

VDA130HQX

Super Night vision IR Vandalproof Dome

Product Information

VDA130HQX is a super sensitive IR camera specially designed for a professional Day/Night surveillance, viewable up to 40M 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 LED 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

- Powerful night sensitivity
- Intelligent IR Compensation
- True Color at Day and Real B/W at Night conversion
- High resolution of 560 TVL at Day/600 TVL at Night
- DC12V or AC24V Non-polarity power input
- 3-Axis
- External zoom & Focus adjustment
- IP65 Rainproof
- Cable concealed thru bracket
- Installation with existing telephone cable up to 40M long
- Built-in DIP SW function (BLC, AGC, ATW/PUSH)

Intelligent IR 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.



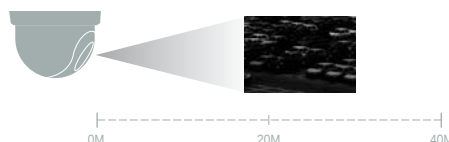
Conventional IR Image

Self-compensated IR Image

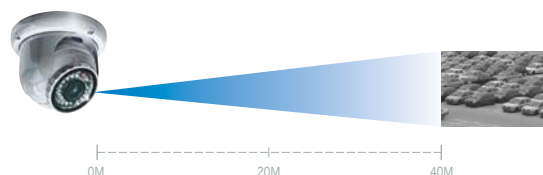
Powerful night sensitivity

This new night vision camera features an absolutely POWERFUL night vision performance capturing a clear and very bright image at pitch black '0' Lux darkness for at least 40 meter long distance. Used with an unique Visionhitech's IR Enhance technology, VDA130HQX 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.

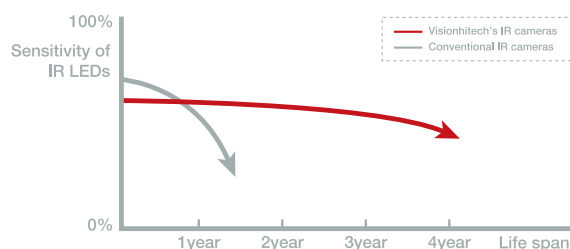


<VDA130>
Absolutely clear and bright image at even much longer distance.



Extended IR LEDs' life cycle and the sensitivity

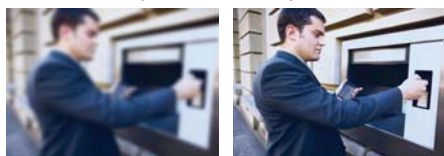
The VDA130HQX adapts the Visionhitech's special IR life protection technology that extends the life cycle of IR LEDs at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LEDs' performance are reduced day by day and finally burned to dead in short time period after the installation. Consequently the night vision performance of conventional cameras is seriously reduced within after several months of operation.



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

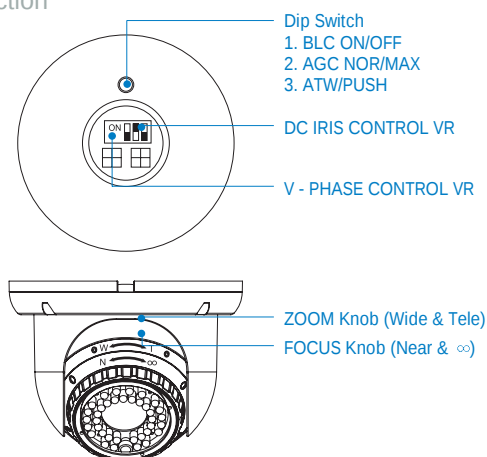
The VDA130HQX ideally combines a precise full glassed optics and newly developed professional DSP chip with Sony Super HAD CCD image sensor to deliver ultra clear color image of 560TVL in daytime. The image is automatically converted from Color to black & white at 5 lux darkness to make the image quality extremely clear and to enhance the resolution up to 600TVL at night.



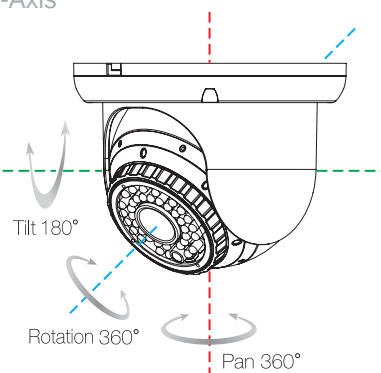
Conventional

VDA130HQX

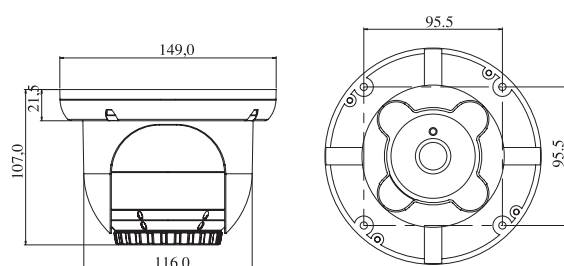
Function



Perfect 3-Axis



Dimension



MODEL	VDA130HQX-VFAL49
Image sensor	1/3" SONY Ex-view HAD Color CCD
Effective Pixels	NTSC : 768(H)X494(V) PAL : 752(H)X582(V)
H.Resolution	560 TV Lines (10 bit A/D process)- Color mode 600 TV Lines (10 bit A/D process)- BW mode
Sync. system	Internal / Line Lock
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	Ex-view HAD - 0.1 Lux at 1.6(w/o IR LED)
BLC	ON / OFF
White balance	ATW/Push Lock
Gain Control	Nor/Max
Gamma correction	r=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 30° visible IR LED x 25EA
Visible distance	2- 40M(Ex-view HAD)
IR MTBF	20,000 hours
Power source	12VDC / 24VAC
Operation current	45mA(12VDC) / 230mA(24VAC)
Lens Standard	4mm ~ 9mm varifocal DC iris
Option	9m ~ 22mm varifocal DC Iris
Operating Temp.	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Output Terminal	4 Feet DIY cable with BNC-Fe for Video, terminal block for Power
Measurement(mm)	149(D)x107(L)
Weight(Approx.g)	1800
Optional feature	External Audio with C-Mic" - 35dB / mV "