. For VDA110xx-xxIR (True Day/Night) series

I. For All VDA110 Series

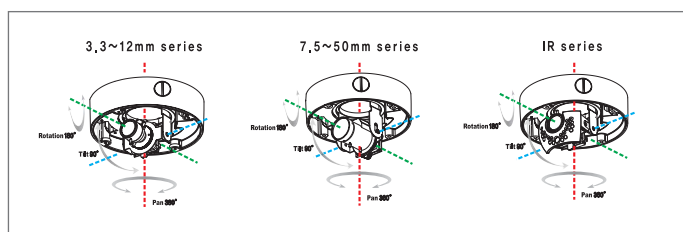
1. Advantageous ways of installation

A. Tool-free 3-Axis mounting mechanism

One-stop quick & easy installation to any location and to any application you want!

- Perfect 3-axis!
- Panning axis up to 360 degree
 - Tilting axis up to 90 degree
 - Rotation axis up to 180 degree

No need to use a tool for adjustment!
All adjustments are done quick and easy with hand!

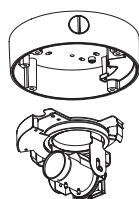


Note : Angle adjustment from each of 3 different axis can be positioned to its maximum angle of view so that the camera gets the full central picture at any location.

B. Separatable camera set

Pre-installation of the Dome base!

Dome base can be installed in advance where construction is not completed or for customized system integration.



Interchangeable camera set for the change!

If it is necessary to change or renew the camera after the installation, there is no need to take off the whole product and cabling. Just change the camera set with two locking screws on and off within a minute.

C. Save cost and time for the maintenance of dome

The dome cover is rotated by hand!

When the dome clear part in front of the lens had a scratch or contamination, the whole part of the dome cover set had to be disassembled for a renewal of the clear part in conventional dome cameras. VDA110's dome cover is rotated by hand to eliminate the complicated procedures. Just turn the cover to a clear position when the window part is damaged. No professional workmanship is required. IP66 weatherproof is valid after rotation!



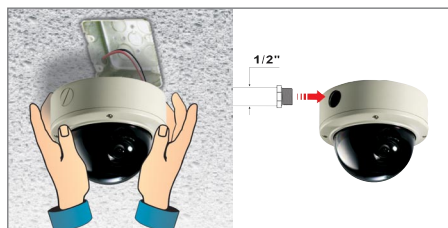
D. Industrial standard mounting arrangement

Compatible to the industrial standard 2-gangs junction box

The mounting hole is compatible to the standard electric junction box for a quick and easy installation.

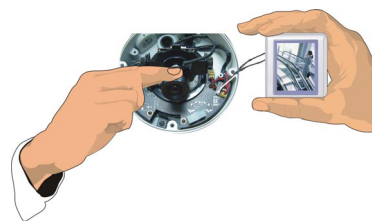
1/2" standard conduit hole

Pipe insertion from the side or from the back of the dome is provided.



E. Additional service monitoring output

Additional Video Output terminal is provided so that the installer can adjust the zoom/focus and functioning control on the spot.



2. Perfect protection from all kinds of conceivable dangers



A. Vandal-proof

The body is made of 4.0mm thick die-cast and the dome made of 2.2mm thick polycarbonate to be protective from a high impact of vandalism on the dome.

B. Tamper resistant

The dome is secured with a tailor-made stainless steel safety screws. (Option)

C. Free from Shock and Vibration

The tool-free internal 3-axis mounting mechanism is strong enough to hold the camera set against severe vibration or shock on the dome.

D. Rust free against salty environment

The VDA110 is fully protected from a salt mist environment with hard salty-water resistant coating.

E. Dust and Moisture free (IP66 Weatherproof)

The unit is duly passed IP66 international weatherproof standard, allowing the camera free from moisture and dust.

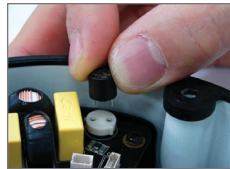
F. Fire resistant

Hard die-cast body and fully metallic internal camera mount mechanism is designed to be totally protective from fire breaks or fire interception. 1/2" Conduit-holes are provided for fire resistant cable management.

G. Perfect Surge voltage protection

Extra fuse for surge protection

The VDA110 builds in a highly reliable surge absorptive circuit so as to protect the camera from an excessive voltage input. Moreover, it has an extra interchangeable fuse at the entrance of the power circuit to cut off any voltage shock before the power gets into the camera's power circuit.



H. Protection from extreme temperature range of -40°F~122°F (-40°C ~ + 50°C)

Plug and Play Heater option (Model : VDA110-Heater)

The VDA110 provides a highly reliable heater option for an application of area where the temperature comes down to -40°C cold.

3. Dual switching power

The unit builds in highly efficient switching power control that self-configures 12VDC or 24VAC input. Double insulated power design guarantees no ground loop when used with multiple cameras and system equipments together through one power source.

II . For VDA110WD (Wide Dynamic Range) series

State-of-the-art image enhance technologies

A. Color to B/W image conversion for 24 hours clear view Day/Night image switching

The image is converted to a real B/W mode from Color at a designated lux level. This function effectively enhances the resolution up to 600TVL (Night) from 550TVL (Day), removes color signal noises and increases the sensitivity like in the real B/W camera.



True color at Day

Real B/W at Night

B. Powerful Wide Daynamic range

Light level is controllable with provided easy-to-use OSD menu that enables the camera can ideally be set up for the most of different levels of backlit or contrast lighting situations.



C. The Maximum sensitivity with the best sensor and the latest technology

Used with the latest Sony Double scan CCD sensor, the VDA110WD provides the highest light sensitivity of 0.2 Lux/F1.3. In addition the built-in Day/Night function completely removes the color signal noises for an ultra clear nighttime image quality.



Normal

VDA110WD

VDA110 Series

D. Wide range of Automatic White Balance (1,800°K~ 10,500°K)

The VDA110WD's Automatic White Balance provides an extensive range of color temperature control that covers from 1,800°K to 10,500°K, generating a natural color image without being red or blue in varying light conditions.



Bad WB

Good WB

E. Digital Slow Shutter (DSS)

The DSS function allows the camera can display the bright image even in extreme darkness.



2x

60x

128x

Important Tips:

IR Distance can be extended twice longer when <DSS> is set 2x ~ 6x.

Caution: When DSS is adjusted for more than 8 times(8x), the picture becomes brighter but the frame rate relatively gets slower resulting in the picture becomes slow motioned.

F. Camera ID setting

Users can use the camera identification (Camera ID) to assign a name of the camera.

The camera ID consists of up to 15 alphanumeric characters.

G. Digital Zoom (1.5x, 2x, 3x)

The screen can be digitally zoomed with provided OSD control.



1.5x

2x

3x

H. Privacy zone masking

When the unit is observing a wide area, the captured image can be masked for privacy purposes.

Users can easily configure the size and position of the required privacy zones.



III. For VDA110xx-xxDN (True Day/Night) series

A. True Day & Night image conversion for 24 hours clear view



True Day/Night switching

The image is converted to B/W mode from Color and the IR cut filter is automatically removed at 5 lux darkness.



True Color with a Blue filter/Precise focus with IR filter

This dual filter mechanism is uniquely designed to have a blue filter in daytime for a precise color reproduction and to have an IR focus corrective filter at nighttime so that there is no focus shift when the IR lights are activated.

B. Greatly improved Day & Night response

Does the picture convert itself between color and b/w at the right time exactly and is the IR illumination on and off at the same time as well?

A new technology of Day and Night control is added to this device. An accurate control of image conversion and a precise operation of day & night filter movement at the right moment, give reliable image capturing capability in Color mode at daytime and in B/W mode at nighttime.



C. Clear image quality under IR illumination

Does IR responded image clear?

When IR illumination is combined, the IR responded image becomes defocused. This unit incorporates a clear solution for this conventional problem. The image quality of this unit is absolutely sharp and clear under IR lights in operation.



Defocused image under IR illumination

Clearly focused from VDA110 cameras

VDA110 Series

IV. For VDA110xx-xxIR (True Day/Night) series

*Note

IR Series basically incorporates the functions of DN Series cameras and has the following important features in addition.

A. Intelligent image compensation against IR saturation

Can you recognize the picture when the object is getting closer to a strong IR illumination?

A new image processing technology is adapted to eliminate the 'WHITE OUT' problem. Now the picture is automatically processed so that the camera can observe recognizable objects instead of seeing all white saturation.

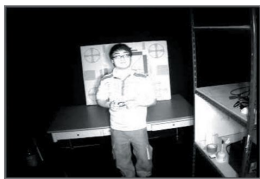


Image from Conventional IR cameras



Self-compensated IR image from VDA110 IR cameras

B. Non-IR reflection

Do IR lightings exist in reflection?

Unlike conventional IR LEDS integrated dome cameras; this unit provides a smart mechanism that eliminates IR reflections. Users can easily set up the camera's position without having a big hassle for eliminating IR reflection.



IR reflection



No reflection

>> Models optionable

Series	CCD	H. Resolution(TVL)	Lens	M. illumination	DN/IR	Power
VDA100DZ-10	1/4" Sony Super HAD	500(D) / 570(N)	A / F, Optical 10x (f3.8-38mm) / Digital 10x	0.0007Lux / F1.8(Sens-up)	DN - TDN w / ICR	12VDC / 24VAC
VDA110WD	1/3" Dual Scan CCD / WDR	550(D) / 600(N)	3.3-12mm DC Iris	0.0001Lux / F1.3(DSS On)	1. DN - TDN w / ICR 2. IR - IR x 21ea	1. 12VDC 2. 12VDC / 24VAC
			7.5-50mm DC Iris		DN - TDN w / ICR	
VDA110HQ	1/3" Sony Super HAD II / SS-HQ1	560(D) / 600(N)	3.3-12mm DC Iris	0.1Lux / F1.3	1. STD - DN, No ICR 2. DN - TDN w / ICR 3. IR - IR x 21ea	1. 12VDC 2. 12VDC / 24VAC
			7.5-50mm DC Iris		1. STD - DN, No ICR 2. DN - TDN w / ICR	
VDA110CSHR	1/3" Sony Super HAD II / SS-11X	500(D) / 560(N)	4 ~ 9mm DC Iris	0.1Lux / F1.3	1. STD - DN, No ICR 2. DN - TDN w / ICR 3. IR - IR x 21ea	1. 12VDC 2. 12VDC / 24VAC
			3.3-12mm DC Iris		STD - DN, No ICR	
			7.5-50mm DC Iris		STD - DN, No ICR	
VDA110TH	1/3" Sony Super HAD / DNR	530(D) / 570(N)	4 ~ 9mm DC Iris	0.0002Lux / F1.3(Sens-up)	STD - DN, No ICR	1. 12VDC 2. 12VDC / 24VAC
			3.3-12mm DC Iris			
			7.5-50mm DC Iris			

VDA110WD-VFAL12DN / VDA110WD-VFAL50DN

Wide dynamic True DN SuperDome camera



Product Information

VDA110WD-DN is a WDR day/night camera specially designed for the professional Day/Night surveillance. At daytime, the camera features a 550TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removal) resulting in the resolution and sensitivity greatly enhanced. The unique wide dynamic technology with smart & easy-to-use OSD settings provides users with the optimum solution for the best image quality at various situations. The camera incorporates an Intelligent CDS sensor and mechanical day/night dual filter system so that the filter accurately switched on and off with the image changed from Color to B/W and vice versa at a designated lux level by OSD. Specially designed power circuit enables the camera to operate from DC11V to DC40V and from AC15V to AC30V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation. It accepts either 12VDC power supply or 24VAC unit with non polarity input.

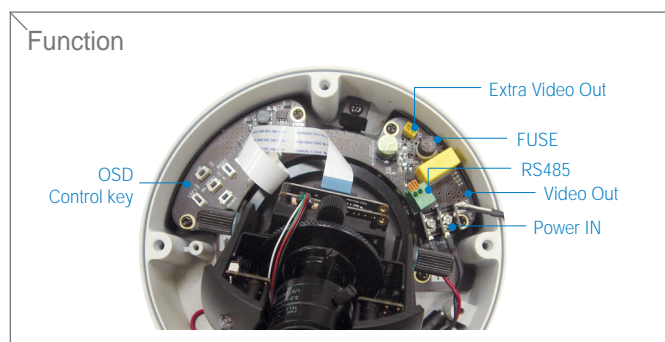
Special features for the model

- Super Wide Dynamic (sWDR)
- IR Sensitive mechanical Day/Night filter system built-in (ICR)

General features

- High resolution of 550 TVL at Day / 600 TVL at Night
- 3.3~12mm/7.5~50mm VF Auto DC Iris lens
- Greatly enhanced Sensitivity of 0.0001 Lux at F1.3
- True Color at Day and Real B/W at Night image conversion
- Privacy image masking with free position : 4 Zones
- Easy-to-use OSD functions
- RS-485 interface(Pelco-D Protocol)
- Digital zoom(1.5x, 2x, 3x)
- Digital Slow Shutter (DSS)
- Protection from all kinds of conceivable dangers
 - Vandal-proof
 - Fire resistant
 - Dust and Moisture free (IP66 Weatherproof)
 - Tamper resistant
 - Free from Shock and Vibration
 - Rust free against salty environment
 - Perfect Surge voltage protection
 - Protection from extreme temperature range of -40°F ~ 122°F (-40°C ~ +50°C) – W/Additional heater
- Advantageous ways of installation
 - Tool-free 3-Axis mounting mechanism
 - Detachable camera set
 - Dome bubble rotation
 - Industrial standard mounting arrangement
 - Additional service monitoring output

MODEL	VDA110WD-VFAL12DN / VDA110WD-VFAL50DN
Image sensor	1/3" Sony Double Scan CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 550 TV Lines (Day) / 600 TV Lines (Night) PAL : 540 TV Lines (Day) / 590 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.2 Lux at F1.3 (DSS Off) / 0.0001 Lux at F1.3 (DSS On)
Back Light Compensation	On / Off by OSD
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 10,500°K Auto
Gain Control	ATW / Push Lock selectable by OSD Standard : -6dB ~ 42dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	At 12VDC, 240mA Max.- (Tol. 11VDC~40VDC) At 24VAC, 120mA Max.- (Tol. 15VAC~30VAC)
Lens	3.3~12mm / 7.5~50mm VF Auto DC Iris lens
Iris Control	DC Iris
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Heater option	-40°F ~ 122°F(-40°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	164(Ø)x 121.5(H)
Weight (Approx.g)	1,900
Mechanical	
IR sensitivity	Yes (IR Cut filter removable)
True Day/Night	Automatic change from Color (Day) to B/W (Night)
Filter change	With mechanical Filter change (a Blue filter built-in)
OSD Menu	
WDR	Auto / On / Off
White balance	Auto (ATW)/Push Lock/User selectable (Push : 1,800°K~10,500°K)
Gain Control	Low, Middle, High, Off
Shutter speed	1/60 ~ 1/100,000 sec. (NTSC), 1/50 ~ 1/100,000 sec. (PAL)
Digital Slow Shutter	Off / 2 x ~ 160 x (DSS)
Privacy Masking	On / Off (4 programmable zones)
Digital zoom	Off, 1.5x, 2x, 3x.



VDA110WD-VFAL12IR

Wide Dynamic IR SuperDome camera



Product Information

VDA110WD-IR is a WDR IR camera specially designed for the professional Day/Night surveillance. At daytime, the camera features a 550TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removal) resulting in the resolution and sensitivity greatly enhanced. The unique wide dynamic technology with smart & easy-to-use OSD settings provides users with the optimum solution for the best image quality at various situations. The camera incorporates an Intelligent CDS sensor and mechanical day/night dual filter system so that the filter accurately switched on and off with the image changed from Color to B/W and vice versa at a designated Lux level by OSD. Incorporated 21ea IR LEDs enable this unit to watch out up to 30M at total darkness. Specially designed power circuit enables the camera to operate from DC11V to DC40V and from AC15V to AC30V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation. It accepts either 12VDC power supply or 24VAC unit with non polarity input.

Special features for the model

- Super Wide Dynamic (sWDR)
- IR Sensitive mechanical Day/Night filter system built-in
- Long IR beam Distance : up to 30M View at "0" Lux
- IR spectrum 850nm-30° x 21ea

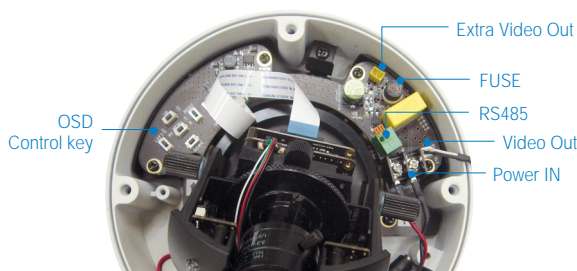
General features

- High resolution of 550 TVL at Day / 600 TVL at Night
- 3.3~12mm VF Auto DC Iris lens
- Greatly enhanced Sensitivity of 0.0001 Lux at F1.3(Without LED)
- True Color at Day and Real B/W at Night image conversion
- Privacy image masking with free position : 4 Zones
- Easy-to-use OSD functions
- RS-485 (Pelco-D Protocol)
- Digital zoom(1.5x, 2x, 3x)
- Digital Slow Shutter (DSS)
- Protection from all kinds of conceivable dangers
 - Vandal-proof - Fire resistant
 - Tamper resistant
 - Dust and Moisture free (IP66 Weatherproof)
 - Free from Shock and Vibration
 - Rust free against salty environment
 - Perfect Surge voltage protection
 - Protection from extreme temperature range of -40F ~ 122F (-40C ~ +50C) - W/Additional heater
- Advantageous ways of installation
 - Tool-free 3-Axis mounting mechanism
 - Detachable camera set - Dome bubble rotation
 - Industrial standard mounting arrangement
 - Additional service monitoring output

MODEL	VDA110WD-VFAL12IR
Image sensor	1/3" Sony Double Scan CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 550 TV Lines (Day) / 600 TV Lines (Night) PAL : 540 TV Lines (Day) / 590 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.2 Lux at F1.3 (DSS Off) / 0.0001 Lux at F1.3 (DSS On)
Back Light Compensation	On / Off by OSD
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 10,500°K Auto
Gain Control	ATW / Push Lock selectable by OSD Standard : -6dB ~ 42dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	At 12VDC, 280mA(IR Off-Day)/550mA(IR On Night) At 24VAC, 200mA(IR Off-Day)/350mA(IR On Night)
Lens	3.3-12mm VF Auto DC Iris lens
Iris Control	DC Iris
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Heater option	-40°F ~ 122°F(-40°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	164(Ø)x 121.5(H)
Weight (Approx.g)	2,000

Mechanical	
IR spectrum	850nm-30° x 21ea
True Day/Night	Color (Day) / B/W (Night)
Filter change	With mechanical Filter change (a Blue filter built-in)
OSD Menu	
WDR	Auto / On / Off
White balance	Auto (ATW) / Push Lock / User selectable (Push : 1,800°K~10,500°K)
Gain Control	Low, Middle, High, Off
Shutter speed	1/60 ~ 1/100,000 sec. (NTSC), 1/50 ~ 1/100,000 sec. (PAL)
Digital Slow Shutter	Off / 2x ~ 160x (DSS)
Privacy Masking	On / Off (4 programmable zones)
Digital zoom	Off, 1.5x, 2x, 3x.

Function



VDA140CSHR-VFA12IR

Magnetic Mount IR Vandalproof Dome camera



Product Information

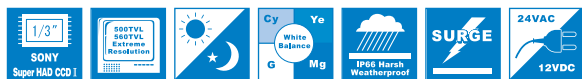
VDA140CSHR-VFA12IR is a stylish new vandal dome camera featured with several unique technical breakthroughs.

The camera set without the base can be used as Flush mount application so that installers do not need to stock a typical Flush mount camera.

The camera ball is fixed with a permanent magnetic with no screws required.

The ball is stuck to the camera body strong enough with a permanent magnetic. Zoom & Focus external adjustment and extra video output represents Easy-to-Use.

With the built-in high power night vision technology, it is very much suitable for viewing areas where no lights exist at night.



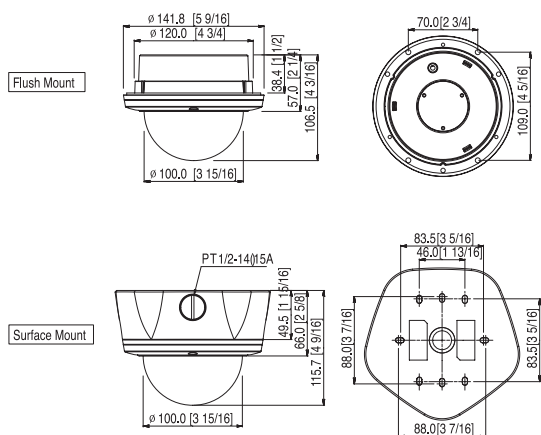
Key Features

Magnetic

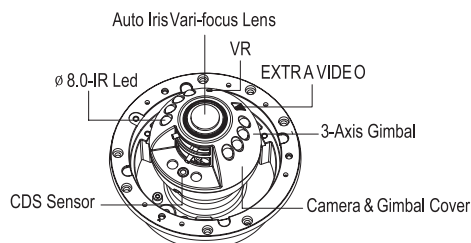
- 1/3" Sony Super HAD CCD II
- High resolution of 500TVL(Day) / 560TVL(Night)
- Extremely clear focus at both Day and Night(No focus shift)
- True Day & Night(ICR)
- Intelligent IR Protection technology built-in
- Long viewable distance up to 20M at "0" Lux darkness
- Automatic LED On / Off
- Surface/Flush mount compatible
- Weatherproof(IP66)
- Tool-free All Directional Mount
- 12VDC/24VAC Dual Power(Non Polarity)

MODEL	VDA140CSHR-VFA12IR
Image sensor	1/3" Sony super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	500 TVL (Day) / 560 TVL (Night)
Sync system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.1 Lux at F1.3 w/o LED, 0Lux with LED
Back Light Compensation	Auto
White Balance	Automatic 2,100°K ~ 9,100°K
Gain Control	-6dB~32dB Auto
Gamma correction	$\gamma = 0.45$
Smear Effect	0.005%
Shutter Speed	NTSC : 1/60 ~ 1/100,000 sec. Auto PAL : 1/50 ~ 1/100,000 sec. Auto
IR LED	850nm-Ø8 X 40° X 10ea
IR beam distance	20M
MTBF	20,000 Hours
Power source	12VDC / 24VAC
Operating current	400mA at 12VDC, 190mA at 24VAC
Lens	3.3-12mm (F1.3)
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	150(Ø)X 115.7(H)
Weight (Approx.g)	2,000

Dimension



Function



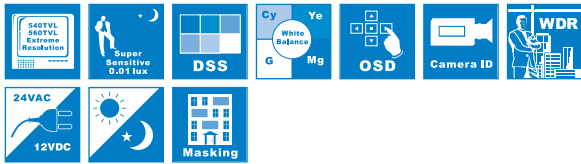


Product Information

VDS120D15-VFA powered by Pixim's Ultra Wide Dynamic pixel system provides a number of technical improvements in picture quality for viewing areas of extreme light conditions.

The technical breakthrough, in particular, shows a great challenge to overcome an over-exposure problem against strong back-light situations. As each pixel acts as a camera, a picture taken by a pixel does not affect a picture quality taken by other pixels hence all pictures taken from the whole pixels are absolutely clear in all lighting conditions. Based on this technology, VDS120D15-VFA delivers a very high quality, high resolution and very accurate & detailed color recognition in a variety of light conditions.

VDS120D15-VFA is an Ultra-Slim dome camera containing a lot of user-friendly mechanisms and configurations. It incorporates a perfect and tool-free 3-Axis mount with which the camera can be installed on the wall, on the ceiling or on the slope with no limitation.



