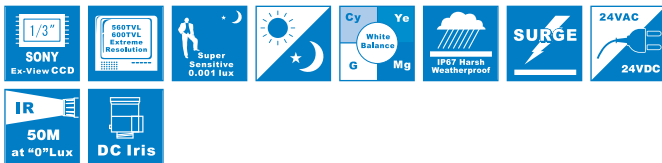


Product Information

VN90HQX is a super sensitive IR camera specially designed for a professional Day/Night surveillance, viewable up to 50M 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

- Powerful night sensitivity
- Intelligent IR Compensation
- 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
- High resolution of 560 TVL at Day/600 TVL at Night
- DC24V or AC24V Non-polarity power input
- IP67 Weatherproof
- Cable concealed thru bracket
- Installation with existing telephone cable up to 100M long
- Built-in DIP SW function (BLC, AGC, ATW/PUSH)

Intelligent IR Compensation

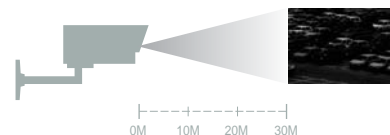
The image reflected from the IR lights becomes WHITE from the conventional IR cameras. Visionhitech's new IR Compensation technology analyzes the light saturation and automatically optimizes the level to the objects being recognizable.



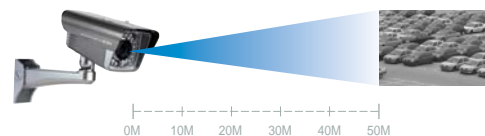
Powerful night sensitivity

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 50 meter long distance. Used with a 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.

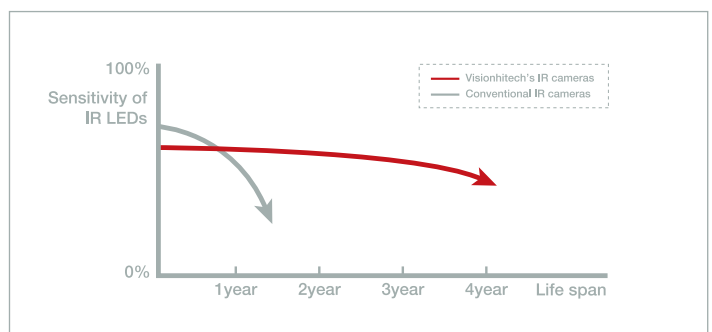


<VN90>
Absolutely clear and bright image at even much longer distance.



Extended IR LEDs' life cycle and the sensitivity

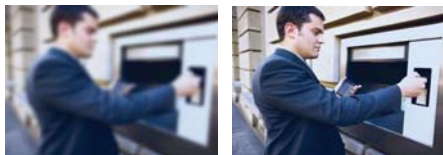
The VN90HQX adapts the Visionhitech's special IR life protection technology that extends the life cycle of IR LEDs at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LEDs' performance is reduced day by day and finally burned to dead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



VN90HQX | Super Night vision Outdoor camera

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

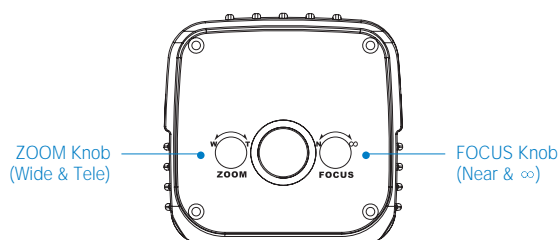
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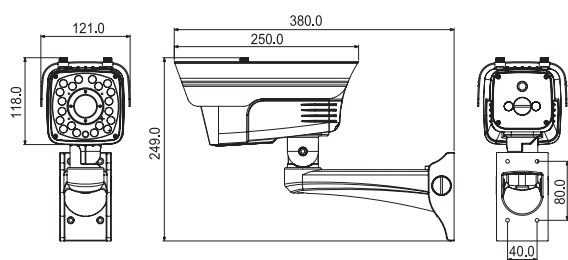
Conventional

VN90HQX

External Zoom & Focus adjustment



Dimension



MODEL	VN90HQX
Image sensor	STD : 1/3" Sony Ex-View CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL: 752(H) x 582(V)
H.Resolution	NTSC : 560 TV Lines (at Day) / 600 TV Lines (at Night) PAL : 540 TV Lines (at Day) / 580 TV Lines (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	0.001 Lux at F1.6 (IR off)
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	2100°K ~ 9100°K Auto
Gain Control	Nor/Max User selectable by S/W
Smear Effect	0.005%
Power source	24VDC or 24VAC
Operating current	100mA at 24VDC(IR "off" Day) 520mA at 24VDC(IR "on" Night)
IR Spectrum	850nm- \varnothing 10 x 30° x 20ea
Iris Control	ALC/ESC
Lens	4 ~ 9mm Varifocal DC iris
Lens Option	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)	2200