

SMART FOCUS is a Visionhitech's new automatic focus tuning technology specially designed for HD Megapixel night vision IR cameras.

Smart Focus

Why? This overcomes fundamental problems suffering from both Manual focus and Autofocus lenses. Taking advantage of this innovation, the big hassle of focus setting processes are gone during the installation of cameras as image setting comes remotely adjustable at ONE PUSH in a second. For manual lens embedded HD cameras, when installation and camera adjustment is done on the ladder truck using a small screen monitor, precise focus adjustment is almost IMPOSSIBLE. The image is blurred when zoomed in. Using an auto focus lens came up as a solution to improve this problem but it creates different challenges. Auto focus lenses are typically quite big sized, expensive, constantly responding for every changes (such as bugs, moving leaves, ropes, etc.) resulting in out-of-focus on the scene, weak focus phenomena against dark or plain background.



Quick / Easy/ Exact Focus

VARIFOCAL lens is using as an alternative against cost effective fixed lens applications for CCTV cameras which limits itself for a fixed angle of view. It was good enough for a D1 resolution surveillance where installers used to adjust focus manually by hand using a small portable extra monitor on the ladder. But it comes totally different story when it comes to HD application

Automatic focus setting manually by hand

Smart focus cameras offer a manual focus control SW on the camera with which installers can easily set the focus for only one movement of zoom in/out control viewing a small portable monitor. After only one time try, the camera itself is automatically tuned to an exactly fine focus point.

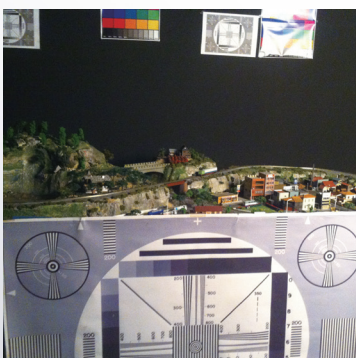
Remotely adjustable

User can adjust the focus remotely via Remote controller(HD-SDI version) or via IP Network (IP Version) with one touch. Most importantly, the camera itself searches for the finest focal point and set to it automatically within a second so that the focus is set to its maximum resolution all the time. With this, user can acquire an enhanced object recognition without fail. Accurate focus is especially noticeable when a fraction of object within the captured image is zoomed in.

In addition, Smart-focus cameras also include special image process algorithm to overcome image degradation when the camera is exposed against various harsh environments. Eventually smart focus camera fits best for the most important application where clear image should be guaranteed by all means.

Perfectly clears defocus problem of Autofocus camera

* Auto Focus camera is weak against object movements, dark environments or where the back ground is not clearly outlined. Autofocus camera repeats focusing for flying obstacles or keeps repeating tele-wide movements under dark environments resulting in loosing to undertake purposed surveillance tasks. **Smart-focus cameras** intelligently clear all those negative factors and guarantee always optimum clarity in all situations.



The most suitable applications where Smartfocus camera fits best.

- * **Special cases where the lens should be manually adjusted.**
- * **Special applications where the focused area must be moveable or the zoom in/out function be operateable from time to time remotely from the center.**
- * **Very important site where precise focus be guaranteed for 24/7 without fail.**

SMART FOCUS technology applied cameras safeguards its maximum recognition capability at various harsh day/night environments.

demo: <http://www.youtube.com/watch?v=hlc7gFVwtTU>

Product Information

Smart Focus Technology

Smart  Focus

VN8XSM2Ti 2 Megapixel IR Bullet Camera

- Full HD(1080)/30fps
- 12x (5~60mm) Smart Focus
- WDR, 2D+3DNR, Defog, ICR
- IR 100M, IP67
- POE/DC12V



VN7XSM2Ti 2 Megapixel IR Bullet Camera

- Full HD(1080)/30fps
- 12x (5~60mm) Smart Focus
- WDR, 2D+3DNR, Defog, ICR
- IR 70M, IP67
- POE/DC12V



VN6XSM2Ti 2 Megapixel IR Bullet Camera

- Full HD(1080)/30fps
- 3~10.5mm Smart Focus
- WDR, 2D+3DNR, Defog, ICR
- IR 30M, IP67
- POE/DC12V



VDA101SM2Ti-SFIR 2 Megapixel IR Armor Dome Camera

- Full HD(1080)/30fps
- 3~10.5mm Smart Focus
- WDR, 2D+3DNR, Defog, ICR
- IR 30M, Vandalproof, IP66
- POE/DC12V



For technical advice or information, please contact us!

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· Specifications (and design) are subject to change without prior notice.
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