Key Features

Ultra Slim

- 1/3" Pixim WDR digital imaging device
- High Resolution of 540TVL(Day) / 560TVL(Night)
- True Day & Night(ICR)
- Enhanced low light performance up to 0.01 Lux / F1.3(DSS On)
- Easy to use OSD function(RS-485 remote control)
- Camera ID • Digital Slow Shutter(DSS)
- Privacy masking • Tool-free 3-Axis Mechanism
- Additional service monitoring output • Privacy masking
- 12VDC/24VAC Dual power(Non-Polarity)

No "camera blindness"

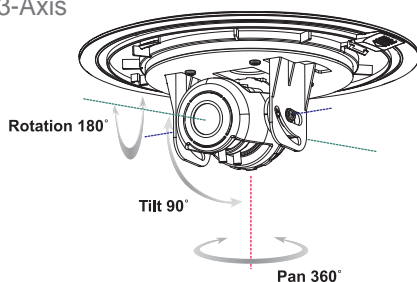


Normal CCD camera

VDS120D15

Ultra wide dynamic technology used for this camera eliminates the vertical smear, pixel blooming, and other image artifacts commonly encountered in high-contrast scenes.

Perfect 3-Axis

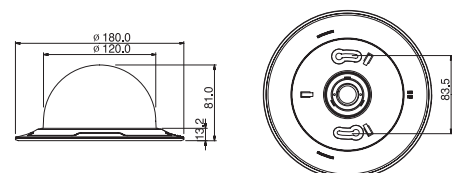


MODEL	VDS120D15-VF A12DN
Image sensor	1/3" WDR digital imaging device
Signal Processing	17-bit Digital Signal Processing (max.)
Dynamic range	101dB typical / 120dB max.
Video capture	Progressive Scan 50fps / 60fps
Transfer format	PsF (Pogressive with Segmented Frames)
Effective Pixels	720(H) X 540(V) pixel
H.Resolution	540TVL(Day) / 560TVL(Night)
Sync system	Internal
Video output	1.0 to 1.2 Vp-p composite 75 Ohms(NTSC/PAL Compatible)
S/N ratio	More than 50dB (AGC Off)
Min. illumination	0.3 Lux / F1.4, 0.01Lux(DSS On)
Operating current	200mA at 12VDC, 110mA at 24VAC
Lens	3.3-12mm VF DC Iris
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Output Tenminal	2P(BNC-Video), 2P(T-Block-PWR), 2P(L/W-RS485)
Power source	12VDC (9~20VDC) / 24VAC (10~30VAC)Dual power
Measurement	180(Ø)X 81(H)
Weight (Approx.g)	950

OSD Menu (Remote-Control via RS485)

WDR	Auto / Off / Low / Middle / High
White Balance	ATW / AWC Manual selectable 2,000°K ~ 11,000°K Auto
Gain Control	Off, Low, Middle, High
Gamma correction	Auto / Manual
Back Light Compensation	Off / On, adjustable Backlight Zone
AGC	Off, Low, Middle, High
Digital slow shutter	Off / 2x / 4x / 6x / 8x / 16x / 32x
Privacy Masking	On / Off (6 Programmable zones)
Reversal	NOR / MIR / VER / FLIP
Day / Night	Auto / Color / BW
Protocol	Pelco-D

Dimension



VDS120H-VFA12DN

3DNR Ultra-Slim Dome Camera



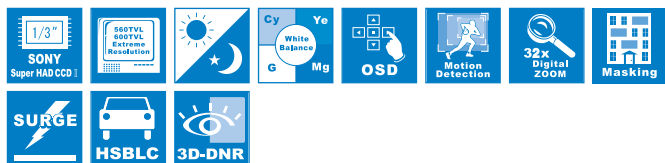
Product Information

VDS120H has a 1/3" Super HAD CCD II and keeps 560TV Lines by day and improves resolution and sensitivity through the night converted from color to B/W (color signal removal).

Unique 3D Noise reduction technology decreases noises of the low lux condition and object-blurred images(ghost effects), etc. efficiently and supplies clear images.

HSBLC(Highlight Suppression BLC) controls the effect and also multi-lingual OSD menu settings, smart motion detection and privacy masking are basically supported. They graded up surveillance efficiency.

VDS120H is an Ultra-Slim dome camera containing a lot of user-friendly mechanisms and configurations. It incorporates perfect and tool-free 3-Axis mount with which the camera can be installed on the wall, on the ceiling or on the slope with no limitation.



Key Features

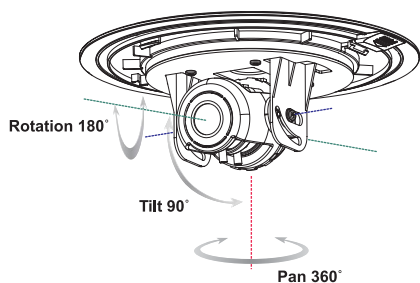
Ultra Slim

- 1/3" Sony Super HAD CCD II
- 560 TVL at Day / 600 TVL at night
- 0.00001 Lux at F1.3 (SENS-UP remarkable low lux performance)
- 3DNR (3D Noise reduction)
- HSBLC (Highlight Suppression BLC)
- Privacy zone (8 zones)
- Motion detection zone (4 zones)
- RS-485 interface(Pelco-D)
- Multi-lingual OSD menu
- Surge voltage input protection built-in
- Tool-free 3-Axis Mechanism
- Additional service monitoring output
- 12VDC / 24VAC dual power (Non-polarity power input)

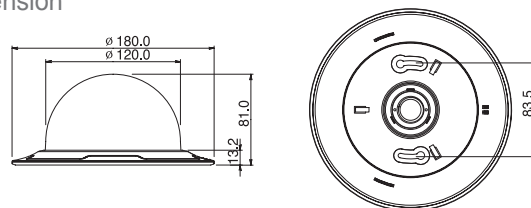
MODEL	VDS120H-VFA12DN
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	NTSC : 560TV Line(Day) / 600TV Line(Night) PAL : 550TV Line(Day) / 590TV Line(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 ohms
S/N ratio	More than 52dB(AGC Off)
Min. illumination	0.00001Lux/F1.3(Sens-up), 0.1 LUX/F1.2
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$ (OSD)
White Balance	2,000°K ~ 20,000°K Auto
Gain Control	Standard : 6dB ~ 40dB, Off / Low / Middle / High
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	180mA / 12VDC, 90mA / 24VAC
Iris Control	DC / MANUAL
Lens	3.3-12mm VF DC Iris Lens
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	180(Ø)X 81(H)
Weight (Approx.g)	950

OSD Menu	
White Balance	ATW / PUSH / MANUAL / AWC
Sens-up	x2 ~ x128
Privacy Masking	Off / On (8 programmable zones)
Motion Detection	Off / On (4 zones)
Digital zoom	Off / On (x1 ~ x32)
3DNR	Off / On

Perfect 3-Axis



Dimension





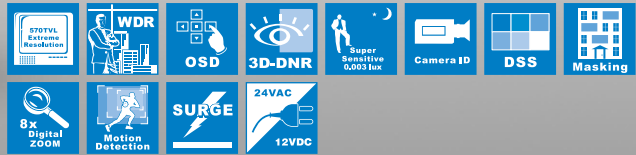
Product Information

VDS120D88-VFA12DN powered by Pixim's new digital pixel system is wide dynamic ultra-slim dome camera with extremely enhanced low light capability and high resolution of 570TVL.

Super Wide Dynamic Range (sWDR) enables the camera to be ideally set up for different levels of backlit or contrasting lighting.

3D-DNR realizes noiseless clear pictures in low light conditions by effectively eliminating any ghost effect.

The day/night filter system by ICR (Infrared Cut-filter Removal) realizes perfect day/night capability.



Key Features

Ultra Slim

- 1/3" Pixim WDR Digital Imaging Device
- Easy-to-use OSD Functions
- High Resolution of 570TVL(H) / 460TVL(V)
- 3DNR (3D Motion Adaptive Noise Reduction)
- Dynamic Range 120dB Maximum
- SNR(53dB max)
- Digital Slow Shutter(DSS 32x max)
- Privacy Zones(16 programmable zones)
- 3.3~12mm DC IRIS Lens
- RS-485 interface(Pelco-D)
- Tool-free 3-Axis mechanism
- Additional service monitoring output
- 12VDC/24VAC Non-polarity Power Input

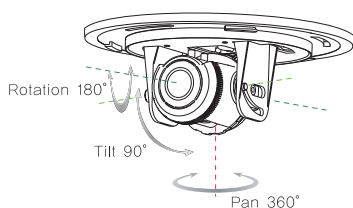
Greatly Enhanced Sensitivity Off 0.003 Lux at F1.4



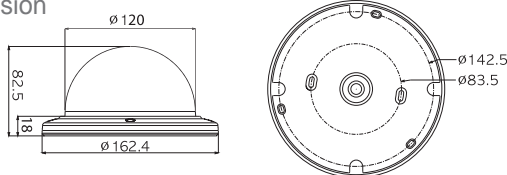
Conventional CCD camera

VDS120D88-VFA12DN

Perfect 3-Axis



Dimension



MODEL	VDS120D88-VFA12DN
Image sensor	1/3" WDR digital imaging device
Dynamic Range	102dB typical / 120dB max.
Video capture	Progressive Scan 50fps / 60fps
Transfer format	PsF (Progressive with Segmented Frames)
Total Pixels	768(H) x 548(V) pixel
Effective Pixels	758(H) x 540(V) pixel
Resolution	570 TVL(H) / 460 TVL(V)
Synchronizing system	Internal
Video output	1.0 to 1.2 Vp-p Composite 75 Ohms(NTSC/PAL Compatible)
S/N ratio	More than 53dB (AGC Off)
Min. Illumination	0.1Lux at F1.4(DSS Off), 0.003Lux at F1.4(DSS On)
Electronic Shutter Speed	1/25 - 1/30,720 second (F1.4)
Gamma Correction	Standard $\gamma = 0.45$
AGC	Programable up to 50dB
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 110mA at 24VAC
Lens	3.3-12mm VF DC Iris lens
Iris Control	DC IRIS / Manual IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	180(Ø) x 81(H)
Weight (Approx.g)	950
Function	
WDR	Auto / Off / Low / Middle / High
White Balance	ATW / AWC / Manual selectable 2,000°K ~ 11,000°K Auto
Gain Control	Off / Low / Middle / High
Gamma Correction	Auto / Manual
Back Light Compensation	Off / On, adjustable Backlight Zone
AGC	Off / Low / Middle / High
3DNR	Off / On (User selectable by OSD)
Digital Slow Shutter	Off / 2x ~ 32x (DSS)
Motion Detection	On/Off (4 Zone setting available)
Digital PTZ	Off, X1 ~ X8(Pan, Tilt)
Day / Night	Auto / Color / BW(Burst On/Off)
Reversal	NOR / MIR / VER / FLIP
Privacy Mask	Off / On (16 Zone setting available)
Protocol	Pelco-D

VDA111D15-VFA12DN

Ultra Wide Dynamic Ultra-Slim Outdoor Dome Camera

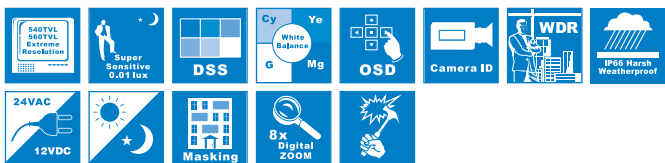


Product Information

VDA111D15 powered by Pixims Ultra Wide Dynamic pixel system provides a number of technical improvements in picture quality for viewing areas of extreme light conditions.

The technical breakthrough, in particular, shows a great challenge to overcome an over-exposure problem against strong back-light situations. As each pixel acts as a camera, a picture taken by a pixel does not affect a picture quality by other pixels hence all pictures taken from the whole pixels are absolutely clear in all lighting conditions. Based on this technology, VDA111D15 delivers a very high quality, high resolution and very accurate & detailed color recognition in a variety of light conditions.

VDA111D15 is an Ultra Slim dome camera containing a lot of user-friendly mechanisms and configurations. It incorporates a perfect and tool-free 3-Axis mount with which the camera can be installed on the wall, on the ceiling or on the slope with no limitation.



Key Features

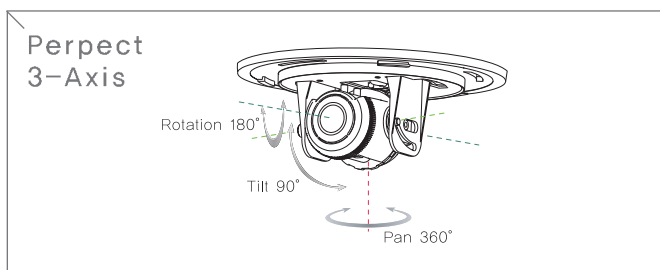
Ultra Slim

- 1/3" Pixim WDR digital imaging device
- High Resolution of 540TVL(Day) / 560TVL(Night)
- True Day & Night(ICR)
- Enhanced low light performance up to 0.01 Lux/F1.3(DSS On)
- Easy to use OSD function(RS-485 Interface)
- Camera ID
- Digital Slow Shutter(DSS)
- Privacy masking
- Tool-free 3-Axis mechanism
- Additional service monitoring output
- IP 66 Weatherproof
- 12VDC/24VAC Dual power(Non-Polarity)

No "camera blindness"

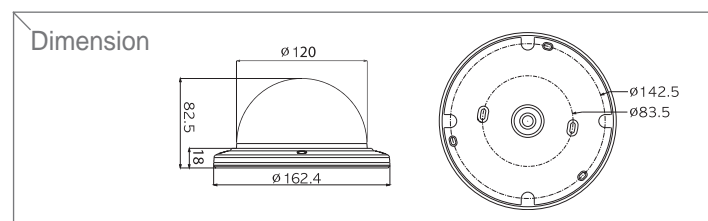


Ultra wide dynamic technology used for this camera eliminates the vertical smear, pixel blooming, and other image artifacts commonly encountered in high-contrast scenes.



MODEL	VDA111D15-VFA12DN
Image sensor	1/3" WDR digital imaging device
Signal Process sing	17-bit Digital Signal Processing (max.)
Dynamic range	101dB typical / 120dB max
Video capture	Progressive Scan 50fps / 60fps
Transfer format	PsF (Pogressive with Segmented Frames)
Effective Pixels	720(H) X 540(V) pixel
H.Resolution	540TVL(Day) / 560TVL(Night)
Sync system	Internal
Video output	1.0 to 1.2 Vp-p composite 75ohms(NTSC / PAL Compatible)
S/N ratio	More than 50dB (AGC Off)
Min. illumination	0.3 Lux / F1.4, 0.01Lux(DSS On)
Operating current	200mA at 12VDC, 110mA at 24VAC
Lens	3.3-12mm VF DC Iris lens
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Output Tenminal	BNC-Video, 2P(T-Block-PWR), 2P(L/W-RS485)
Power source	12VDC(DC9V-20V) / 24VAC (AC10V-30V)
Measurement	162.4(Ø)X 82.5(H)
Weight (Approx.g)	1,300

OSD Menu	
WDR	Auto / Off / Low / High
White Balance	ATW / AWC Manual selectable 2,000°K ~ 11,000°K Auto
Gain Control	Off, Low, Middle, High
Gamma correction	Auto / Manual
Back Light Compensation	Off / On, adjustable backlight zone
ACG	Off, Low, Middle, High
Digital s low shutter	Off / 2x / 4x / 6x / 8x / 16x / 32x
Privacy Masking	On / Off (6 Programmable zones)
Reversal	NOR / MIR / VER / FLIP
Day / Night	Auto / Color / BW
Protocol	Pelco-D



VDA111H-VFA12DN

3DNR Ultra-Slim Outdoor Dome Camera

Analog Camera

DVR

IP Camera

NVR

Accessories

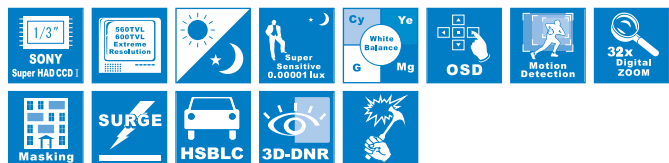


Product Information

VDA111H is an Ultra-Slim Outdoor dome camera containing a lot of user-friendly mechanisms and configurations. It incorporates a perfect and tool-free 3 Axis mount with which the camera can be installed on the wall, on the ceiling or on the slope with no limitation.

This unit realizes 560TVL(Day)/600TVL(Night) High Resolution with 1/3" Sony Super HAD CCD II and color signal removal technology at nighttime. Highly improved Image process engine and Sens-up technology detect subject clear in B/W mode under low light condition of 0.00001 Lux. 3D adaptive Noise Reduction Filter effectively removes the noises from the image signal under the low light and helps to reproduce a more vivid and clear image.

OSD function can be controllable by RS-485 communication. IP66 Weatherproof, Tamper resistance and Fire resistance are secured.



Key Features

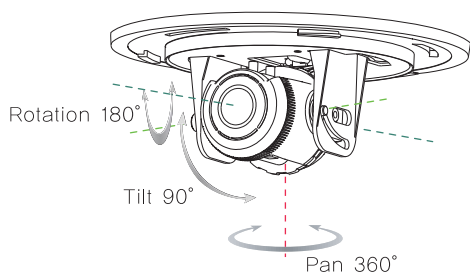
Ultra Slim

- 1/3" Sony Super HAD CCD II
- 560 TVL at Day / 600 TVL at night
- 0.00001 Lux at F1.3 (SENS-UP remarkable low lux performance)
- 3DNR (3D Noise reduction)
- HSBC(Highlight Suppression BLC)
- Privacy zone (8 zones)
- Motion detection zone (4 zones)
- RS-485 Interface(Pelco-D)
- Multi-lingual OSD menu
- Surge voltage input protection built-in
- Tool-free 3-Axis mechanism
- Additional service monitoring output
- IP 66 Weatherproof
- 12VDC / 24VAC dual power (Non-polarity power input)

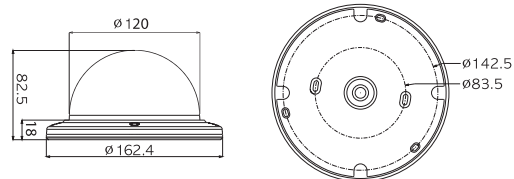
MODEL	VDA111H-VFA12DN
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	NTSC : 560TV Line(Day) / 600TV Line(Night) PAL : 550TV Line(Day) / 590TV Line(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 52dB(AGC Off)
Min. illumination	0.00001Lux/F1.3(Sens-up), 0.1 LUX/F1.3
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$ (OSD)
White Balance	2,000°K ~ 20,000°K Auto
Gain Control	Standard : 6dB ~ 40dB, Off / Low / Middle / High
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	180mA / 12VDC, 90mA / 24VAC
Iris Control	DC / MANUAL
Lens	3.3-12mm VF DC Iris lens
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	162.4(Ø)X 82.5(H)
Weight (Approx.g)	1,300

OSD Menu	
White Balance	ATW / PUSH / MANUAL / AWC
Sens-up	x2 ~ x128
Privacy Masking	Off / On (8 programmable zones)
Motion Detection	Off / On (4 zones)
Digital zoom	Off / On (x1 ~ x32)
3DNR	Off / On

Perfect 3-Axis



Dimension



VDA111D88-VFA12DN

3DNR Ultra-Slim Outdoor Dome Camera



Product Information

VDA111D88-VFA12DN powered by Pixim's new digital pixel system is wide dynamic ultra-slim outdoor dome camera with extremely enhanced low light capability and high resolution of 570TVL.

Super Wide Dynamic Range (sWDR) enables the camera to be ideally set up for different levels of backlit or contrasting lighting.

3D-DNR realizes noiseless clear pictures in low light conditions by effectively eliminating any ghost effect.

The day/night filter system by ICR (Infrared Cut-filter Removal) realizes perfect day/night capability.



Key Features

Ultra Slim

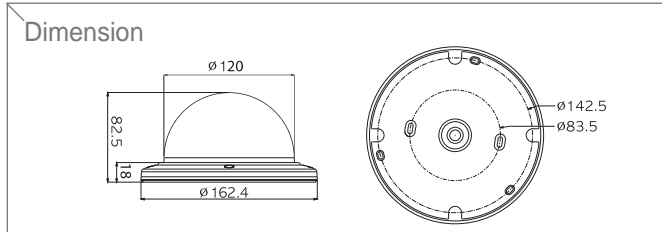
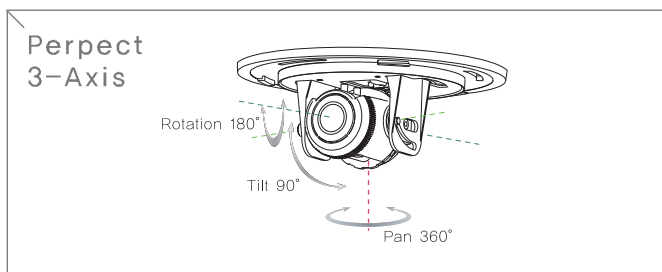
- 1/3" Pixim WDR Digital Imaging Device
- Easy-to-use OSD Functions
- High Resolution of 570TVL(H) / 460TVL(V)
- 3DNR (3D Motion Adaptive Noise Reduction)
- Dynamic Range 120dB Maximum
- SNR(53dB max)
- Digital Slow Shutter(DSS 32x max)
- Privacy Zones(16 programmable zones)
- 3.3~12mm DC IRIS Lens
- RS-485 Interface(Pelco-D)
- Tool-free 3-Axis mechanism
- Additional service monitoring output
- IP 66 Weatherproof
- 12VDC/24VAC Non-polarity Power Input

Greatly Enhanced Sensitivity Off 0.003 Lux at F1.4



Normal CCD camera

VDS120D88-VFA12DN



MODEL	VDA111D88-VFA12DN
Image sensor	1/3" WDR digital imaging device
Dynamic Range	102dB typical / 120dB max.
Video capture	Progressive Scan 50fps / 60fps
Transfer format	PsF (Progressive with Segmented Frames)
Total Pixels	768(H) x 548(V) pixel
Effective Pixels	758(H) x 540(V) pixel
Resolution	570 TVL(H) / 460 TVL(V)
Synchronizing system	Internal
Video output	1.0 to 1.2 Vp-p Composite 75ohms(NTSC/PAL Compatible)
S/N ratio	More than 53dB (AGC Off)
Min. Illumination	0.1Lux at F1.4(DSS Off), 0.003Lux at F1.4(DSS On)
Electronic Shutter Speed	1/25 - 1/30,720 second (F1.4)
Gamma Correction	Standard $\gamma = 0.45$
AGC	Programable up to 50dB
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 110mA at 24VAC
Lens	3.3-12mm VF DC Iris lens
Iris Control	DC IRIS / Manual IRIS
Operating temp./Humidity	-10°C ~ 50°C (Humidity : 0%RH ~ 80%RH)
Measurement (mm)	162.4(Ø) x 82.5(H)
Weight (Approx.g)	1,300
Function	
WDR	Auto / Off / Low / Middle / High
White Balance	ATW / AWC / Manual selectable 2,000°K ~ 11,000°K Auto
Gain Control	Off / Low / Middle / High
Gamma Correction	Auto / Manual
Back Light Compensation	Off / On, adjustable Backlight Zone
AGC	Off / Low / Middle / High
3DNR	Off / On (User selectable by OSD)
Digital Slow Shutter	Off / 2x ~ 32x (DSS)
Motion Detection	On/Off (4 Zone setting available)
Digital PTZ	Off, X1 ~ X8(Pan, Tilt)
Day / Night	Auto / Color / BW(Burst On/Off)
Reversal	NOR / MIR / VER / FLIP
Privacy Mask	Off / On (16 Zone setting available)
Protocol	Pelco-D

VD101H

3DNR Indoor Dome Camera

Analog Camera

DVR

IP Camera

NVR

Accessories



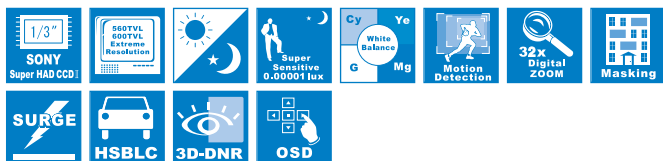
Product Information

VD101H realizes 560TVL(Day)/600TVL(Night) High Resolution with 1/3" Sony Super HAD CCD II and color signal removal technology at nighttime. Highly improved Image process engine and Sens-up technology detect subject clear in B/W mode under low light condition of 0.00001 Lux.

3D adaptive Noise Reduction Filter effectively removes the noises from the image signal under the low light and helps to reproduce a more vivid and clear image.

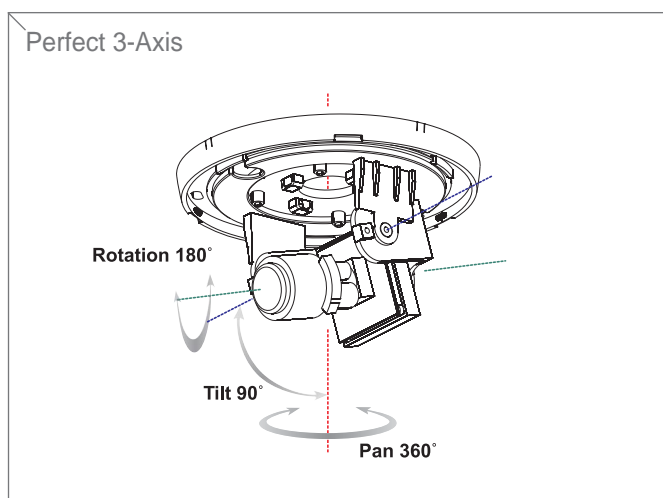
Multi-lingual OSD menu settings, RS-485 communication, Motion Detection & Privacy Masking are basically supported. They grade up the surveillances efficiently.

Perfect 3-Axis structure gets correct videos in every direction.



Key Features

- 1/3" SONY Super HAD CCD II
- 560 TVL at Day / 600 TVL at night
- 0.00001 Lux at F1.2 (SENS-UP remarkable low lux performance)
- 3DNR (3D Noise reduction)
- HSBLC (Highlight Suppression BLC)
- Privacy zone (8 zones)
- Motion detection zone (4 zones)
- Surge voltage input protection built-in
- RS-485 Interface(Pelco-D)
- Multi-lingual OSD menu
- Tool-free 3-Axis
- 12VDC, 12VDC / 24VAC dual power (Non-polarity power input)

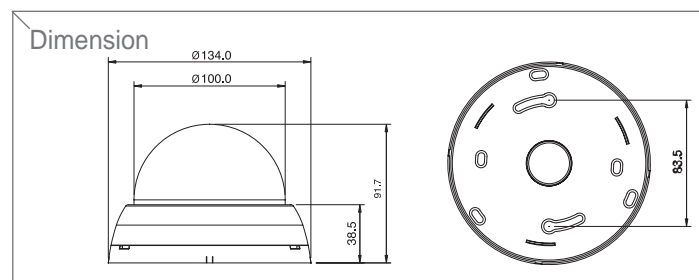


Model optionable

VD101HQ	Sony HQ1, 560/600TVL, Monofocal/Varifocal lens 12VDC, 12VDC/24VAC
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MODEL	VD101H
Image sensor	STD : 1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	NTSC : 560TV Line(Day) / 600TV Line(Night) PAL : 550TV Line(Day) / 590TV Line(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. illumination	0.00001Lux/F1.2(Sens-up), 0.1 Lux/F1.2
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$ (OSD)
White Balance	2,000°K ~ 20,000°K Auto
Gain Control	Standard : 6dB ~ 40dB, Off / Low / Middle / High
Smear Effect	0.005%
Power source	12VDC, 12VDC / 24VAC
Operating current	200mA / 12VDC, 100mA / 24VAC
Iris Control	DC / MANUAL
Lens	2.8~12mm Varifocal DC Iris Lens / F1.2
Lens Option	2.5 / 2.9 / 3.6 / 4.3 / 6 / 8 / 12 / 16mm
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement(mm)	134(Ø)x 91.7(H)
Weight (Approx.g)	500

OSD Menu	
White Balance	ATW / PUSH / MANUAL/AWC
Sens-up	x2 ~ x128
Privacy Masking	Off / On (8 programmable zones)
Motion Detection	Off / On (4 zones)
Digital zoom	Off / On (x1 ~ x32)
3DNR	Off / On



VD101H-IR

3DNR Indoor IR Dome Camera



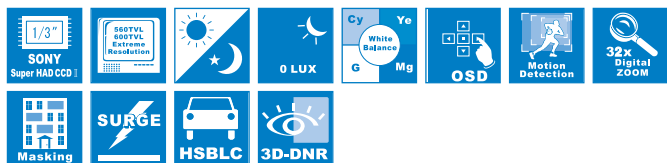
Product Information

VD101H-IR realizes 560TVL(Day)/600TVL(Night) High Resolution with 1/3" Sony Super HAD CCD II and color signal removal technology at nighttime.

Highly improved Image process engine and Sens-up technology detect subject clear in B/W mode under low light condition of 0.00001 Lux. The mode of image is instantly changed from Color at daytime to BW at nighttime at a designated lux darkness automatically. Combined with dual filter system built-in makes the camera produced a perfectly true color at daytime and a noiseless true BW image at nighttime.

3D adaptive Noise Reduction Filter effectively removes the noises from the image signal under the low light and helps to reproduce a more vivid and clear image. Multi-lingual OSD menu settings, RS-485 Communication, Motion Detection & Privacy Masking are basically supported. They grade up the surveillances efficiently.

Perfect 3-Axis structure gets correct videos in every direction.

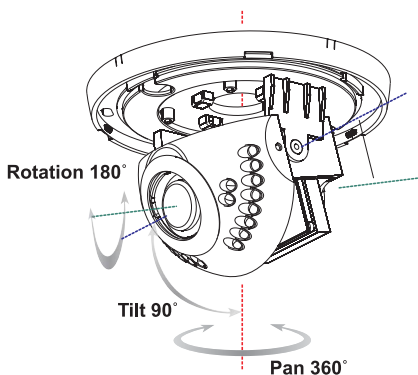


Key Features

- 1/3" Sony Super HAD CCD II
- 560 TVL at Day / 600 TVL at night
- 0.00001 Lux at F1.2 (SENS-UP remarkable low lux performance)
- 30M IR Beam Distance
- 3DNR (3D Noise reduction)
- HSBC (Highlight Suppression BLC)
- Privacy zone (8 zones)
- Motion detection zone (4 zones)
- RS-485 remote control (Pelco-D)
- Multi-lingual OSD menu
- Surge voltage input protection built-in
- Tool-free 3-Axis
- 12VDC, 12VDC / 24VAC dual power (Non-polarity power input)

MODEL	VD101H-IR
Image sensor	STD : 1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H. Resolution	NTSC : 560TV Line(Day) / 600TV Line(Night) PAL : 550TV Line(Day) / 590TV Line(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 52dB(AGC Off)
Min. illumination	0Lux
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$ (OSD)
White Balance	2,000°K ~ 20,000°K Auto
Gain Control	Standard : 6dB ~ 40dB, Off / Low / Middle / High
Smear Effect	0.005%
IR LED	850nm $\varnothing 5 \times 30^\circ \times 20$ ea
IR beam distance	30M
Power source	12VDC, 12VDC / 24VAC
Operating current	420mA / 12VDC, 180mA / 24VAC
Iris Control	DC / MANUAL
Lens	2.8-12mm Varifocal DC Iris Lens/F1.2
Lens Option	2.5 / 2.9 / 3.6 / 4.3 / 6 / 8 / 12 / 16mm
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement(mm)	134(\varnothing)x 91.7(H)
Weight (Approx.g)	520
OSD Menu	
White Balance	ATW / PUSH / MANUAL / AWC
Sens-up	x2 ~ x128
Privacy Masking	Off / On (8 programmable zones)
Motion Detection	Off / On (4 zones)
Digital zoom	Off / On (x1 ~ x32)
3DNR	Off / On

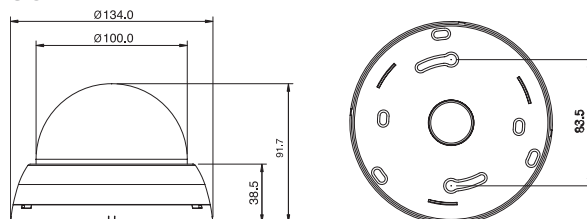
Perfect 3-Axis



Model optionable

VD101HQ-IR	Sony HQ1, 560/600TVL, Monofocal/Varifocal lens 30M IR Visible range, 12VDC, 12VDC 24VAC
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Dimension



VD70HQ

Mini Armor Dome camera



VD70HQ-S29W



VD70HQ-S29B(Wall mount)



VD70HQ-F29S



VD70HQ-F29B

Product Information

Reproducing a true natural coloration which is close to the performance of human eye adds its value to maximum. It is our own unique technology enabling a normal CCD camera to provide an extremely clear vision. With the help of this function, cameras also perform a greater resolution and better low light sensitivity.

The crystal clear Dome window is made of polycarbonate to protect the camera from even a violent attack on it. When the cover is scratched, no need to change the camera but can change the cover easily.

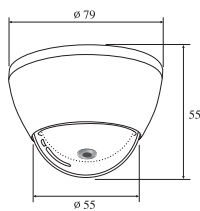
It looks so elegant as much as the camera quality stands for. The unique face aims to best fit to the environment decorative to any place. It lasts its beautiful shape long time with scratch-free coating. Easy to adjust the metal ball shaped inner camera, easy to change the lens, easy to position the camera, easy to fix the direction of the window, easy to assemble and disassemble the dome, easy to work for the cable connection and strong finish after installation are all about the dome provided by the scientific mechanism of the design.



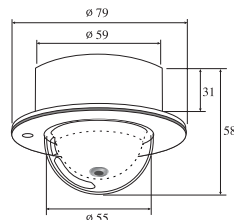
Key Features

- 1/3" High resolution Sony Super HAD CCD II
- Highly defined 560 TVL Horizontal Resolution
- Remarkable low Lux performance of 0.1 Lux/F2.0
- Covert micro compact size Dome
- Anti-vandal camera body and dome cover
- Beautiful Design !
- 12VDC
- 24VAC available(option)

Dimension



VD70HQ-S29



VD70HQ-F29

MODEL	VD70HQ-S29W / S29B / F29S / F29B
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	560 TV Lines
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.1 Lux at F2.0
BLC	Automatic
White balance	2,100°K ~ 9,100°K Auto
Gain Control	4dB ~ 32dB Auto
Gamma correction	$\gamma = 0.45$
Smear effect	0.005%
Shutter speed	NTSC : 1/60 ~ 1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
MTBF	80,000 hours
Power source	12VDC
Operation current	130mA w / regulated 12VDC power in
Lens Standard	2.9mm (120°)
Option	2.5mm(150°), 3.6mm (92°), 4.3mm (78°), 6.0 mm (54°)
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Output Terminal	4 Feet DIY cable with
Cable connection	BNC-Female for Video, DC Jack-Male for Power
Measurement (mm)	Surface Mount : 79(Ø)x 55(H) Flush Mount : 79(Ø)x 58(H)
Weight(Approx.g)	390
Optional feature	External Audio with C-Microphone " - 35dB / mV "



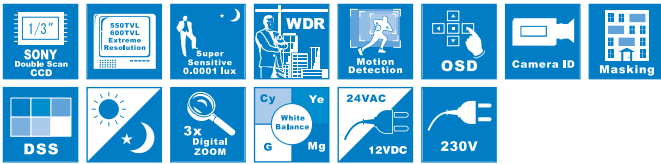
Product Information

VC57WD is a WDR day/night camera specially designed for the professional Day/Night surveillance. At daytime, the camera features a 550TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removal) resulting in the resolution and sensitivity greatly enhanced.

The unique wide dynamic technology with smart & easy-to-use OSD settings provides users with the optimum solution for the best image quality at various situations.

The camera incorporates an Intelligent CDS sensor and mechanical day/night dual filter system so that the filter is accurately switched on and off with the image changed from Color to B/W and vice versa at a designated Lux level by OSD.

Specially designed power circuit enables the camera to be operated from DC11V to DC40V and from AC15V to AC30V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation.

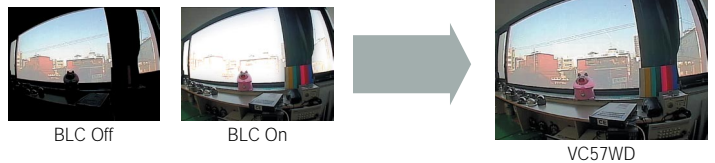


Key Features

- 1/3" Sony Double Scan CCD
- Super Wide Dynamic (sWDR)
- High resolution of 550 TVL at Day / 600 TVL at Night
- Greatly enhanced Sensitivity of 0.0001 Lux at F1.2
- Easy-to-use OSD functions (possible to control locally or remotely)
- C/CS and Flange-back focus adjustment lever built-in
- IR Sensitive mechanical Day/Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- Optic photo sensor built-in
- Auto DC / VIDEO iris
- Camera ID
- Digital zoom(1.5x, 2x, 3x)
- Digital Slow Shutter (DSS)
- Privacy masking
- Power option : 12VDC, 12VDC / 24VAC, 230VAC

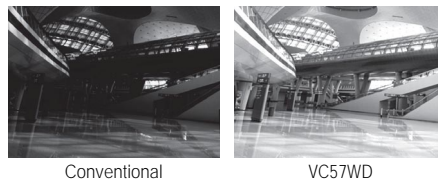
Super Wide Dynamic (sWDR)

Light level is controllable with provided easy-to-use OSD menu that enables the camera to be ideally set up for the most of different levels of backlight or contrast lighting situations.



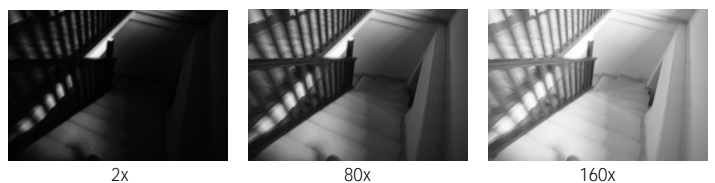
The Maximum sensitivity with the best sensor and the latest technology

Used with the latest Sony Double scan CCD sensor, the VC57WD provides the highest light sensitivity of 0.0001 Lux/F1.2. In addition the built-in Day/Night function completely removes the color signal noises for an ultra clear nighttime image quality.



Digital Slow Shutter (DSS)

The DSS function allows the camera can display the bright image even in extreme darkness.



True Day & Night image conversion for 24 hours clear view



True Day/Night switching

The image is converted to B/W mode from Color and the IR cut filter is automatically removed at a designated Lux level by OSD.



True Color with a Blue filter/Precise focus with IR filter

This dual filter mechanism is uniquely designed to have a blue filter in daytime for a precise color reproduction and to have an IR focus corrective filter at nighttime so that there is no focus shift when the IR lights are activated.

VC57WD | Wide Dynamic True Day & Night camera

Greatly improved Day & Night response

Does the picture convert itself between color and b/w at the right time exactly and is the IR illumination on and off at the same time as well? A new technology of Day and Night control is added to this device. An accurate control of image conversion and a precise operation of day & night filter movement at the right moment, give a reliable image capturing capability in Color mode at daytime and in B/W mode at nighttime.



Camera ID setting

Users can use the camera identification (Camera ID) to assign a name of the camera. The camera ID consists of up to 15 alphanumeric characters.

Digital Zoom (1.5x, 2x, 3x)

The screen can be digitally zoomed with provided OSD control.



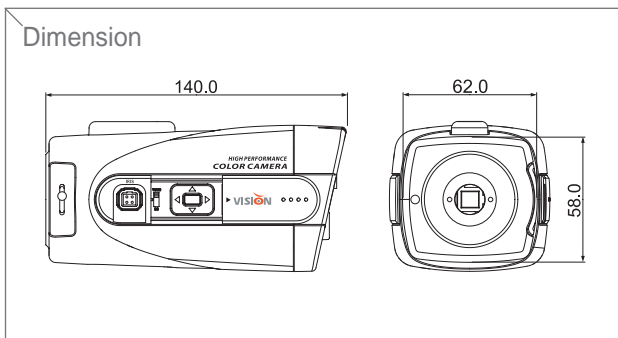
Privacy zone masking

When the unit is observing a wide area, the captured image can be masked for privacy purposes. Users can easily configure the size and position of the required privacy zones.



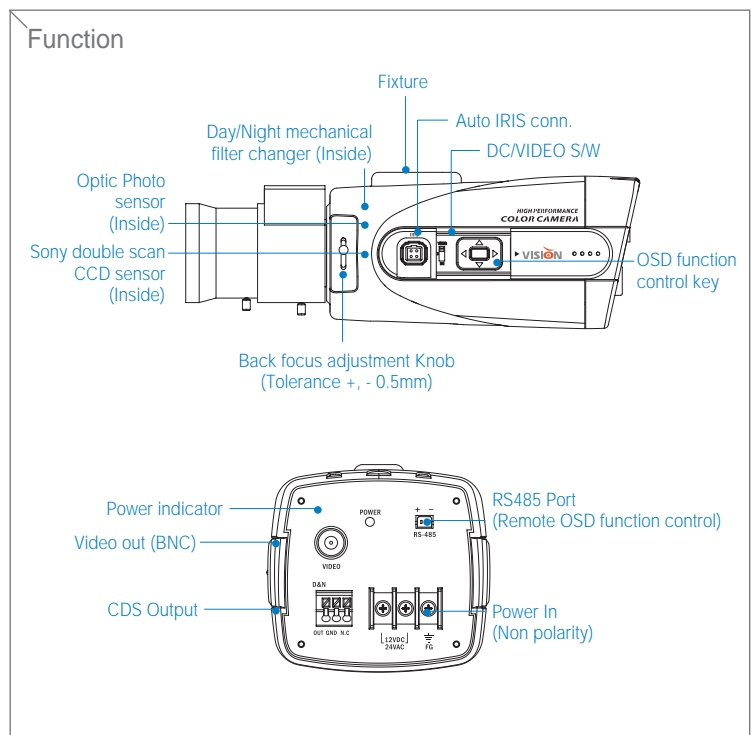
Dual switching power

The unit builds in highly efficient switching power control that self-configures 12VDC or 24VAC input. Double insulated power design guarantees no ground loop when used with multiple cameras and system equipment together through one power source.



MODEL	VC57WD
Image sensor	1/3" Sony Double Scan CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 550 TV Lines (Day) / 600 TV Lines (Night) PAL : 540 TV Lines (Day) / 590 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.2 Lux at F1.2 (DSS Off) / 0.0001 Lux at F1.2 (DSS On)
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$
White Balance	1,800°K ~ 10,500°K Auto ATW / Push Lock selectable by OSD
Gain Control	Standard : -6dB ~ 42dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC / 24VAC
Operating current	260mA at 12VDC, 130mA at 24VAC
Lens	C / CS Mount
Iris Control	ESC / Auto by slide switch
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	62(W) x 58(V) x 140(L)
Weight (Approx.g)	680

OSD Menu	
WDR/BLC	Off/On (User selectable by OSD)
White balance	Auto (ATW) / Push Lock / User selectable (Push : 1800°K-10,500°K)
Gain Control	Low, Middle, High, Off Selectable
Shutter speed	1/60 ~ 1/100,000 sec. (NTSC), 1/50 ~ 1/100,000 sec. (PAL)
Digital Slow Shutter	Off / 2x ~ 160x (DSS)
Privacy Masking	On / Off (4 programmable zones)
Digital zoom	Off, 1.5x, 2x, 3x.



Analog Camera

DVR

IP Camera

NVR

Accessories

VC57D15

Wide Dynamic True Day & Night camera



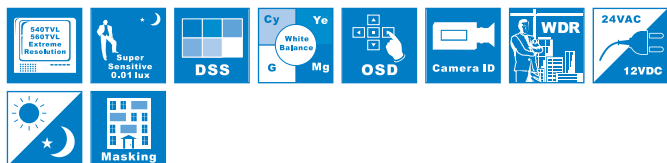
Product Information

VC57D15 is a WDR day/night camera specially designed for the professional Day/Night surveillance. At daytime, the camera features a 540TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removal) resulting in the resolution and sensitivity greatly enhanced.

The unique wide dynamic technology with smart & easy-to-use OSD settings provides users with the optimum solution for the best image quality at various situations.

The camera incorporates an Intelligent CDS sensor and mechanical day/night dual filter system so that the filter is accurately switched on and off with the image changed from Color to B/W and vice versa at 5 lux darkness.

Specially designed power circuit enables the camera to operate from DC11V to DC40V and from AC15V to AC30V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation.



Key Features

- 1/3" WDR Digital imaging device
- Pixim Super Wide Dynamic (sWDR)
- High resolution of 540 TVL at Day / 560 TVL at Night
- Greatly enhanced Sensitivity of 0.01 Lux at F1.2 (DSS On)
- Easy-to-use OSD functions (possible to control locally or remotely)
- C/CS and Flange-back focus adjustment lever built-in
- IR Sensitive mechanical Day/Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- Optic photo sensor built-in
- Auto DC / VIDEO iris
- Camera ID
- Digital Slow Shutter (DSS)
- Privacy masking
- RS-485 Interface
- Power option : 12VDC, 12VDC / 24VAC

Super Wide Dynamic (sWDR)

Light level is controllable with provided easy-to-use OSD menu that enables the camera to be ideally set up for the most of different levels of backlit or contrast lighting situations.



CCD

VC57D15

The Maximum sensitivity with the best sensor and the latest technology

Used with the latest Pixim WDR sensor, VC57D15 provides the highest light sensitivity of 0.01 Lux/F1.2. In addition the built-in Day/Night function completely removes the color signal noises for an ultra clear nighttime image quality.

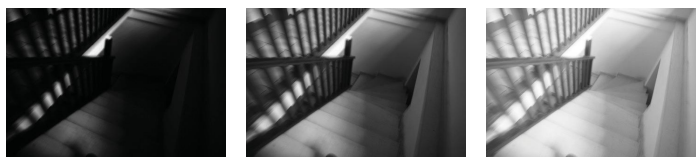


Conventional

VC57D15

Digital Slow Shutter (DSS)

The DSS function allows the camera can display the bright image even in extreme darkness.



2x

8x

32x

True Day & Night image conversion for 24 hours clear view



True Day/Night switching

The image is converted to B/W mode from Color and the IR cut filter is automatically removed at 5 lux darkness.



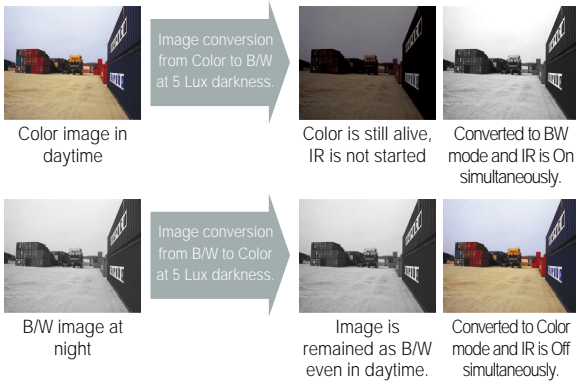
True Color with a Blue filter/Precise focus with IR filter

This dual filter mechanism is uniquely designed to have a blue filter in daytime for a precise color reproduction and to have an IR focus corrective filter at nighttime so that there is no focus shift when the IR lights are activated.

VC57D15 | Wide Dynamic True Day & Night camera

Greatly improved Day & Night response

Does the picture convert itself between color and b/w at the right time exactly and is the IR illumination on and off at the same time as well? A new technology of Day and Night control is added to this device. An accurate control of image conversion and a precise operation of day & night filter movement at the right moment, give a reliable image capturing capability in Color mode at daytime and in B/W mode at nighttime.



Camera ID setting

Users can use the camera identification (Camera ID) to assign a name of the camera. The camera ID consists of up to 12 alphanumeric characters.

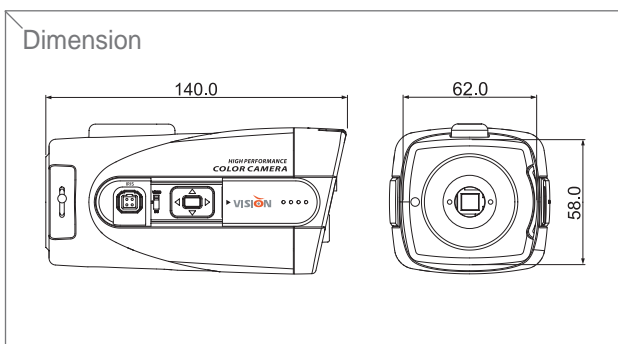
Privacy zone masking

When the unit is observing a wide area, the captured image can be masked for privacy purposes. Users can easily configure the size and position of the required privacy zones.

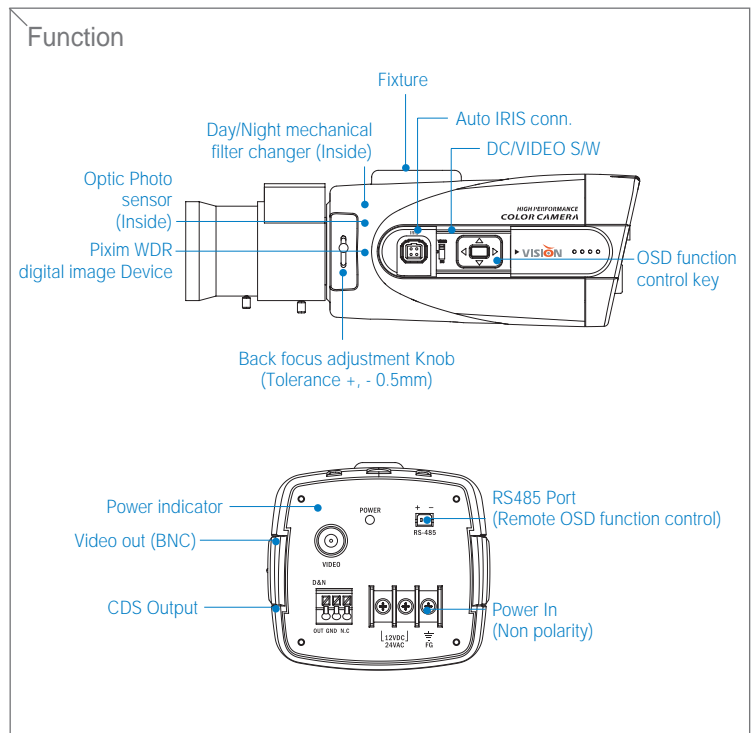


Dual switching power

The unit builds in highly efficient switching power control that self-configures 12VDC or 24VAC input. Double insulated power design guarantees no ground loop when used with multiple cameras and system equipment together through one power source.



MODEL	VC57D15
Image sensor	1/3" Pixim WDR digital imaging device
Effective Pixels	720(H) x 540(V)
H.Resolution	540 TV Lines (Day) / 560 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC / PAL-compatible
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.3 Lux at F1.2 (DSS Off) / 0.01Lux at F1.2 (DSS On)
Back Light Compensation	On / Off by OSD
Camera ID	Up to 12 characters (alphanumeric and symbols)
Gamma correction	Standard $\gamma = 0.45$
White Balance	2,000°K ~ 11,000°K Auto ATW / AWC / MANU selectable by OSD
Gain Control	Standard : -6dB ~ 42dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC, 12VDC / 24VAC
Operating current	200mA at 12VDC, 100mA at 24VAC
Lens	C/CS Mount
Iris Control	ESC / Auto by slide switch
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	62(W) x 58(V) x 140(L)
Weight (Approx.g)	680
OSD Menu	
WDR	Off / low / middle / high
White balance	ATW / AWC / MANU User selectable
Gain Control	Low, Middle, High, Off Selectable
Digital Slow Shutter	Off / 2x ~ 32x (DSS)
DAY/NIGHT	COLOR / BW / AUTO (Day & Night)





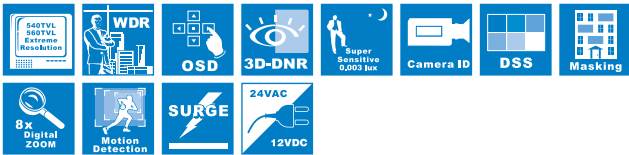
Product Information

VC57D88 powered by Pixim's new digital pixel system is wide dynamic true day/night box camera with extremely enhanced low light capability and high resolution of 570TVL.

Super Wide Dynamic Range (sWDR) enables the camera to be ideally set up for different levels of backlit or contrasting lighting.

3D-DNR realizes noiseless clear pictures in low light conditions by effectively eliminating any ghost effect.

The mechanical day/night filter by ICR (Infrared Cut-filter Removal) realizes perfect day/night capability.



Key Features

- 1/3" Pixim WDR Digital Imaging Device
- High Resolution of 570TVL(H) / 460TVL(V)
- Dynamic Range 120dB Maximum
- Greatly enhanced Sensitivity of 0.003 Lux at F1.2 (DSS On)
- C/CS and Flange-back focus adjustment lever built-in
- IR Sensitive Mechanical Day/Night Filter System Built-in
- Optic photo sensor built-in
- 3DNR (3D Motion Adaptive Noise Reduction)
- SNR(53dB max)
- Digital Slow Shutter(DSS 32x max)
- Privacy Zones(16 programmable zones)
- RS-485 Interface(Pelco-D)
- 12VDC/24VAC Non-polarity Power Input

True Day & Night image conversion for 24 hours clear view



True Day/Night switching

The image is converted to B/W mode from Color and the IR cut filter is automatically removed at 5Lux darkness.

True Color with a Blue filter/Precise focus with IR filter

This dual filter mechanism is uniquely designed to have a blue filter in daytime for a precise color reproduction and to have an IR focus corrective filter at nighttime so that there is no focus shift when the IR lights are activated.

Super Wide Dynamic (sWDR)

Light level is controllable with provided easy-to-use OSD menu that enables the camera to be ideally set up for the most of different levels of backlit or contrast lighting situations.



CCD



VC57D88

No "camera blindness"



Conventional CCD camera



VC57D88

Greatly Enhanced Sensitivity Of 0.003 Lux at F1.4



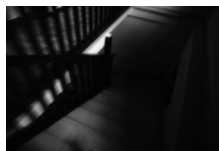
Conventional CCD camera



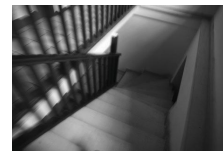
VC57D88

Digital Slow Shutter (DSS)

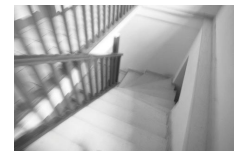
The DSS function allows the camera can display the bright image even in extreme darkness.



2x



8x



32x

VC57D88 | Wide Dynamic True Day & Night Box Camera

Greatly improved Day & Night response

Does the picture convert itself between color and B/W at the right time exactly and is the IR illumination on and off at the same time as well? A new technology of Day and Night control is added to this device. An accurate control of image conversion and a precise operation of day & night filter movement at the right moment give a reliable image capturing capability in color mode at daytime and in B/W mode at nighttime.



Camera ID setting

Users can use the camera identification(Camera ID) to assign a name of the camera. The camera ID consists of up to 12 alphanumeric characters.

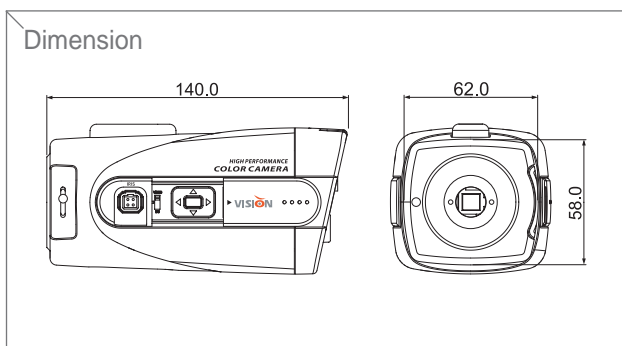
Privacy zone masking

When the unit is observing a wide area, the captured image can be masked for privacy purposes. Users can easily configure the size and position of the required privacy zones.



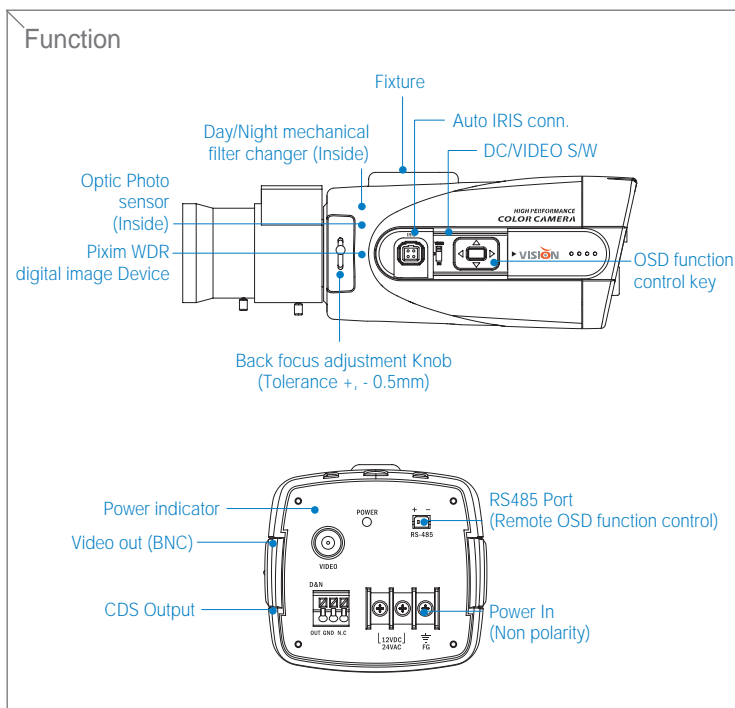
Dual switching power

The unit builds in highly efficient switching power control that self-configures 12VDC or 24VAC input. Double insulated power design guarantees no ground loop when used with multiple cameras and system equipment together through one power source.



MODEL	VC57D88
Image sensor	1/3" WDR digital imaging device
Dynamic Range	102dB typical / 120dB max.
Video capture	Progressive Scan 50fps / 60fps
Transfer format	PsF (Progressive with Segmented Frames)
Total Pixels	768(H) x 548(V) pixel
Effective Pixels	758(H) x 540(V) pixel
Resolution	570 TVL(H) / 460 TVL(V)
Synchronizing system	Internal
Video output	1.0 to 1.2 Vp-p Composite 75 Ohms(NTSC/PAL Compatible)
S/N ratio	More than 53dB (AGC Off)
Min. Illumination	0.1Lux at F1.4(DSS Off), 0.003Lux at F1.4(DSS On)
Electronic Shutter Speed	1/25 - 1/30,720 second (F1.4)
Gamma Correction	Standard $\gamma = 0.45$
AGC	Programable up to 50dB
Power source	12VDC / 24VAC
Operating current	200mA at 12VDC 110mA at 24VAC
Lens	C/CS Mount
Iris Control	ESC/Auto by slide switch
Operating temp./Humidity	-10°C ~ 50°C (Humidity : Within 90% RH)
Measurement (mm)	62(W) x 58(H) x 140(L)
Weight (Approx.g)	680

Function	
WDR	Auto / Off / Low / Middle / High
White Balance	ATW / AWC / Manual selectable 2,000°K ~ 11,000°K Auto
Gain Control	Off / Low / Middle / High
Gamma Correction	Auto / Manual
Back Light Compensation	Off / On, adjustable Backlight Zone
AGC	Off / Low / Middle / High
3DNR	Off / On (User selectable by OSD)
Digital Slow Shutter	Off / 2x ~ 32x (DSS)
Motion Detection	On/Off (4 Zone setting available)
Digital PTZ	Off, X1 ~ X8(Pan, Tilt)
Day / Night	Auto / Color / BW(Burst On/Off)
Reversal	NOR / MIR / VER / FLIP
Privacy Mask	Off / On (16 Zone setting available)
Protocol	Pelco-D



Analog Camera

DVR

IP Camera

NVR

Accessories

VC56H

3DNR HSBLC Box camera



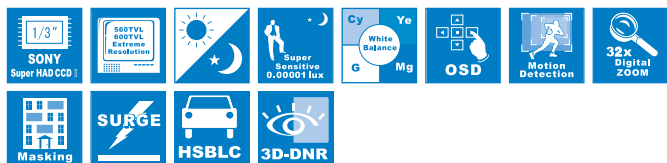
Product Information

VC56H realizes 560TVL(Day)/600TVL(Night) High Resolution with 1/3" Sony Super HAD CCD II and color signal removal technology at nighttime. Highly improved Image process engine and Sens-up technology detect subject clear in B/W mode under low light condition of 0.00001 Lux.

3D adaptive Noise Reduction Filter effectively removes the noises from the image signal under the low light and helps to reproduce a more vivid and clear image.

With the built-in HSBLC(Highlight Suppression BLC) technology, the unit can make the selected highlights masked and the dark brightened simultaneously to capture the numbers on the License Plate clearly at nighttime.

Multi-lingual OSD menu settings, RS-485 communication, Motion Detection & Privacy Masking are basically supported. They grade up the surveillances efficiently.



Key Features

- 1/3" Sony Super HAD CCD II
- 560 TVL at Day / 600 TVL at night
- 0.00001 Lux at F1.2 (SENS-UP remarkable low lux performance)
- 3DNR (3D Noise reduction)
- HSBLC (Highlight Suppression BLC)
- Privacy zone (8 zones)
- Motion detection zone (4 zones)
- RS-485 Interface(Pelco-D)
- Multi-lingual OSD menu
- Surge voltage input protection built-in
- Reverse polarity power input protection built-in
- 12VDC/12VDC-24VAC/230VAC

3DNR(3D Noise reduction)



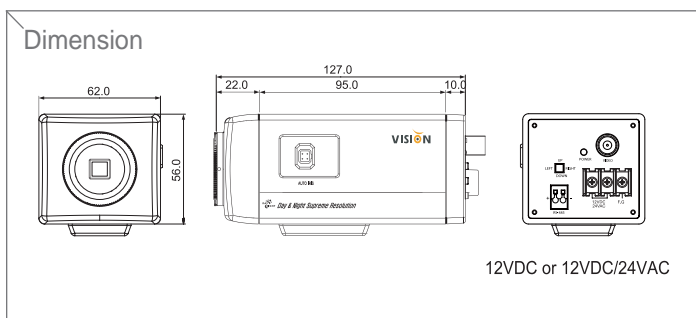
With 3D Noise Reduction(3DNR) embedded, it produces extremely clear picture quality, even under low light condition for 24/7 surveillance.

HSBLC(Highlight Suppression BLC)



It cuts off the strong lighting like the headlight. According to user's adjustment, zones & sensitivity can be adjustable. In case of car surveillance, it remarkably performs recognizing license plate or subject.

MODEL	VC56H
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494 (V) PAL : 752(H) x 582 (V)
H.Resolution	NTSC : 560TV Lines (Day) / 600 TV Lines (Night) PAL : 550 TV Lines (Day) / 590 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 52dB (AGC Off)
Min. illumination	0.00001Lux/F1.2(Sens-up), 0.1 LUX/F1.2
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$ (OSD)
White Balance	2,000°K ~ 20,000°K Auto
Gain Control	Standard : 6dB ~ 40dB, Off / Low / Middle / High
Smart Effect	0.005%
Power source	12VDC, 12VDC / 24VAC, 230VAV
Operating current	130mA, 180mA/ 90mA, 30mA
Iris Control	DC / MANUAL
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	62(W) X 56(V) X 127(L)
Weight (Approx.g)	420/420/510
OSD Menu	
White Balance	ATW / AWB / MANUAL / AWC
Sens-up	x2 ~ x128
Privacy Masking	Off / On (8 programmable zones)
Digital zoom	Off / On (x1 ~ x32)
3DNR	Off / On



VC34HQ

Mini C/CS Box camera

Analog Camera

DVR

IP Camera

NVR

Accessories



Product Information

The image is automatically converted from Color to B/W at 5 Lux darkness.

This function maintains the picture quality at daytime true Color and noiseless clear B/W image at nighttime enhancing the sensitivity and resolution up to 600TVL.

With a new DSP and high performance sensor, the camera offers a supreme high resolution of 560TVL at daytime in Color image and 600TVL at nighttime in B/W image.

White balance control selectable by Push lock mode or ATW mode enhances the camera's image reproduction capability, suitable for all environments and in variable light circumstances.

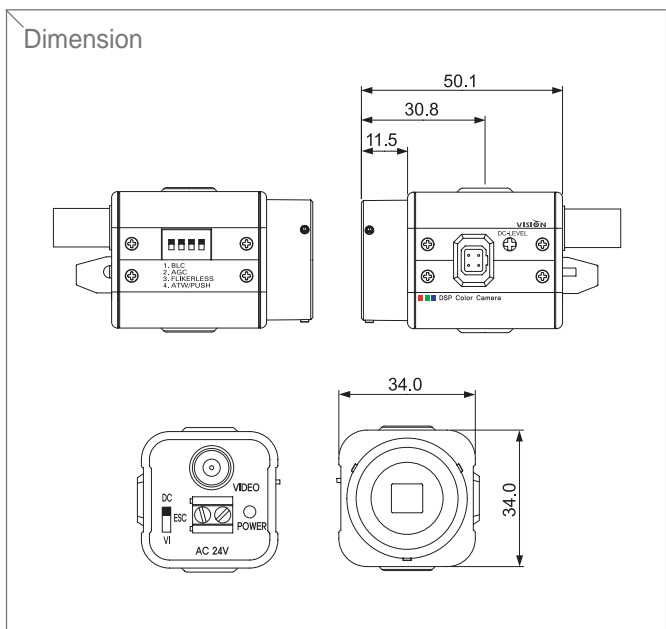
By using a Sony Super HAD CCD II, the camera offers an extremely high sensitivity of up to 0.1lux/F1.2 (Sony Ex-view HAD : 0.01Lux/F1.2)



Key Features

- High resolution of 560TVL(Day) / 600TVL(Night)
- Super Low Lux Sensitivity of 0.1Lux/F1.2(Super HAD II)
0.01Lux/F1.2(Ex-view HAD)
- Day & Night (Automatic conversion from Color to B/W at 5 Lux)
- Extremely accurate color reproduction with 10 bit data process
- Built-in DIP SW (BLC On/Off, AGC Nor/Max, ATW/Push Lock, Flickerless On/Off) Function
- Surge voltage input protection built-in
- Reverse polarity power input protection built-in
- 12VDC
- 24VAC available(option)

MODEL	VC34HQ/VC34HQX
Image sensor	1/3" Sony Super HAD CCD II / Ex-view HAD CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	560 TV Lines (Day) / 600 TV Lines (Night)
Sync. system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.1 Lux at F1.2 (Super HAD II), 0.01 Lux at F1.2(Ex-view HAD)
White balance	ATW/AWC/Manual selectable(2,100°K-9,100°K)
BLC	On / Off
AGC	On / Off
Flickerless	On / Off
Shutter speed	NTSC : 1/60 - 1/100,000 sec. PAL : 1/50 - 1/100,000 sec.
Power source	12VDC
Operation current	130mA
Lens mount	C-Mount (17.5mm Frange back) ~ CS-Mount (12.5mm Frange back) & Fine focus ±1.0mm
Iris Control	Video Iris/DC Iris
Operating Temp.	14°F-122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement(mm)	34(W) x 34(V) x 50(L)
Weight(Approx. g)	200



VF50HQ

All-in One Box camera



Product Information

Taking advantage of the latest DSP technologies, the horizontal resolution is greatly improved up to 560TVL(Day) and 600TVL(Night).

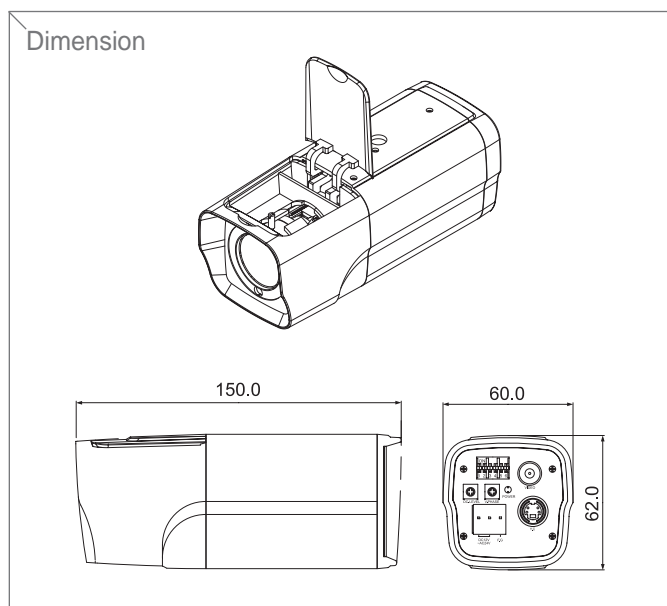
The unit incorporates a special image enhance technology with the latest 10bit A/D process, producing a very clean and extremely true image quality. The mode of image is instantly changed from Color at daytime to BW at nighttime at 5 lux darkness automatically. Combined with dual filter system built-in makes the camera produced a perfectly true color at day and a noiseless true BW image at night. The unit incorporates a self focus adjustment technology that precisely corrects the focus shift when IR illumination is activated at night. Built-in 4mm-9mm lens is with dual filters that automatically switch on and off between Day and Night. 9mm-22mm is available by option.

Specially designed to be able to operate from DC11V to DC40V and from AC15V to AC30V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation. It accepts either 12VDC power supply or 24VAC unit with non polarity input .

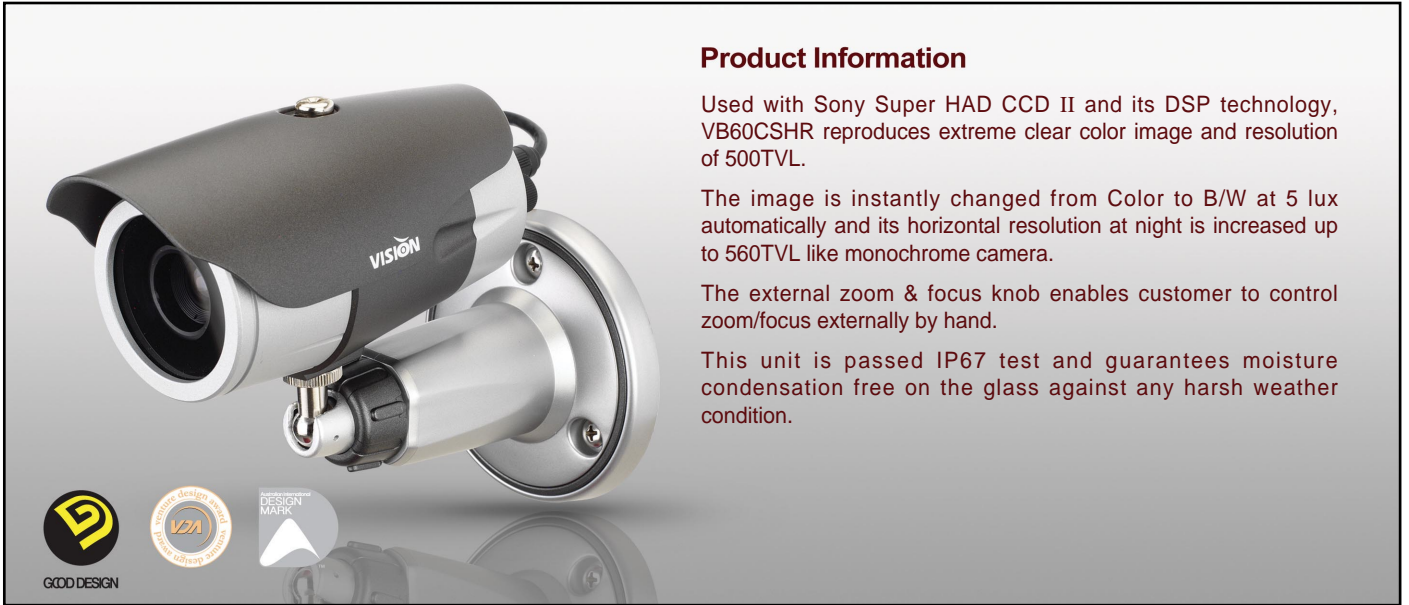


Key Features

- 1/3" Sony Super HAD CCD II / Ex-view HAD CCD
- High resolution of 560 TV Lines at Day/600 TV Lines at Night
- Excellent Sensitivity of 0.1 Lux / F1.6 - Super HAD II
0.01 Lux / F1.6 - Ex-view HAD
- True Color at Day and Real B/W at Night conversion with Removable filter built-in (IR Sensitive True DN)
- 10bit A/D data process
- Precision Varifocal lens built-in
- Compact and stylish modern design.
- 12VDC or 12VDC/24VAC Non-polarity Dynamic dual power input



MODEL	VF50HQ
Image sensor	1/3" Sony Super HAD CCD II / Ex-view HAD CCD
Effective Pixels	NTSC : 768(H) X 494(V) PAL : 752(H) X 582(V)
H.Resolution	560 TV Lines (Day) / 600 TV Lines (Night)
Sync. system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.1 Lux at F1.6 (Super HAD II) 0.01 Lux at F1.6 (Ex-view HAD)
White balance	ATW/Push Lock (2,100°K~9,100°K)
BLC	On / Off
AGC	Nor / Max
Gamma correction	$\gamma = 0.45 / \gamma = 1.0$
Shutter speed	NTSC : 1/60 - 1/100,000 sec. PAL : 1/50 - 1/100,000 sec.
Smear effect	0.005%
MTBF	80,000 hours
Power source	12VDC/24VAC
Operation current	12VDC : 130mA(Tol. 11-40V) 24VAC : 75mA(Tol. 15-30V)
Lens	4-9mm Varifocal Auto DC Iris (Dual Filter)
Iris Control	ESC/DC Iris
Operating Temp.	14° F~122° F (-10° C ~ +50° C)
Humidity	Within 90% RH
Measurement(mm)	60(W) x 62(V) x 150(L)
Weight(Approx.g)	650
IR Sensitivity	830nm-960nm
Dip SW fuction	ALC/ESC, BLC On / Off, AGC STD/Max, Gamma 0.45/1.0 WB ATW / Push Lock, Flickerless On / Off
Rear panel	Video out- BNC Power Indicator - Red LED Power input terminal - 3 Pin screw joint Line phase volume - (+) VR DIP SW - 6 Pin Iris volume - DC level adjustment S-Video output - 4 Pin mini-din jack



Product Information

Used with Sony Super HAD CCD II and its DSP technology, VB60CSHR reproduces extreme clear color image and resolution of 500TVL.

The image is instantly changed from Color to B/W at 5 lux automatically and its horizontal resolution at night is increased up to 560TVL like monochrome camera.

The external zoom & focus knob enables customer to control zoom/focus externally by hand.

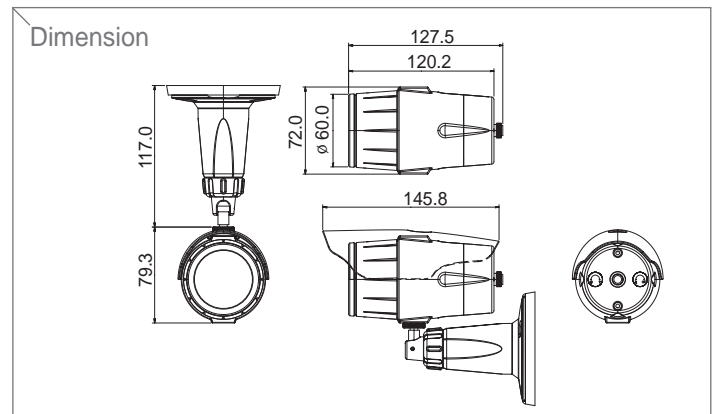
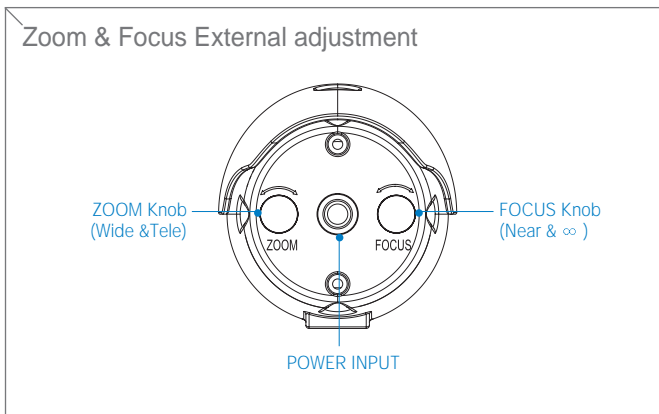
This unit is passed IP67 test and guarantees moisture condensation free on the glass against any harsh weather condition.



Key Features

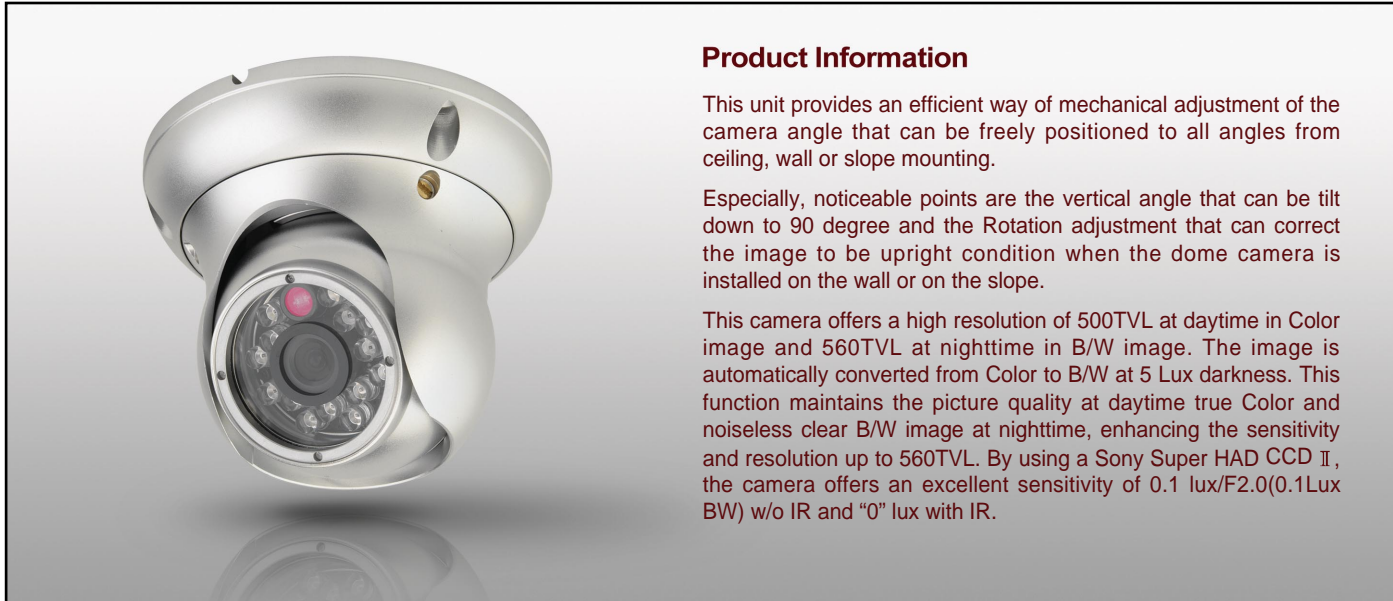
- 1/3" Sony Super HAD CCD II
- 500 TVL(D) / 560 TVL(N)
- Remarkable low Lux performance of 0.1 Lux at F1.6
- Remarkably True Color reproduction
- Lens : 4~9mm / 9~22mm Varifocal lens
- Excellent Back Light Compensation
- Excellent Auto White Balance
- Extremely reliable power input range
- Reverse Polarity Input protection circuit built-in
- Focus External Adjustment
- 12VDC
- 24VAC available(option)

MODEL	VB60CSHR-VF
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 500 TV Lines (Day) / 560 TV Lines (Night) PAL : 490 TV Lines (Day) / 550 TV Lines (Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.1 Lux at F1.6
Shutter Speed	NTSC : 1/60~1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$
White Balance	Auto 2,100°K ~ 9,100°K
Gain Control	Auto. 0dB - 32dB
Smear Effect	0.005%
Power source	12VDC
Operating current	120mA
Lens	4~9mm Varifocal Manual lens
Lens Option	9~22mm Varifocal Manual lens
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	60(D) x 127.5(L)
Weight (Approx.g)	960



VD70CSHR-IR

Mini Armor IR Dome camera



Product Information

This unit provides an efficient way of mechanical adjustment of the camera angle that can be freely positioned to all angles from ceiling, wall or slope mounting.

Especially, noticeable points are the vertical angle that can be tilted down to 90 degree and the Rotation adjustment that can correct the image to be upright condition when the dome camera is installed on the wall or on the slope.

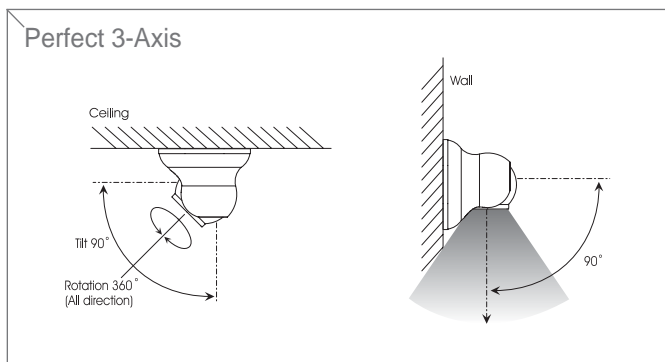
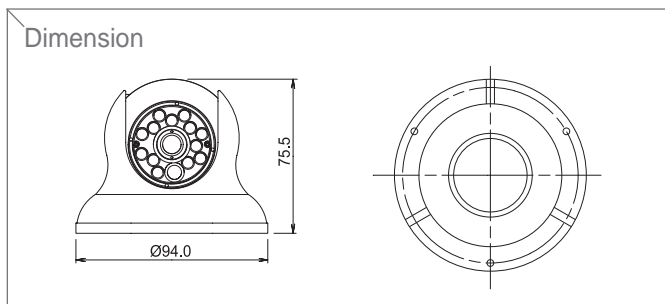
This camera offers a high resolution of 500TVL at daytime in Color image and 560TVL at nighttime in B/W image. The image is automatically converted from Color to B/W at 5 Lux darkness. This function maintains the picture quality at daytime true Color and noiseless clear B/W image at nighttime, enhancing the sensitivity and resolution up to 560TVL. By using a Sony Super HAD CCD II, the camera offers an excellent sensitivity of 0.1 lux/F2.0(0.1Lux B/W) w/o IR and "0" lux with IR.



Key Features

- 1/3" Sony Super HAD CCD II
- Highly defined 500 TVL(D) / 560TVL(N)
- 15M IR Beam Distance
- Compact & Beautiful Design
- Easy Install mechanism
- Surge power protection built-in
- Reverse polarity power input protection built-in
- Weatherproof for universal install at Indoor or Outdoor (IP66)
- 12VDC
- 24VAC available(option)

MODEL	VD70CSHR-IR
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	NTSC : 768(H)X494(V) PAL : 752(H)X582(V)
H.Resolution	500TVL(Day) / 560TVL(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite, 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. Illumination	0Lux
BLC	Automatic
White balance	2,100°K ~ 9,100°K Auto
Gain Control	4dB~32dB Auto
Gamma correction	$\gamma = 0.45$
Smear effect	0.005%
Shutter speed	NTSC : 1/60 ~ 1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
LED Spectrum	850nm IR LED x 14ea
IR beam Distance	15M
MTBF	20,000 hours
Power source	12VDC
Operation current	200mA w / regulated 12VDC power in
Lens Standard	3.6mm (92°)
Option	2.9mm, 4.3mm, 6mm, 8mm
Operating Temperature	14°F~122°F (-10°C ~ +75.5°C)
Humidity	Within 90% RH
Output Terminal	4 Feet DIY cable with
Cable connection	BNC-Female for Video, DC Jack-Male for Power
Measurement (mm)	94(Ø)x 75.5(H)
Weight(Approx.g)	650
Optional feature	External Audio with C-Microphone " - 35dB / mV "





Product Information

Used with the latest Sony DSP technology, the unit produces an extremely high resolution. The smart idea with user friendly housing mechanism makes it possible to adapt a wide range of different focal lens and installer can change the lens with no special skill. Our weatherproof versions provide a perfect solution for moisture leakage problem against any harsh weather condition.

The image is instantly changed from Color to BW at 5 lux (Color at day and BW at night). By this function, the horizontal and vertical resolution is greatly improved at nighttime mode and the low lux performance is improved a lot as well by utilizing the benefit of BW camera.

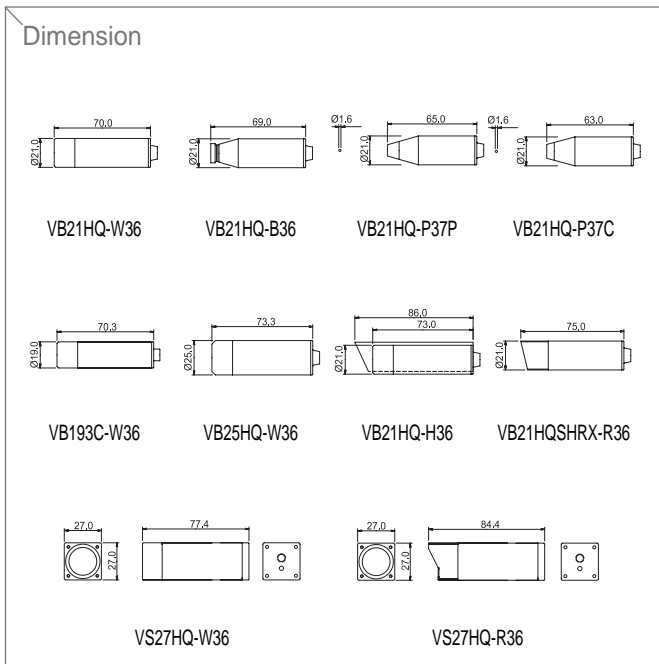
Our fine craftsmanship reaches not only to the picture quality and compact size but also to the products Good Design. Universal type of mounting structure plus user friendly developed camera design provides a useful way of installation mountable to any place such as on the ceiling, on the wall and on the corner. Color CCD sensor is responded to IR illumination at night.



Key Features

- 1/3" Sony Super HAD CCD II
- 560TVL(Day) / 600TVL(Night)
- Instant image conversion from Color to B/W at 5 Lux
- Extreme accurate color reproduction with 10 bit data process
- Super miniature size
- Excellent color reproduction
- Remarkable low Lux performance
- Extremely reliable operating power tolerance
- Reverse Polarity Input protection circuit built-in
- 12VDC
- 24VAC available(option)

MODEL	VB21HQ/VB25HQ/VS27HQ
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	Med-Res - NTSC : 512(H)x492(V) PAL : 500(H)x582(V) High-Res - NTSC : 768(H)x494(V) PAL : 752(H)x582(V)
H.Resolution	Med-Res : 400TVL(Day) / 420TVL(Night) Hi-Res : 500TVL(Day) / 560TVL(Night) Hi-Res(HQ) : 560TVL(Day) / 600TVL(Night)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.1 Lux at F2.0
BLC	Automatic
White balance	2,100°K - 9,100°K Auto
Gain Control	4dB ~30dB Auto
Gamma correction	$\gamma = 0.45$
Smear effect	0.005%
Shutter speed	NTSC : 1/60 - 1/100,000 sec. PAL : 1/50 - 1/100,000 sec.
MTBF	80,000 hours
Power source	12VDC
Operation current	130mA w / regulated 12VDC in
Lens	Board lens : 3.6mm(92°) Board lens option : 2.5mm(145°), 2.9mm(120°), 4.3mm(78°), 6.0mm(54°), 8.0mm(39°), 12.0mm(26°), 16.0mm(19°) Pinhole Lens option Peak Cone : 2.8(130°), 3.7(90°), 5.0(78°) Semi Cone : 2.8(130°), 3.7(90°), 5.0(78°)
Operating Temperature	14°F~122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Output Terminal	4 Feet DIY cable with BNC-Female for Video, DC Jack-Male for Power
Measurement (mm)	Refer to dimensions
Weight(Approx.g)	180 / 200 / 240
Optional Function 1	External Audio with C-Microphone " - 35dB / mV "
Optional Function 2	Infra-Red Light sensitivity
Optional Function 3	Reverse Image



VQ253/293/33

Miniature camera



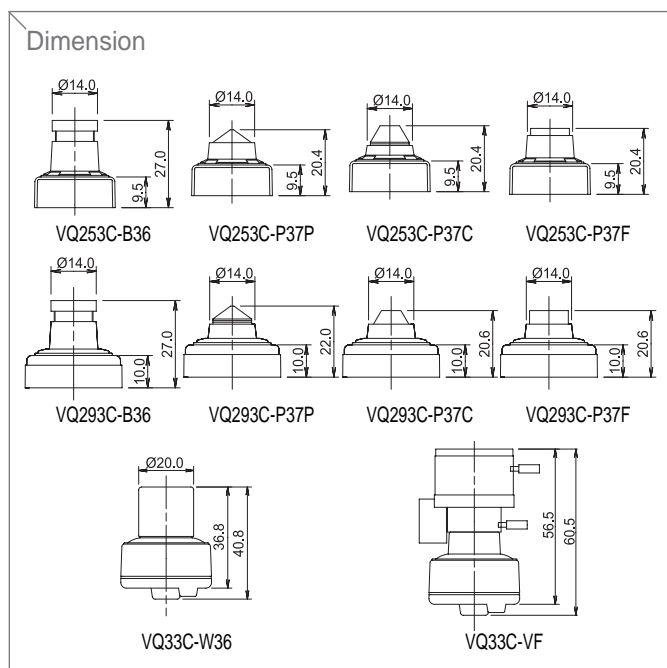
Product Information

It is an integrated output from a perfect combination of sophisticated hardware and software technology. This wonderful achievement includes 1/3" CCD sensor into the world's smallest square camera and our own noise-free power circuit. Brighter than ever at dark illumination, 0.3 lux at F2.0. The real value is in making the unit performed a reliable functions & quality not loosing its principal purpose. Our fine craftsmanship reaches not only to the picture quality and compact size but also to the products Good Design. The unit is supported with a variety of optical solutions in order to cover a dynamic range of applications with a different viewable distance. All lenses are structured with a group of glasses so as to maintain a clear resolution over the full screen. Installer can change the lens with no special skill. It covers 9-18VDC of power input and requires less than 80mA. This is critical for the reliability as it produces less heat and protects it from damage against bad power supply or fluctuating AC power input. Universal type of mounting structure provides a useful way of installation mountable to any place such as on the ceiling, on the wall, and on the corner.



Key Features

- 1/3" Super Sensitive CCD
- Super miniature size
- 380/480/500 TVL Horizontal Resolution
- Excellent color reproduction
- Remarkable low Lux performance of 0.3 Lux at F2.0 fixed lens
- Extremely reliable operating power tolerance
- Reverse Polarity Input protection circuit built-in
- 12VDC
- 24VAC available(option)



MODEL	VQ253C / VQ293C / VQ33C
Image sensor	1/3" Super Sensitive CCD
Effective Pixels	Med-Res - NTSC : 512(H)x492(V) PAL : 500(H)x582(V) High-Res - NTSC : 768(H)x494(V) PAL : 752(H)x582(V)
H.Resolution	380TVL(Med-Res) / 480TVL or 500TVL(High-Res)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.3 Lux at F2.0
BLC	Automatic
White balance	2,100°K - 9,100°K Auto
Gain Control	4dB~30dB Auto
Gamma correction	$\gamma = 0.45$
Smear effect	0.005%
Shutter speed	NTSC : 1/60 - 1/100,000 sec. PAL : 1/50 - 1/100,000 sec.
MTBF	80,000 hours
Power source	12VDC
Operation current	80mA w / regulated 12VDC in
Lens	Board lens : 3.6mm(92°) Board lens option : 2.5mm(145°), 2.9mm(120°), 4.3mm(78°), 6.0mm(54°), 8.0mm(39°), 12.0mm(26°), 16.0mm(19°) Pinhole Lens option : Peak Cone : 2.8(130°), 3.7(90°), 5.0(78°) Semi Cone : 2.8(130°), 3.7(90°), 5.0(78°) Flat Cone : 2.8(130°), 3.7(90°), 5.0(78°) Varifocal Lens option : 4-9mm VF Manual Iris (D92.6°~39.4°, D71°~31.6°) 2.6-6mm VF Manual Iris (D134°~59°, D105°~47°)
Operating Temperature	14°F~122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Output Terminal	4 Feet DIY cable with BNC-Female for Video, DC Jack-Male for Power
Measurement (mm)	Refer to dimensions
Weight(Approx.g)	80 / 90 / 110
Optional Function 1	Internal/External Audio with C-Microphone " - 35dB / mV "
Optional Function 2	Reverse Image



VL100



VL60

Product Information

The unit incorporates an IR protection technology to prevent IR LEDs from overheating and to expand the lifespan of IR operation to maximum. The lifespan of this model is at least twice longer than that of conventional IR illuminators. It comes with sturdy mounting bracket that can be pointed to all possible directions required. Main body is constructed with robust metal so that it can withstands extremely harsh weather conditions. IP67 WEATHERPROOF mechanism totally prevents the unit from dust, moisture and shower. The built-in CDS sensor (photo cell) is combined with an accurate IR on/off regulation technology so that IR illumination is on at night and off at day at a designated lux level automatically. No worry about unstable IR on/off.

Key Features

- Moisture condensation-free
- Long Viewable distance at 0 Lux
- Weatherproof (IP67)
- Extremely low power consumption
- IR light control externally
- Automatic IR On/Off
- Extremely reliable performance and Long life

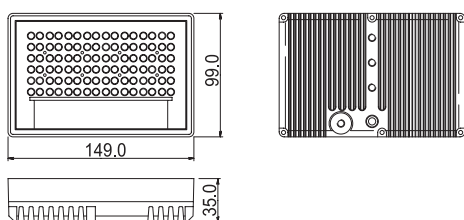
MODEL	VL100
IR spectrum	850nm IR LED x 96EA
IR beam distance	70M(10°) / 50M(20°) / 40M(30°)
MTBF	20,000 hours
Power source	12VDC / 1.5A Required, 24VAC(20 ~ 28V) / 1A Required
Operation current	780mA or less 480mA or less
Operating Temp	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Output Terminal	30cm L/W
Measurement (mm)	149(W) x 99(V) x 35(L)
Weight(Approx.g)	1,300
IR Option	Invisible IR LED (λ = 940nm 10°, 20°, 30°)

Key Features

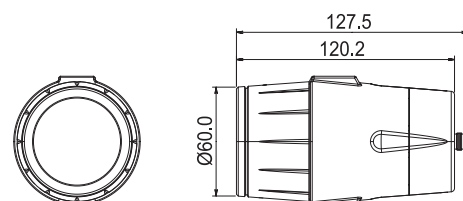
- VL60 ILLUMINATOR
- IR spectrum : High power 850nm-14ea
- Input voltage : 24VDC
- Current : 350mA
- IP67 Weatherproof
- Long IR beam Distance : 50M View
- Installation with existing telephone cable up to 100M long

MODEL	VL60
IR Spectrum	High Power 850nm
IR beam distance	50M(15°)
MTBF	20,000 Hours
Power source	24VDC
Operation current	350mA
Operating Temp	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Output Terminal	30cm L/W
Measurement (mm)	60(D) x 120.2(L)
Weight (Approx.g)	600

Dimension



Dimension



VL101/VL70W

Long Distance Night View IR/WHITE LED Illuminator



Key Features

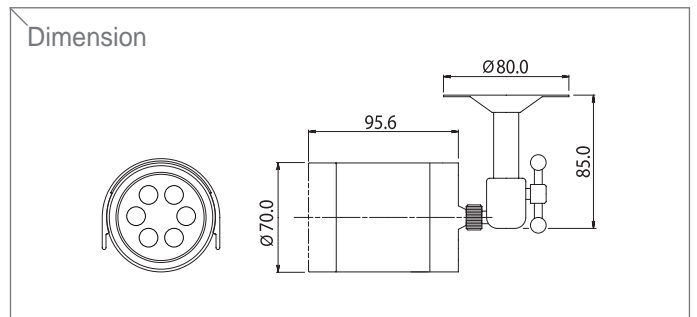
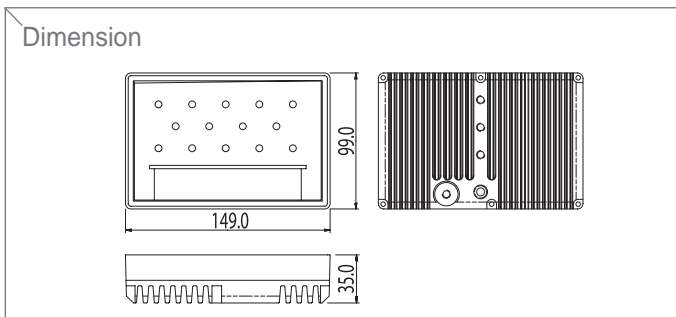
- Long Viewable distance at 0 Lux
- LED Brightness Adjust
- PhotoCell level adjust
- Inbuilt PhotoCell for automatic on/off operation
- IR Distances up to 120M(400ft)
- 30 or 60 degree variations
- Input voltage : 12VDC/24VAC
- Weatherproof (IP67)

MODEL	VL101
IR spectrum	850nm IR LED X 14EA
IR beam distance	100M(60°) / 120M(30°)
Optics	SMT LED's
MTBF	5 year
Consumption	17W max
Power source	12VDC/24VAC
Operation current	700mA
Environmental	IP67
Operation Temp	-40°C ~ 50°C
Humidity	Within 90% RH
Output Terminal	40cm L/W
Measurement(mm)	149(W) x 99(V) x35(L)
Weight(Approx.g)	1,300
IR Option	Invisible IR LED (940nm 30°, 60°)

Key Features

- Long Viewable distance at 0 Lux
- LED Brightness Adjust
- PhotoCell level adjust
- Inbuilt PhotoCell for automatic on/off operation
- Distances up to 50M(165ft)
- 20° / 40° / 60° degree variations
- Input voltage : 12VDC/24VAC
- Weatherproof (IP67)

MODEL	VL70W
IR spectrum	Visible LED X 6EA
IR beam distance	50M(20°)
Optics	SMT LED's
MTBF	2 year
Consumption	6W
Power source	12VDC/24VAC
Operation current	500mA at 12VDC
Environmental	IP67
Operation Temp	-10°C ~ 50°C
Humidity	Within 90% RH
Output Terminal	60cm DC Male
Measurement(mm)	70(D) x 95.6(L)
Weight(Approx.g)	800



Security Innovation

Perfect Day & Night Surveillance

DVR





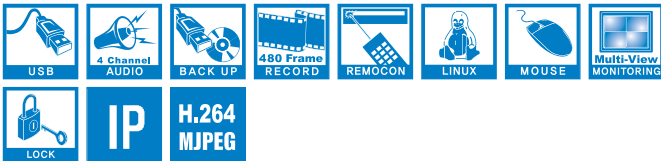
Product Information

Vision Embedded DVR designed in premium hardware platform leads unbeatable performance and stability.

Dual-Stream Support by H.264 & MJPEG generates dual-stream images with adjustable frame and bit rate. With a built-in web server by DDNS, versatile web operations such as live monitoring, play back, system configuration are available over the internet, anytime and anywhere.

CMS(Central Monitoring System) and VMS(Video Management Software) enable user to control devices over network in a unified remote software platform.

User friendly operation is realized by Fully-Colored GUI with ordinary USB mouse operation, Diversified System Control by IR Remote Controller/ Key Buttons on the front panel/ USB mouse, Various Backup Devices and Emergency Backup by USB Memory Stick/ DVD Burner/ USB HDD and Quick and Easy Search Modes through thumb-nail search/ Intelli-search bar.



Embedded DVR

The Recording Systems provide high resolution D1 image and real-time network transmission with dual streaming.

Fully-colored GUI with ordinary USB mouse operation helps user to operate the system by perception.

The GUI is one of the strong features to operate the system by using USB mouse, front key buttons and IR remote controller with ease.

Powerful CMS software is an unbeatable feature and makes 180 channels displayed simultaneously with 5 monitors supported on a single PC workstation.

Unbeatable System Stability

1. Premium Hardware Design

1.5GHZ CPU adopted in VH1648 supports enjoyable full Pentaplex operations.



2. Health Checking for System and HDD Status

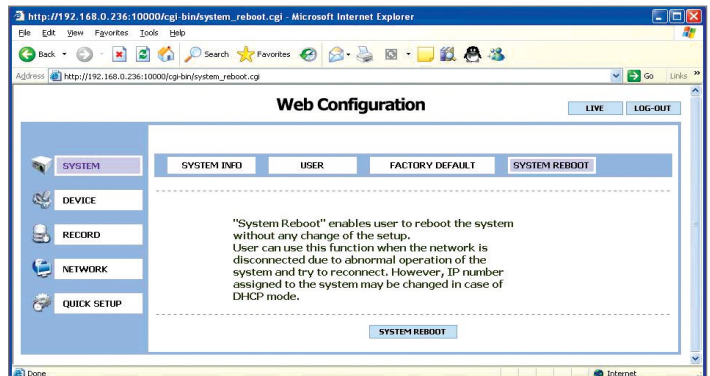
Specially-designed algorithm is constantly checking system and HDD status for optimal operation. If any, the warning message and alarm sound shall be shown on the monitor for users to take instant action to prevent any loss of valuable recorded data.



3. System Watchdog and Reset through IE

System will be auto-rebooted by a watchdog function under abnormal situation.

Besides, users can reboot the system through IE without any change of the setup when network disconnection happens.



Reset through IE

Premium DVR | Hardware

4. Unique File Structure

By adopting its unique file structure, recorded images shall be securely protected and header motion of HDDs be minimized to achieve longer life.

High Image quality

1. High Resolution D1(720 x 480) Recording

Vision DVR supports various recording resolutions up to D1 image and allows user to make monitor and playback DVD like high definition images at real time speed.



2. Independent Record Setting

In order to meet the versatile site requirement, Vision DVR allows user to make multiple recording settings independently by each channel. Recording mode(continuous, sensor & motion detection), frame rate and image quality(highest, high, standard & low) can be set independently for each channel.



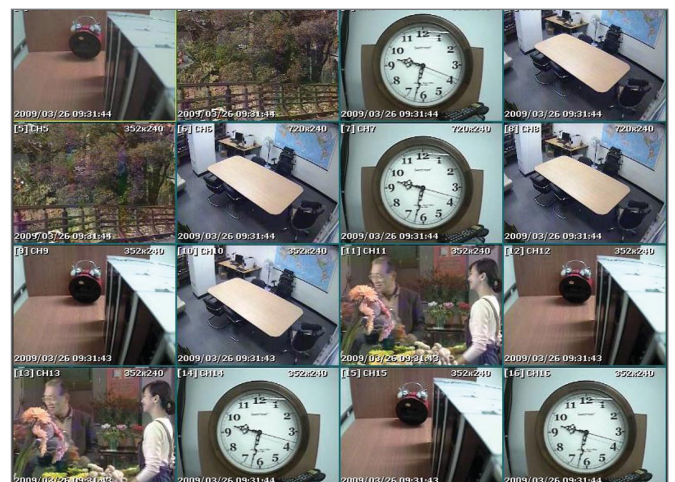
3. Emergency and Intensive Recording

Apart from regular recording, emergency and intensive recording feature provide user to cope with urgent situation by just one button operation.



4. Super VGA(SXGA) Display

VGA Live resolution is easily selectable up to SXGA grade(1280 x 1024), to enjoy crystallized image quality even at mega size PDP or LCD.



Analog Camera

DVR

IP Camera

NVR

Accessories

Real-Time Networking

1. Premium Hardware Design

VISION DVR can transmit distortion-free images under all resolution modes at real-time speed as far as network bandwidth is allowed.

2. Dual-Stream Support

VISION DVR generates dual-stream images with adjustable frame & bit rate - one for image recording and the other for network transmission - for user to effectively manage network traffic.

3. Versatile Web Operation by DDNS

With a built-in web server, Versatile web operations such as live monitoring, playback, system configuration are available over the internet, anytime & anywhere.

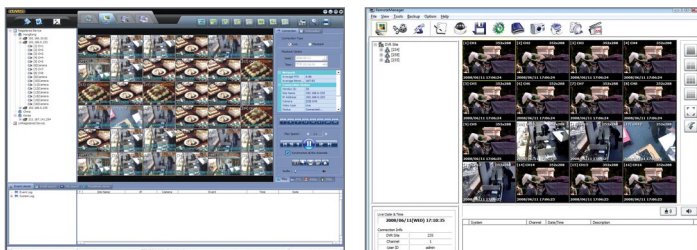
4. Unified Remote Software Platform

All of VISION DVRs feature a unified remote software platform such as CMS(Central Monitoring System) and VMS(Video Management Software) to enable the control of multiple devices over network.



Live Monitoring

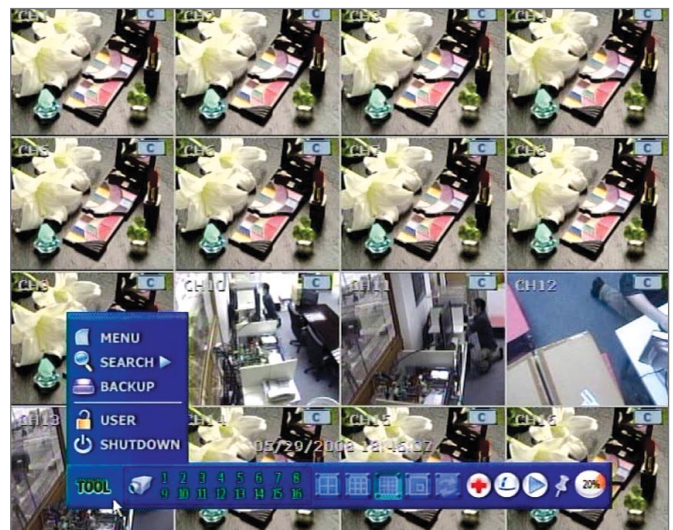
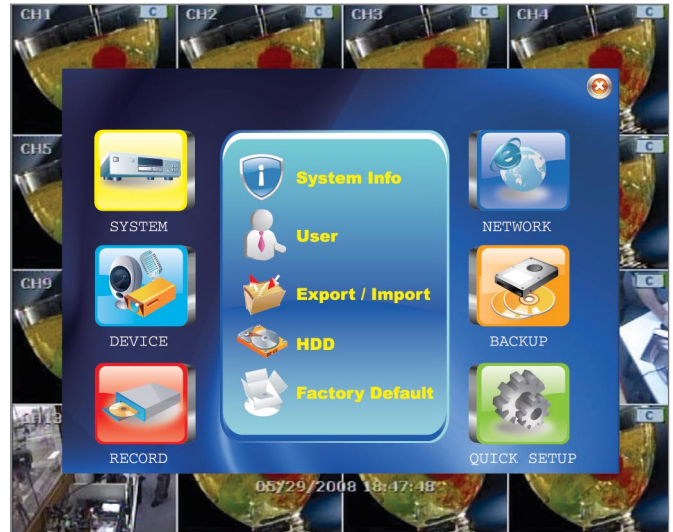
Playback True Color (Day)



User friendly GUI

1. Fully-colored GUI

Fully-colored GUI with ordinary USB mouse operation helps user to operate the system quick & easy.



2. Diversified System Control

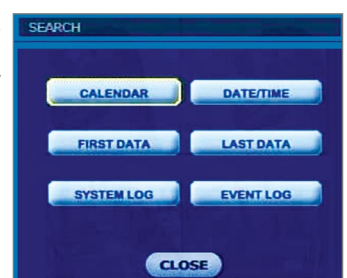
VISION DVR is basically controlled by IR remote controller, key buttons on the front panel and ordinary USB mouse. Additionally, keyboard controller can be used to control PTZ function and multiple DVRs simultaneously.

3. Various Backup Devices and Emergency Backup

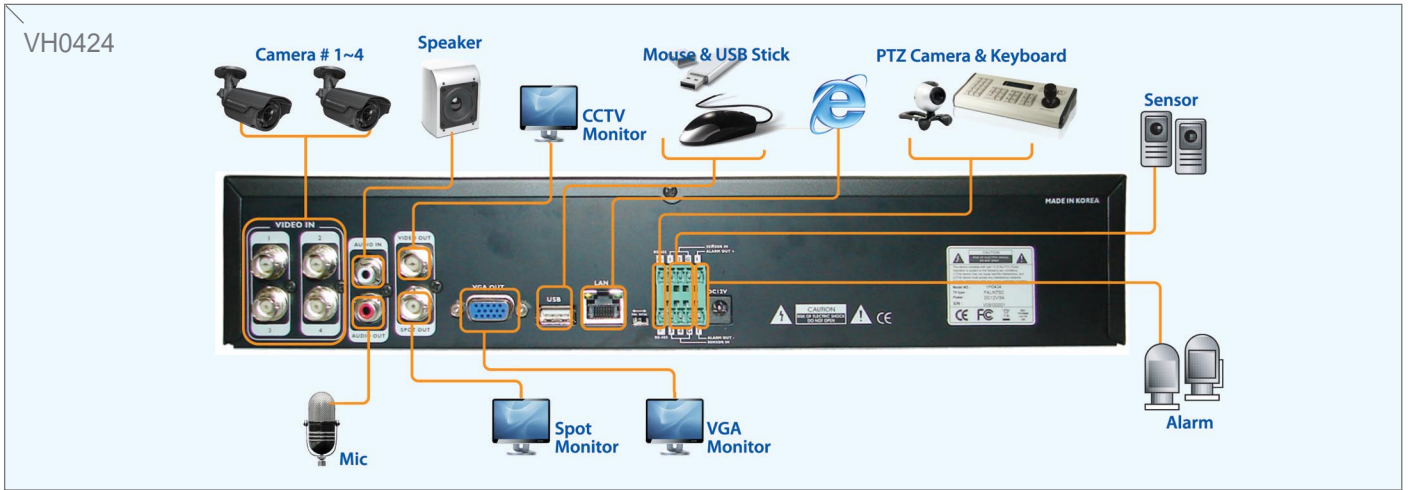
By using USB ports, user can backup the recorded images to memory stick, DVD-Burner and USB HDDs. Moreover, Emergency backup feature provides user to cope with urgent situation by just one button operation.

4. Quick and Easy Search Modes

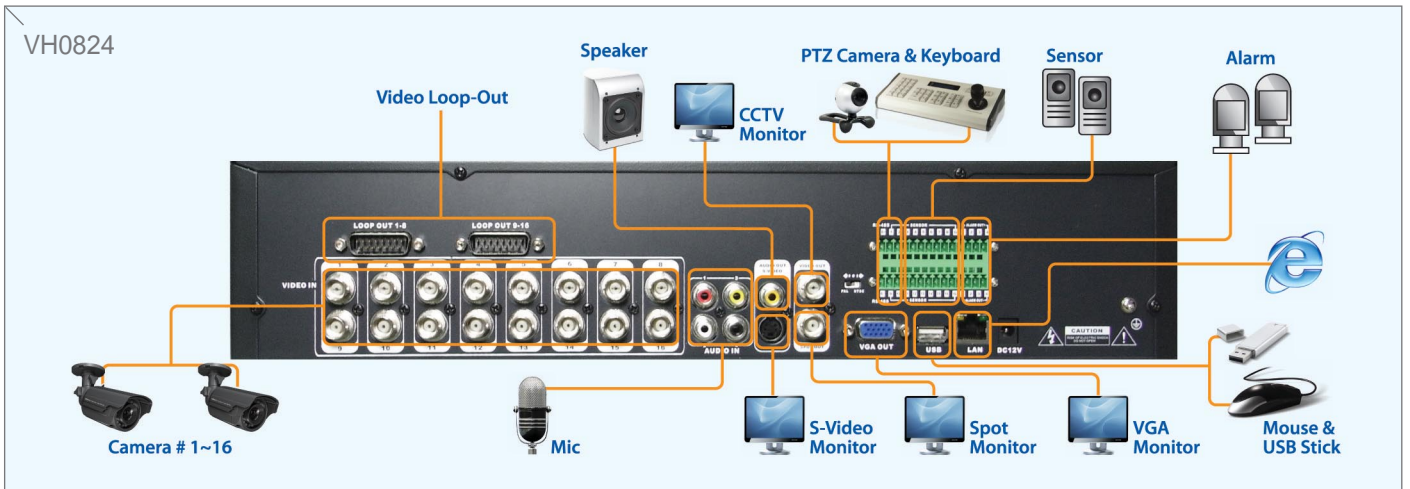
User can search the recorded images quickly and easily depending on the situations, through calendar search, thumbnail search and intelli-search bar.



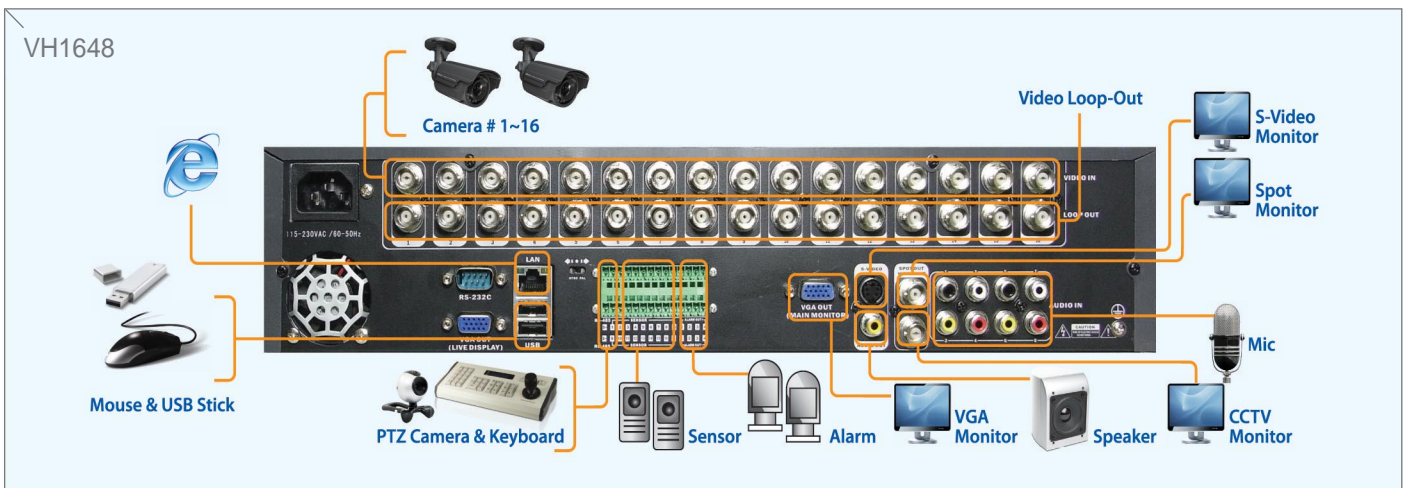
System Configuration



System Configuration



System Configuration



Analog Camera
DVR
IP Camera
NVR
Accessories

Premium DVR Software

CMS(Central Monitoring System)

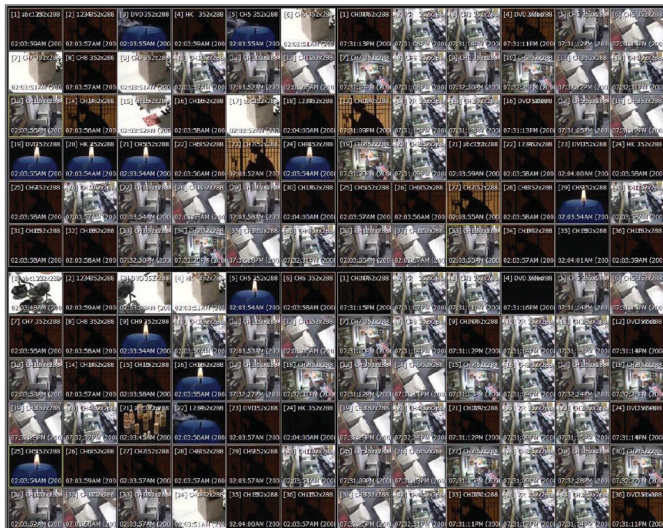
Enterprise-Level Management Software

Max. 180 Channel Real-Time Monitoring with 5 Monitors supported on a Single PC Workstation

VISION CMS is a powerful centralized management solution that offers the full flexibility to control the entire system over the network. User can set automatic backup schedule for effective handling of massive volume of video data, and also get the full monitoring on system status such as system temperature, CPU burden, network bandwidth in usage, etc.

Max. 180CH Real-Time Monitoring

VISION CMS can monitor up to 180 channels from anywhere simultaneously. A maximum 144 channels can be shown on one monitor with a wide range of screen split modes such as 1, 4, 9, 16 and more.



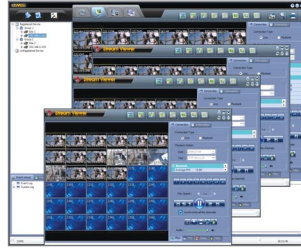
Up to 5 Monitors on a single P/C Workstation

User can connect up to 5 VGA monitors on a single PC workstation under much less CPU burden and thus effectively allocate each monitor for specific purpose.



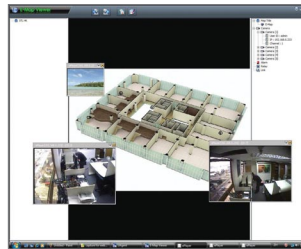
Cloning Features to Create a Separate Window

Cloning window function is one of quite unique tools only for VISION CMS. User can create up to 4 additional windows as far as system hardware is allowed.



Multi-Layer E-Map Editor

E-Map feature is to provide graphic map information to overview entire CCTV layout, ensuring efficient management of the connected devices over network.



Other Features

System Health Check, Multiple FW Upgrade, Various Search & Backup Modes and IP Auto-Detection for whole connected device.

VMS(Video Management Software)

16 Channel Live monitoring, VOD Playback with Intelli-Search Bar
 Max. 180 Channel Real-Time Monitoring with 5 Monitors supported on a Single PC Workstation.
 Live & VOD Backup by AVI Format and Built-in Back up Player.

Specification of CMS & VMS & Web Viewer

Model	CMS (Central Manager)	VMS (Remote Manager)	Web Viewer	
Central Management	Status Information	Video, Audio, Sensor, Relay, Recording Status	No	
	HDD Information	Capacity, Usage (%), Temperature, Format Type	No	
	System Information	CPU Type & Speed, Memory, MAC No	No	
	Version Information	Model Name, S/W & H/W Version	No	
	Network Information	IP Address, Subnet Mask, Gateway & DNS	No	
	Connection Information	Connection Status, Bandwidth, Login User	No	
	IP Auto-Detection	Automatic detection of IP address over network	No	
	Firmware Upgrade	One-click upgrade for multiple registered DVRs	No	
	Schedule Backup	Programmable schedule from multiple DVRs	No	
	System Configuration	Remote configuration through IE	Remote configuration through IE	Remote configuration through IE
	Remote Rebooting	Rebooting of DVRs through IE	Rebooting of DVRs through IE	Rebooting of DVRs through IE
	Log Viewer	Collecting log data from registered DVRs	Event / System log search	No
	Connection Compatibility	Multiple connection to Embedded DVR, Streamer, IP camera	Multiple connection to Embedded DVR, Streamer, IP camera	Single connection to one DVR
	Group Management	Connection by Grouping	No	No
Time Synchronization	Time sync of multiple DVRs	Time sync of multiple DVRs	No	
Multi Monitoring	No of Monitor supported	Up to 5 monitors	Single monitor only	
	Additional Windows	Creating new windows up to 4	No	
	Maximum Channel	180 cameras monitoring	16 cameras monitoring	
	Camera Allocation	Independent allocation of cameras	No	
	Auto Re-Connection	Auto reconnect upon network recovery Auto connect to previous View Layout	Auto reconnect upon network recovery Auto connect to previous View Layout	No
	Alarm Pop-up	Camera pop up upon alarm triggered	Camera pop up upon alarm triggered	No
	Remote Control Panel	Playback, Relay, PTZ, Live image	Playback, Relay, PTZ	PTZ
	Remote Playback	X16 forward / backward play	X32 forward / backward play	No
	Event View	Event & System logs	Event & System logs	No
	Search Mode	Intelli-search, Event search, File search	Intelli-search, Event search	No
	Miscellaneous	Printing, Snap Shot & Live AVI backup, De-interlacing, Digital Zoom, etc	Printing, Snap Shot & Live AVI backup, De-interlacing, etc	De-interlacing
E-Map	E-Map Editor	Easy editor by component drag & drop.	No	
	Device Supported	Camera, Relay, Alarm, Link	No	
	File Format	XML, JPG, BMP	No	
	Layer Supported	Multi-layer of e-map supported	No	
	Alert	Pop-up video windows by alarm trigger	No	

(*) Specification is subject to change without prior notice.

Analog Camera

DVR






IP Camera

NVR

Accessories

H.264 Embedded/PC DVR

DVR Specification

Model Name		VH0424(4CH)	VH0824(8CH)	VH1624(16CH)	VH1648(16CH)	VHP1648
						
Compression Algorithm		Video : H.264 & MJPEG, Audio : G723.1				
HDD		2 x SATA HDD	MAX. 4 x SATA HDD(2x HDD Bracket option)			
Operating System		Embedded Linux				XP Embedded
Video	Input	4 Ch	8 Ch	16 Ch	16 Ch	16 Ch
	Loop-Out	N.A.	8 Ch (Built-in)	D-Sub(option)	16 Ch (Built-in)	16 Ch (Built-in)
Video Mode		NTSC / PAL Selectable				
Display Speed (NTSC/ PAL)		120/100 fps	240/200 fps	480/400 fps	480/400 fps	480/400 fps
Screen Modes for Live Display		1, 4 & PIP	1, 4, 9 & PIP	1, 4, 9, 16 PIP	1, 4, 9, 16 & PIP	1, 4, 9, 16 & PIP
Monitor Output		Main Monitor(Composite & VGA) & Sopt Monitor(Composite)	Main Monitor(Composite, S-VHS & VGA) & Sopt Monitor(Composite)			
		VGA Resolution : 640x480, 800x600, 1024x768 & 1208x1024(Selectable)				
Recording Speed (NTSC/PAL)	352x240/288(CIF)	240/200 fps	240/200 fps	240/200 fps	480/400 fps	480/400 fps
	720x240/288(2CIF)	120/100 fps	120/100 fps	120/100 fps	240/200 fps	240/200 fps
	720x480/576(D1)	60/50 fps	60/50 fps	60/50 fps	120/100 fps	120/100 fps
Recording Resolution		NTSC : 352x240, 720x240, 720x480, PAL : 352x288, 720x288, 720x575				
Recording Modes		Continuous, Scheduled, Sensor-Activated & Motion Detection Recording				
		Pre & Post Alarm Recording, Emergency Recording, Quick Backup				
Playback & Search		1, 4, 9 & 16Ch(Multi-Channel Playback)				
		Intelli-Search by Time Bar, Calendar(Date & Time) and Event / system Search				
Audio Input / Output		4 Ch / 1 Ch			8 Ch / 1 Ch	16 Ch / 1 Ch
Alarm I/O & Camera Connection		M : N Mapping				
Alarm Input / Output		4 Ch / 4 Ch	8 Ch / 4 Ch	16 Ch / 4 Ch	16 Ch / 4 Ch	16 Ch / 8 Ch
PTZ Control and Port		Virtual Joy-Stick Control on screen by mouse				
		Pan / Tilt / Zoom / Focus / Iris, RS-485 Port				
LAN		10/100 Base-Tx Ethernet(RJ-45) - Fixed IP, DHCP & DDNS				
Network		Video Dual-Stream(Local recording & Network Transmission)				
Transmission		Live Monitoring, Remote Playback and File Backup(Triplex-on-Remote)				
		Remote & E-Mail Notification, Remote System Reboot by IE				
Video Management Software		VMS & CMS & IE				
Backup Device	Internal	N. A.	1x DVD Burner(Optional)			
	External	USB Memory Stick & USB HDD(by USB 2.0 Port)				
System Recovery after Power Failure		Auto-Reboot and Journaling File System, Auto-Scan and Date Recovery, Water-Mark				
		Auto Page Sequencing, Even Log Viewer, Access Control by Password				
Advanced Functions		System Upgrade by USB / Network, System & Event Log Export, Configuration Import / Export				
		AVI File Backup, System Temperature Checking and Auto Alarm for Over-Temperature				
System Operation		Front Button, IR Remote Controller, USB Mouse, Keyboard(Optional)				
Power		12VDC/3A	12VDC/5A	12VDC/7A	100-220VAC, 50-60Hz	100-220VAC, 50-60Hz
Storage Temperature and Humidity		-20-60 °C / 20-80%RH				
Operating Temperature and Humidity		5-40 °C / 20-80%RH				
Dimension (WxDxH)		350 x 265 x 64.5 (mm)	420 x 428 x 88 (mm)	420 x 428 x 88 (mm)	420 x 428 x 88 (mm)	438 x 485 x 177 (mm)

Security Innovation

Perfect Day & Night Surveillance

IP CAMERA



IP Video Technology

The IP-based video surveillance product and solution, i.e. IP video is swiftly growing worldwide, enabling users to access advanced convergence connectivity for Retail, Transportation, Education, Industrial, Government, Healthcare, Banking & Finance, Home/Building, Entertainment & Management applications in LAN(Local Area Network) and WAN(Wide Area Network) environment using IP-based security equipment, Laptop, DTV, CE, and mobile devices, etc.

Visionhitech IP video, based on open IP standards, can be connected to any kind of IP network, including the Internet, by various physical lines such as PoE, the existing pair line(included Coaxial line), and power line on site conditions and enables remote viewing and recording from anywhere in the world.

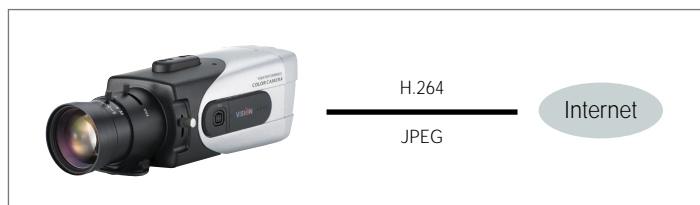
The benefit of Visionhitech IP video is to secure Remote accessibility, High image quality, Event management, Scalability & flexibility, and Cost-effectiveness.

The state-of-the-art technology for IP video such as multi streaming with H.264/M-JPEG, mega pixel imaging, HD resolution, etc. is already furnished in Visionhitech IP video.

In short, Visionhitech provides wide portfolio of products and solution for professional IP video surveillance

A. High Resolution H.264/M-JPEG compression and real-time Multi-streaming

With the selective application of H.264 and M- JPEG compression formats, the best image quality can be provided flexibly, depending on the user' s available network environment and needs. Besides, the optimal video transmission is available with multi-streaming of H.264 and M-JPEG.



B. High quality picture and 1.3 mega pixel video

Visionhitech has so far kept strong edge on image signal processing and provided best quality CCD cameras with sWDR, 3D noise reduction and intelligent IR technology. By integrating those CCD camera technologies into IP video, the Company now provides competitive and cost-efficient IP cameras that meet diverse needs from the market.

On the other hand, new 1.3 mega pixel IP camera series of the Company realizes crystal-clear superior image quality with higher resolution up to SXGA(1280 X 1024).



Conventional cameras



Mega-pixel cameras

C. Full duplex 2-way audio

Attaching a microphone and loudspeakers to Visionhitech IP camera will allow users to listen and talk using the two-way audio support. This is ideal for most security and surveillance applications.

D. Integrated SD Card Slot for Local File Storage

Visionhitech IP camera can store up to 8 GB of images and video on standard SD cards. The camera can save JPEG images or video clips on the internal storage, providing a most important backup solution in case the network is down, and, should the SD card get filled up, the camera even notifies you via e-mail about the impending low storage space situation. Access to the recorded data does not require any special software: simply browse through the recordings with your Web browser and view them with your favorite media player. And if you'd rather take the SD card out of the camera and read it with your SD card reader-equipped laptop or desktop PC to store the recordings permanently, you can do that, too!

E. Auto-Setup

No need to worry about complex network setup procedures. The installation wizard provides an easy setup that allows a non-technical person to begin using the camera right away.

E. Power over Ethernet

Visionhitech IP camera supports the 802.3af standard PoE(Power-over-Ethernet), allowing it to be installed in locations where an AC power source is not readily available. Simply plug the camera into a PoE-compliant switch and begin transmitting power as well as data over the Cat 5e or Cat 6 network cabling.

KEY FEATURES (H.264 Mega Pixel IP Camera Series)

- H.264/M-JPEG compression Algorithm
- 1/3" 1.3M CMOS Image Sensor
- Video bitrate : 32kbps ~ 8Mbps
- Serial data bandwidth : 2,400bps ~ 115,200bps
- Protocols : TCP/IP, Multicast, HTTP, SMTP, FTP, DHCP, DNS, Dynamic DNS , RTP, RTSP
- Web-based viewer (Internet Explorer)
- Composite Video Output
- CMS software supported (Up to 36 channels live monitoring, recording, search & playback)
- Motion Detection
- Sensor input & Alarm output terminals
- 1 channel audio in/out (mono, line in/out)
- Serial data bandwidth : 2,400bps ~ 115,200bps
- Intelligent bitrate control
- RS-485 terminals

IP Video Technology

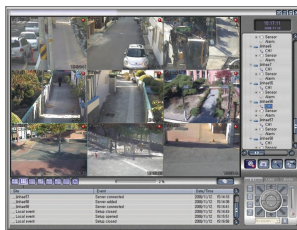
IP Video Solutions

Integrated Software CMS

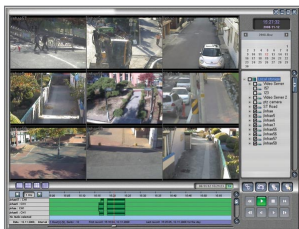
CMS is a program that offers real time AV monitoring with multiple connections to video servers and IP cameras. True CMS provides not only Audio/Video monitoring but also recording, playback, event monitoring, alarm & PTZ control, and a remote set-up function.

Key Features of CMS

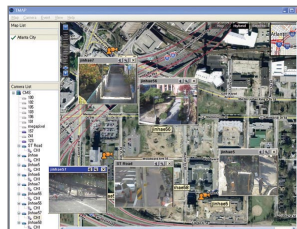
- Up to 36 Channels display & Recording simultaneously
- Up to 16 Channel Playback simultaneously
- Event monitoring and Alarm notification
- Support eMap Application
- Remote Search
- Multi-monitor support (Max. 4 Monitor)
- On screen PTZ control
- Two way audio communication
- Easy Installation
- Connection to Streaming Server (Relay)
- Digital zoom support
- Automatic login after abnormal termination
- New server / camera model and JPEG stream support
- Control of external matrix switch
- Support of Multi languages
- Export AVI backup
- Digital watermark on captured JPEG image
- E-mail and FTP transfer of snapshot snapshot image
- Dual Streaming support
- Megapixel camera support
- Display image maps with camera icons on it
- Display pop-up video manually or by events
- Event handling : various actions on events including pop-up video display, high-lighting the camera icon, and sound effect



Live View



Search View



Emap





HD IP CAMERA SERIES

H.264 MEGA PIXEL IP Camera

SPECIFICATION(MEGA PIXEL)

Product Description		Mega Pixel Box Typed IP Camera	Mega Pixel Box Typed IP Camera	Mega Pixel Armor Dome IP Camera	Mega Pixel Night Vision IP Camera
Model name		VC56M-IP	VC58M-IP	VDA110M-IP	VN70 II M-IP
Product Image					
Image sensor		1/3" Sony 1.3M CMOS	1/3" Sony 1.3M CMOS	1/3" Sony 1.3M CMOS	1/3" Sony 1.3M CMOS
Day & Night		Auto/Color/BW	Auto/Color/BW	Auto/Color/BW	Auto/Color/BW
Environment		INDOOR	INDOOR	OUTDOOR(IP66)	OUTDOOR(IP67)
Lens		Megapixel CS Mount	Megapixel CS Mount	3-8mm Megapixel CS Mount	3-8mm Megapixel CS Mount
Min. illumination & IR Beam Distance		Color:1 Lux at F1.2 BW:0.3 Lux at F1.2	Color:0.2Lux at F1.2 BW:0.0001 Lux at F1.2	Color:0.2Lux at F1.2 BW:0.0001 Lux at F1.2	0Lux (IR LED On) 50M view
Noise Reduction		2DNR	2DNR	2DNR	2DNR
Extended Memory		SD CARD (Option)	SD CARD (Option)	-	-
Video	Compression	H.264 & M-JPEG	H.264 & M-JPEG	H.264 & M-JPEG	H.264 & M-JPEG
	Resolution (Max.)	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024
	Frame Rate(Max.)	25fps	25fps	25fps	25fps
Audio	Direction	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)
	Codec	G.711	G.711	G.711	G.711
Network	Physical Layer	10/100 base-TX Ethernet	10/100 base-TX Ethernet	10/100 base-TX Ethernet	10/100 base-TX Ethernet
	Protocal	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL
	IP Support	Dynamic IP, Static IP	Dynamic IP, Static IP	Dynamic IP, Static IP	Dynamic IP, Static IP
Power source		PoE(IEEE802.3af).12VDC	PoE(IEEE802.3af).12VDC	PoE(IEEE802.3af).12VDC	12VDC
Event & Alarm	Motion Detection	Motion Vector Based	Motion Vector Based	Motion Vector Based	Motion Vector Based
	Alarm Notification	Sensor, Motion Video loss	Sensor, Motion Video loss	Sensor, Motion Video loss	Sensor, Motion Video loss
Configuration and managment		Web-based configuration.Firmware upgrades over HTTP	Web-based configuration.Firmware upgrades over HTTP	Web-based configuration.Firmware upgrades over HTTP	Web-based configuration.Firmware upgrades over HTTP
SYSTEM requirements		Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser
Dimension(mm)		62(W) x 56(V) x 127(L)	66(W) x 57(V) x 126.5 (L)	164(ø) x 121.5(H)	97(W) x 90.5(V) x 256.8(L)
Weight(Approx.g)		550	580	1,900	2,200

SPECIFICATION

Product Description		H.264 Box Typed IP Camera	Auto Tracking PIR IP Camera	H.264 Armour Dome IP Camera	H.264 Indoor Dome IP Camera
Model name		VC58S-IP	VPD180S-IP	VDA110S-IP	VD101S-IP
Product Image					
Image sensor		1/3" Sony Super HAD CCD II	1/3" Sony Super HAD CCD II	1/3" Sony Super HAD CCD II	1/3" Sony Super HAD CCD II
Day & Night		Auto/Color/BW	Auto/Color/BW	Auto/Color/BW	Auto/Color/BW
Environment		INDOOR	INDOOR	Outdoor(IP66)	INDOOR
Lens		C/CS-Mount	3 ~ 8mm Varifocal DC iris	3.3-12mm Varifocal DC Iris Lens / F1.3	2.5 / 2.9 / 3.6 / 4.3 / 6 / 8 / 12 / 16mm
Min. illumination/ light sensitivity (Lux)		0.0001Lux/F1.2(Sens-up), 0.1 LUX/F1.2	0.0001 Lux at F1.2 0.1 Lux at F1.2	0.0001Lux/F1.2(Sens-up), 0.1 LUX/F1.2	0.0001Lux/F1.2(Sens-up), 0.1 LUX/F1.2
WDR		On/Off (User selectable on OSD)	On/Off (User selectable on OSD)	On/Off (User selectable on OSD)	On/Off (User selectable on OSD)
Noise Reduction		2D+3DNR	2D+3DNR	2D+3DNR	2D+3DNR
Digital Zoom		1~6X	1~6X	1~6X	1~6X
Extended Memory		SD CARD (Option)	SD CARD (Option)	-	-
Video	Compression	H.264 & M-JPEG	H.264 & M-JPEG	H.264 & M-JPEG	H.264 & M-JPEG
	Resolution (Max.)	NTSC:720x480, PAL:720x586	NTSC:720x480, PAL:720x586	NTSC:720x480, PAL:720x586	NTSC:720x480, PAL:720x586
	Frame Rate(Max.)	30fps	30fps	30fps	30fps
Audio	Direction	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)
	Codec	G.711	G.711	G.711	G.711
Network	Physical Layer	10/100 base-TX Ethernet	10/100 base-TX Ethernet	10/100 base-TX Ethernet	10/100 base-TX Ethernet
	Protocol	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL
	IP Support	Dynamic IP, Static IP	Dynamic IP, Static IP	Dynamic IP, Static IP	Dynamic IP, Static IP
Power source		PoE(IEEE802.3af).12VDC	PoE(IEEE802.3af).12VDC	PoE(IEEE802.3af).12VDC	12VDC
Event & Alarm	Motion Detection	Motion Vector Based	Motion Vector Based	Motion Vector Based	Motion Vector Based
	Alarm Notification	Sensor, Motion Video loss	Sensor, Motion Video loss	Sensor, Motion Video loss	Sensor, Motion Video loss
Configuration and management		Web-based configuration. Firmware upgrades over HTTP	Web-based configuration. Firmware upgrades over HTTP	Web-based configuration. Firmware upgrades over HTTP	Web-based configuration. Firmware upgrades over HTTP
SYSTEM requirements		Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser
Dimension(mm)		62(W) x 56(V) x 127(L)	182(ø) x 142.7(H)	164(ø) x 121.5(H)	134(ø) x 91.7(H)
Weight(Approx.g)		580	650	1,900	550

Analog Camera

DVR

IP Camera

NVR

Accessories

SUPER NIGHT VISION OUTDOOR IP CAMERA

H.264 HIGH RESOLUTION IP Camera





SPECIFICATION

Product Description		High Quality Night Vision IP Camera	Super Night Vision IP Camera	Super Night Vision Zoom IP Camera	Super Night Vision Zoom IP Camera
Model name		VN70 II S-IP	VA102E-VL60-IP	VA335WD-VL60-IP	VA375WD-VL60-IP
Product Image					
Image sensor		1/3" Sony Super HAD CCD II	1/3" Sony 960 H Double scan CCD	1/4" Color vertical Double Density CCD	1/4" Color vertical Double Density CCD
Day & Night		Auto/Color/BW	Auto/Color/BW	Auto/Color/BW	Auto/Color/BW
Environment		OUTDOOR(IP67)	OUTDOOR(IP66)	OUTDOOR(IP66)	OUTDOOR(IP66)
Lens		2.8-12mm/5 - 50mm Varifocal DC iris	7.5 ~ 50mm Varifocal DC iris	33x Auto focus zoom(f3.5-115.5mm/F1.6)	37x Auto focus zoom(f3.5-129.5mm/F1.6)
Min. illumination & IR Beam Distance		0Lux 50M view	0Lux 120M view	0Lux 120M view	0Lux 120M view
WDR		On/Off (User selectable on OSD)	On/Off (User selectable on OSD)	On/Off (User selectable on OSD)	On/Off (User selectable on OSD)
Noise Reduction		2D+3DNR	2D+3DNR	2D+3DNR	2D+3DNR
Optical Zoom				33X	37X
Digital Zoom		1-6X	1-6X	12X	12X
Video	Compression	H.264 & M-JPEG	H.264 & M-JPEG	H.264 & M-JPEG	H.264 & M-JPEG
	Resolution (Max.)	NTSC:720x480, PAL:720x586	NTSC:720x480, PAL:720x586	NTSC:720x480, PAL:720x586	NTSC:720x480, PAL:720x586
	Frame Rate(Max.)	30fps	30fps	30fps	30fps
Audio	Direction	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)
	Codec	G.711	G.711	G.711	G.711
Network	Physical Layer	10/100 base-TX Ethernet	10/100 base-TX Ethernet	10/100 base-TX Ethernet	10/100 base-TX Ethernet
	Protocol	TCP/IP,DHCP,HTTP,UDP,FTP,SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP,SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP,SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP,SMTP,RTP,RTSP,QoS,SSL
	IP Support	Dynamic IP, Static IP	Dynamic IP, Static IP	Dynamic IP, Static IP	Dynamic IP, Static IP
Power source		12VDC	24VDC	24VDC	24VDC
Event & Alarm	Motion Detection	Motion Vector Based	Motion Vector Based	Motion Vector Based	Motion Vector Based
	Alarm Notification	Sensor, Motion	Sensor, Motion	Sensor, Motion	Sensor, Motion
		Video loss	Video loss	Video loss	Video loss
Configuration and management		Web-based configuration. Firmware upgrades over HTTP	Web-based configuration. Firmware upgrades over HTTP	Web-based configuration. Firmware upgrades over HTTP	Web-based configuration. Firmware upgrades over HTTP
SYSTEM requirements		Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX9.0 or later Windows Based web browser
Dimension(mm)		97(W) x 90.5(V) x 256.8(L)	220(W) x 261.7(V) x 412.7(L)	220(W) x 261.7(V) x 412.7(L)	220(W) x 261.7(V) x 412.7(L)
Weight(Approx.g)		2,200	5,500	5,500	5,500

PTZ IP CAMERA SERIES

H.264 HIGH RESOLUTION IP Camera

SPECIFICATION

Product Description		High Speed Dome IP Camera	High Speed Dome IP Camera	High Speed Dome IP Camera	High Speed Dome IP Camera
Model name		Indoor : VPD370WD-I-IP Outdoor : VPD370WD-O-IP	Indoor : VPD330WD-I-IP Outdoor : VPD330WD-O-IP	Indoor : VPD220-I-IP Outdoor : VPD220-O-IP	VPD100-IP
Product Image					
Image sensor		1/4" Color vertical Double Density CCD	1/4" Color vertical Double Density CCD	1/4" Sony Super HAD CCD	1/4" Color Super HAD CCD
Day & Night		Auto/Color/BW	Auto/Color/BW	Auto/Color/BW	Auto/Color/BW
Environment		INDOOR/OUTDOOR(IP66)	INDOOR/OUTDOOR(IP66)	INDOOR/OUTDOOR(IP66)	INDOOR/OUTDOOR(IP66)
Optical Zoom		37X	33X	22X	10X
Digital Zoom		12X	12X	-	10X
Lens		37x AF zoom(f3.5-129.5mm/F1.6)	33x AF zoom(f3.5-115.5mm/F1.6)	22x Auto focus zoom	10x AF zoom(f3.8-38mm/F1.6)
Min. illumination/ light sensitivity (Lux)		0.7Lux at F1.6 (Color), 0.002Lux (Sens-up, 256x) 0.06Lux at F1.6 (BW)	0.7Lux at F1.6 (Color), 0.002Lux (Sens-up, 256x) 0.06Lux at F1.6 (BW)	1.0Lux at F1.6 (Color)	0.0007Lux / F1.8 (Sens-up)
Pan Tilt Operation	Pan	360 Endless (500 deg/sec)	360 Endless (500 deg/sec)	360 Endless (500 deg/sec)	360 Endless (240 deg/sec)
	Tilt	-4~184 deg (500 deg/sec)	-4~184 deg (500 deg/sec)	-4~184 deg (500 deg/sec)	0~90 deg (240 deg/sec)
WDR/BLC		On/Off (User selectable on OSD)	On/Off (User selectable on OSD)	On/Off (User selectable on OSD)	On/Off (User selectable OSD)
Noise Reduction		2D+3DNR	2D+3DNR		
Video	Compression	H.264 & M-JPEG	H.264 & M-JPEG	H.264 & M-JPEG	H.264 & M-JPEG
	Resolution (Max.)	NTSC:720x480, PAL:720x586	NTSC:720x480, PAL:720x586	NTSC:720x480, PAL:720x586	NTSC:720x480, PAL:720x586
	Frame Rate(Max.)	30fps	30fps	30fps	30fps
Audio	Direction	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)	Full Duplex (MIC/Speaker Port support)
	Codec	G.711	G.711	G.711	G.711
Network	Physical Layer	10/100 base-TX Ethernet	10/100 base-TX Ethernet	10/100 base-TX Ethernet	10/100 base-TX Ethernet
	Protocal	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL	TCP/IP,DHCP,HTTP,UDP,FTP, SMTP,RTP,RTSP,QoS,SSL
	IP Support	Dynamic IP, Static IP	Dynamic IP, Static IP	Dynamic IP, Static IP	Dynamic IP, Static IP
Power source		POE(IEEE802.3at standard).12VDC	POE(IEEE802.3at standard).12VDC	POE(IEEE802.3at standard).12VDC	POE(IEEE802.3at standard).12VDC
Event & Alarm	Motion Detection	Motion Vector Based	Motion Vector Based	Motion Vector Based	Motion Vector Based
	Alarm Notification	Sensor, Motion	Sensor, Motion	Sensor, Motion	Sensor, Motion
		Video loss	Video loss	Video loss	Video loss
Configuration and management		Web-based configuration. Firmware upgrades over HTTP	Web-based configuration. Firmware upgrades over HTTP	Web-based configuration. Firmware upgrades over HTTP	Web-based configuration. Firmware upgrades over HTTP
SYSTEM requirements		Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser	Pentium CPU1.2GHz or higher, or equivalent AMD,128MB RAM, AGP graphic card 32 MB RAM, Direct DrawWindows XP, 2000, DirectX 9.0 or later Windows Based web browser
Dimension(mm)		156(ø) x 236.6(H)	156(ø) x 236.6(H)	156(ø) x 236.6(H)	179(ø) x 150(H)
Weight(Approx.g)		3,500(Indoor) / 5,500(Outdoor)	3,500(Indoor) / 5,500(Outdoor)	3,500(Indoor) / 5,500(Outdoor)	2,000

Analog Camera

DVR

IP Camera

NVR

Accessories

Security Innovation

Perfect Day & Night Surveillance

NVR



Network Video Recorder Technology

A. Introduction of Visionhitech NVR

Vision Network Video Recorder, as a HD Network Video Surveillance System with a powerful network function, supports 4CH/16CH/25CH/36CH Network Video, Audio Recording Server and MJPEG/MPEG 4/H.264 Codec. Especially, this system saves the resolution of 1080i/H.264 with 30fps per channel and supports diverse storage devices such as DAS, NAS, SAN etc.

B. Key Features

- 4/16/25/36 Channel Network Video & Audio Recording Server
- Various Codec Support: M-Jpeg, Mpeg 4, H.264
- MegaPixel & HDTV(720P/1080i) Resolution Support
- Record H.264 Image of 1080i at 30fps per Channel
- Recording Devices: DAS, NAS, SAN etc
- Live monitoring/Playback/Control via Console Monitor
- Data Streaming Server Support
- Automatic Sensing and Registration of Cameras through UPNP
- 2 Way Audio
- PTZ Control, Preset Setting & Control

C. Device Search & Connect

- Automatic Search & Easy Registration via UPNP

D. Powerful Recording

- CIF, 4CIF, D1, MegaPixel, & HDTV Resolution Support
- Record H.264 Images of 1080i at 30 fps per Channel

E. Powerful Recording

- CIF, 4CIF, D1, MegaPixel, & HDTV Resolution Support
- Record H.264 Images of 1080i at 30 fps per Channel

MODEL	Maximum Recording Speed (H.264)			
	CIF	VGA/D1	720P	1080i
VNR0412	120fps	120fps	120fps	120fps
VNR1648	480fps	480fps	480fps	480fps
VNR2575	750fps	750fps	750fps	750fps
VNR3618	1080fps	1080fps	1080fps	1080fps

F. VMS(Viedo Management System)

- Remote Control Program Providing limitless Channels
- VMS is Provided Free of Charge Along with VNR Series
- Motion Detection Pop-up and Alarm
- Remote Data Backup & File Conversion / Interactive E-Map
- Max. 128 Ch. Real-Time Monitoring & 16 Ch. Playback
- Max. 16 Real-Time Monitoring Pop-up
- 1 Ch Pop-up for Fast Playback
- Diverse Monitor Configuration to Customer's Taste



G. Live View

- Create custom Salvos from any combinations of IP cameras and DVRS
- Drag and Drop setup is simple!
- View Up to 128 Cameras Live per Console monitor
 - Organize by site, Groups of Sites, or Custom Salvos

H. Event Driven Monitoring

- Simply double click any Alarm Event, and the alarm handler screen pops up

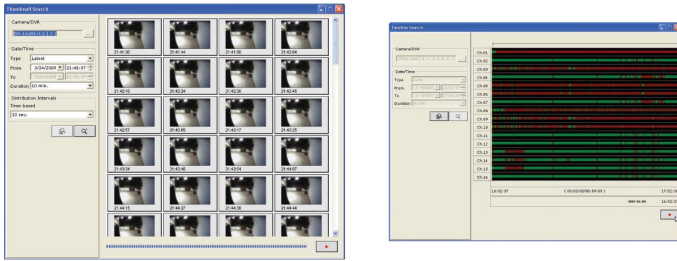
I. Instant Playback & Instant Live Pop-up Window

- Extremely Useful for Callout Applications
- Click on Instant Live, or Instant Playback and your video pops up in a separate window
- Pre-alarm is automatically configured and adjustable by camera/device
- View Multiple Recordings from Different Cameras all occurring at the same time
- View side by side, or arrange in any order that fits your needs
- For call out applications, simply drag the window to any monitor
- Pre-alarm is automatically configured and adjustable by camera/device
- Instant playback remembers its call out location for each instance



Network Video Recorder Technology

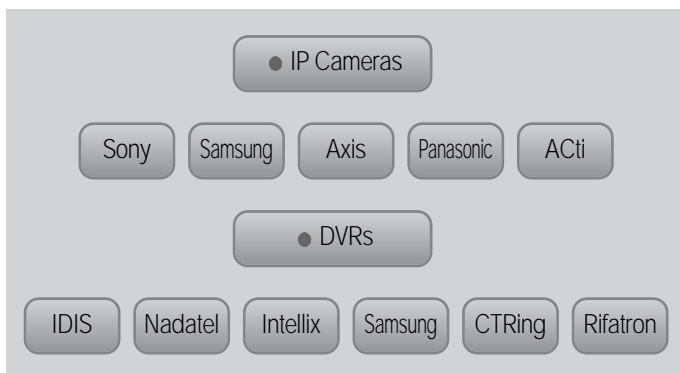
J. Easy Search(Time-bar & Thumbnail Image)



K. Powerful Map Integration

- Monitor large geographic areas with high level maps
- Display Alarm Instances as flashing objects
- Up to 64 maps with 16 layers per map
- Organize by site, Groups of Sites, or Custom Salvos
- Instant Live & Instant Playback on the Map
- Your video pops up in the respective player

L. Supports Multiple Brands of IP Cameras



Analog Camera





DVR

IP Caamera

NVR

Accessories

Network Video Recorder

SPECIFICATION(NVR)			4CH NVR	16CH NVR	25CH NVR	36CH NVR
Product Description			4CH NVR	16CH NVR	25CH NVR	36CH NVR
Model name			VNR0412	VNR1648	VNR2575	VNR3618
Product Image						
Video	INPUT		4 IP Video Channel	16 IP Video Channel	25 IP Video Channel	36 IP Video Channel
	Output		VGA			
Audio	INPUT		4 IP Audio Channel	16 IP Audio Channel	25 IP Audio Channel	36 IP Audio Channel
	Remark		Supports corresponding audio channel to each video channel			
Compression	Video/Audio		MJPEG, MPEG-4 & H.264/G.711,G.723,G.726			
	Remark		Depends on IP source from IP camera/Video server/DVR			
Alarm I/O	Input/Output		4/4	16/16	25/25	36/36
	Alarm I/O Assignment		Assign a sensor input and an alarm output from an IP camera, Video server, or DVR to a video channel			
Live Display (Console & Client)	speed	Console	I-Frame only			
		Client PC	Max. 30fps per channel (Depends on network Bandwidth)			
	Resolution		1028 x 1024 (Console) / 1284 x 1024 and above is recommended (Client SW)			
Screen Mode	Console		1/4	1/16	1/25	1/36
	Client PC		1/4/6/8/9/16/25/36/49/64			
Recording	Performance	CIF	120 ips	480 ips	750 ips	1080 ips
		2 CIF	120 ips	480 ips	750 ips	1080 ips
		4 CIF/D1	120 ips	480 ips	750 ips	1080 ips
		Megapixel	60 ips	120 ips	180 ips	360 ips
	Storage	Internal	Max. 4 SATA HDD			
		External	DAS, NAS, SAN (Option)			
	Video	I-Frame only	Records Intra-frame images only			
	Recording Mode	Auto	Records video as received from IP camera or video server			
		Advanced	Manually configure camera transmission speed, video resolution, and image quality for IP Cameras or video servers from one common user interface (supports multi-profile Streaming/Multi-stream cameras)			
		Scheduled	Weekly (Sunday to Saturday / 24 hours / Selectable by 30 minutes intervals)			
Parameter	Frame rate	1~30 ips				
	Resolution	CIF / 2CIF / 4CIF / D1 / Megapixel				
	Quality	Dependent on Video Quality from Source Device				
Alarm Source		Motion Detection, Sensor Input				
Pre & Post Alarm		10 Sec. / 60 Sec. Per channel				
Search (Console&Client)	Mode	Console	File List			
	Client(PC)		Goto / Timeline / Thumbnail / Log (MD, Sensor)			
Playback (Console&Client)	Screen Mode	Console	1			
		Client(PC)	1.4			
Backup	Media	Client PC				
Client Only	Original Data	Format : Proprietary, Player SW : Client program (Maximum VMS)				
	Conversion Data	Format : AVI (Standard MPEG 4), Conversion through clientr program / Player SW : Window Media Player				
Control	Console/Client (PC)	USB Mouse / USB Mouse, PC Keyboard				
Ethernet	RJ 45 (Gigabit)	Data (Video & Audio) input from a source device / Remote User Access				
Client SW (Maximum VMS)	Function / Security	Live monitoring, Playback, Configuration, Backup, Export / Login Packet Encryption				
	Required PC Spec	CPU: Intel Core 2 duo E5200 or higher/Main memory: 2 GB or higher/ Video memory : 512MB or higher Display Resolution: 1024 x768 or higher/ OS : Windos XP SP2 / Others : Directx 9.0				
Environmental	Temperature / Relative Humidity	41~104 degrees F. (5~40 degrees C.) / 20~70%				
Mechanical	Dimension(WXHXD)/Weight	15.3 x 3.55 (2U)X9.1 Inch / 10lbs without HDD				
Power	Supply / Consumption	110~230 V AC / 60W				
Safety		FCC / CE / C-Tick / UL / RoHS				

Security Innovation

Perfect Day & Night Surveillance

Accessories



Power Overlay Device

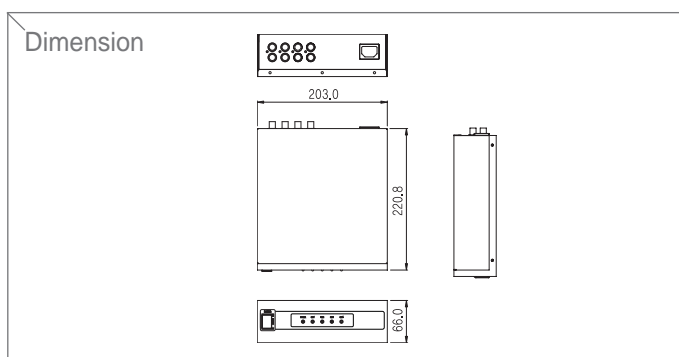
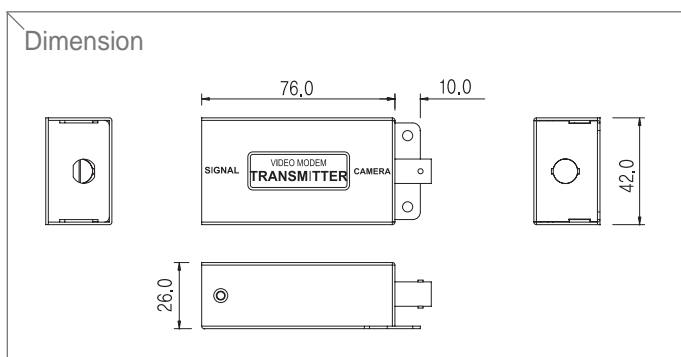


Key Features

- Power plus Video Transmission over 1 coaxial cable
- Support high voltage camera transmission to Max. 20W
- Long Distance Transmission up to 300m with 5C-HFBT
- Maintain high quality video & excellent interference immunity by FM(Frequency Modulation)
- Automatic distance level control for video signal
- No need power wiring and save infrastructure cost
- Cost effective installation(Cost saving up to 30%)
- Diagnosis for cable status by LED On/Off
- Diagnosis for power status by LED On/Off
- Surge Protection built-in
- Protect decreasing the efficiency of LED cameras in a long distance installation

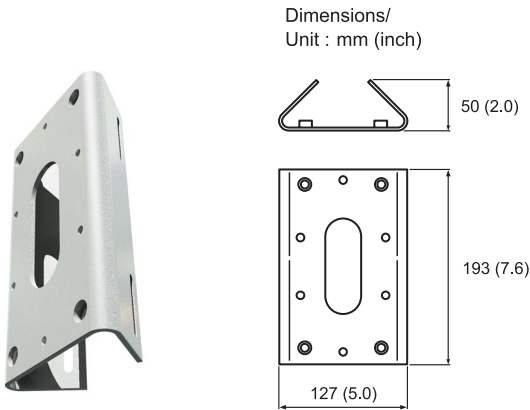
MODEL	POD-Tx(1CH) / Transmitter
Video In	CVBS 1.0Vp-p, 75Ohms Termination
Power Out	DC12V/1.5A
Max. Distance/5C-HFBT	300m
Status LED	1 Color(Green: Normal, No LED: Link Error)
Connect Port	Video In : BNC-M DC12V OUT : DC-F RF Out : BNC-F
Operating Temperature	-10°C ~ +50°C
Humidity	0 ~ 80%
Weight(Approx.g)	300
Measurement(mm)	42(W) x 26(V) x 75(L)

MODEL	POD-Rx(4CH) / Receiver
Video In	CVBS 1.0Vp-p, 75Ohms Termination
Power In	AC 85 ~ 132V/AC176 ~ 264V selected by switch(47~63Hz)
Bandwidth	11.5Mhz
Max. Distance	Auto
Status LED	1 Color(Green: Normal, No LED : Link Error)
Connect Port	RF In : BNC-F Video Out : BNC-M Harness(60cm)
Operating Temperature	-10°C ~ +50°C
Humidity	0 ~ 80%
Weight(Approx.g)	1,500
Measurement(mm)	203(W) x 66(V) x 220.8(L)

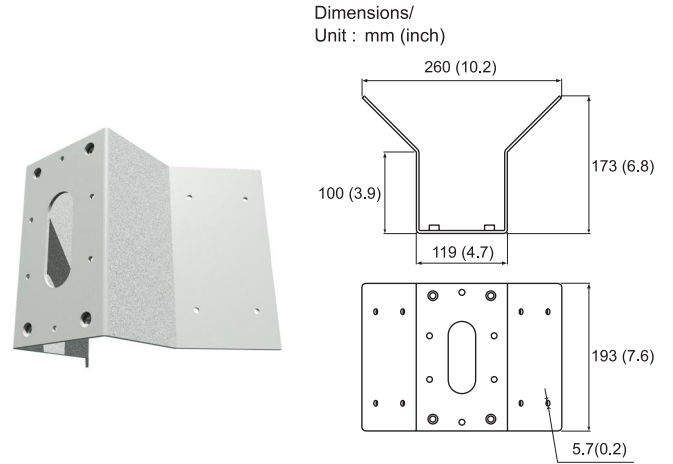


Vandal Dome Accessories

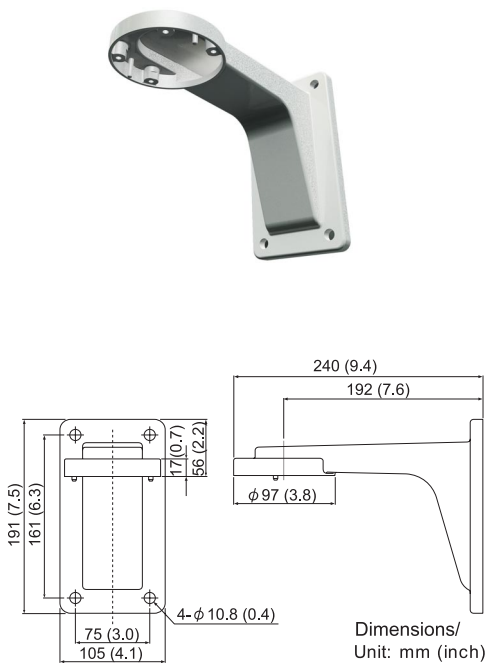
◆ Pole Mount



◆ Corner Mount



◆ Wall Mount



For VDA90-S



For VDA90-R



For VDA110

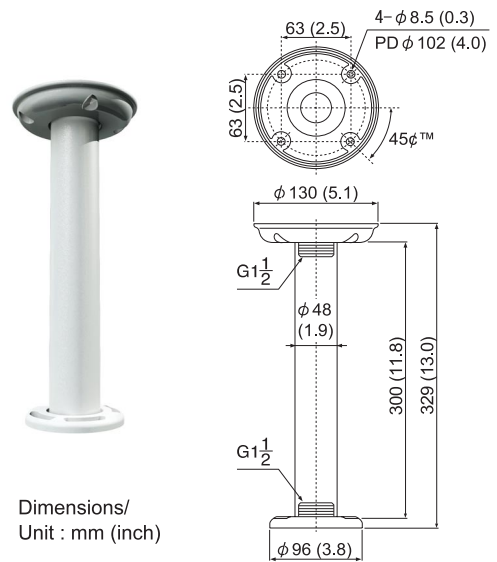


For VPD 100/VDA140



For VPD 370/MPD330

◆ Pendant Mount



Dimensions/
Unit : mm (inch)



For VDA90-S



For VDA90-R



For VDA110



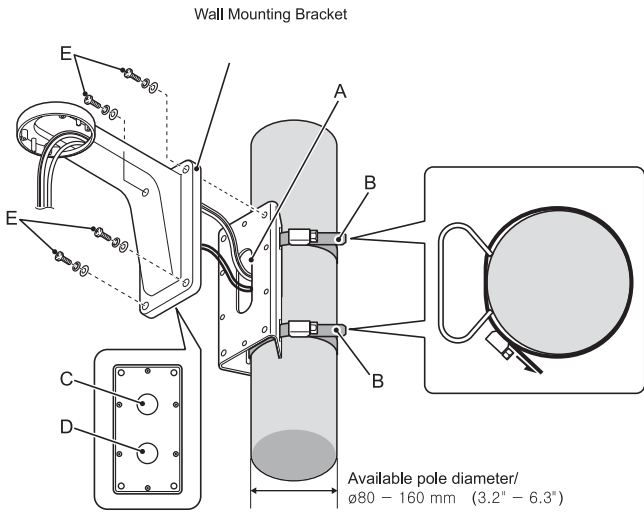
For VPD 100/VDA140



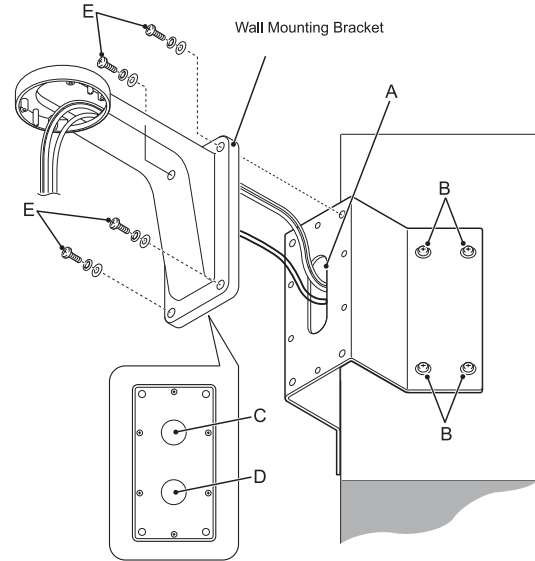
For VPD 370/VPD330

Vandal Dome Accessories

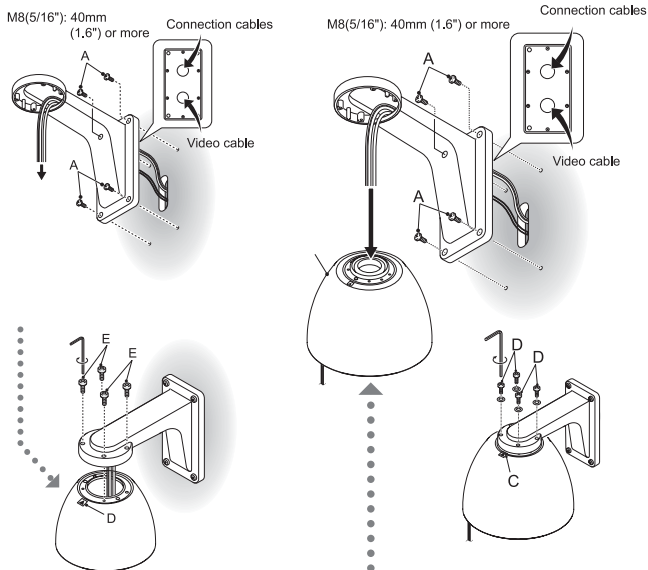
◆ Pole Mount



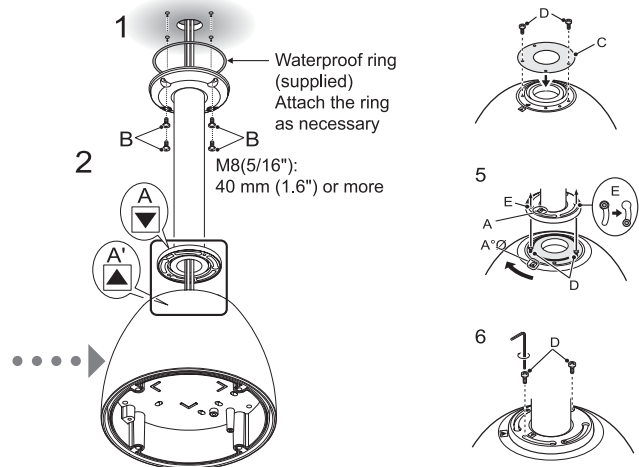
◆ Corner Mount



◆ Wall Mount



◆ Pendant Mount



Dome Parts



Ceiling mount plate
for VDA90-Round dome



Ceiling mount plate
for VDA90 -F/S dome



VDA90 Dome
curvature Transparent



VDA90 Dome
curvature Smoked



Dome Front
for VDA90-Round dome



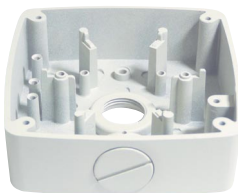
Dome Bottom
for VDA90-Round dome



Dome front
for VDA90 -F/S



Dome Bottom
for VDA90 -F



Dome Bottom
for VDA90 -S



Dome Bottom
for VDA90 -F



Adapter plate
for VDS120



In-ceiling Mount
for VPD330/370WD
VHM-370IC

Camera Bracket Part



Concealed Bracket
for VN70



Camera Bracket
for VN60/55/50, VB60, VL60



Concealed Bracket
for VN80 II, VN70 II



Concealed Bracket
for VN80



Concealed Bracket
for VN80 II



Wall mount Bracket
for VA105/205/305, VA100 II, VN90

Analog Camera

DVR

IP Camera

NVR

Accessories

VISION



Vision Digital Security Systems

Specifications are subject to change without prior notice for improvement



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