

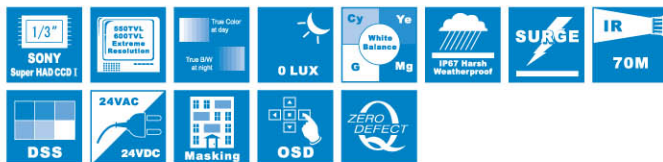
Product Information

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 or B/W to Color mode at a designated Lux level by OSD.

IR effective distance reaches up to 70 meters. Specially designed.



Key Features

- SS-3 (Hightend:High quality & Multi-function)
- 1/3" Sony Super HAD CCD II
- 5 ~ 50mm DC IRIS Lens
- Powerful night sensitivity
- Intelligent IR Compensation
- 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
- High resolution of 550 TVL at Day / 600 TVL at Night
- 24VDC/24VAC Non-polarity power input
- IP67 Weatherproof
- Cable concealed thru bracket
- Installation with existing telephone cable up to 100M long
- External Zoom & Focus Adjustment

True Day & Night

The mode of image is instantly changed from Color at daytime to BW 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 BW 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)



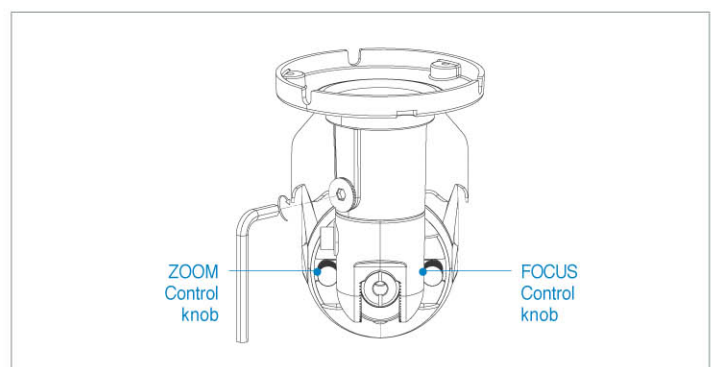
VN80SS



Conventional

External Zoom Focus Adjustment

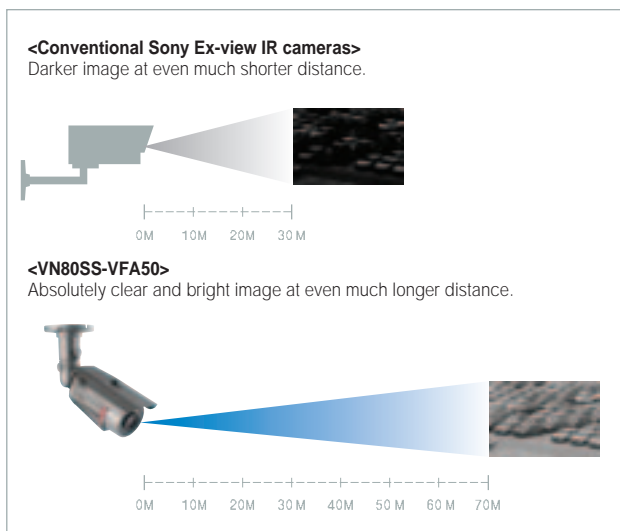
Moisture condensation and bad workmanship sometimes occur in the course of opening the housing to adjust focus. Our advanced external adjustment mechanism makes no reason to open the case and guarantees no possibility of condensation.



VN80SS-VFA50 | Super Night Vision Outdoor camera

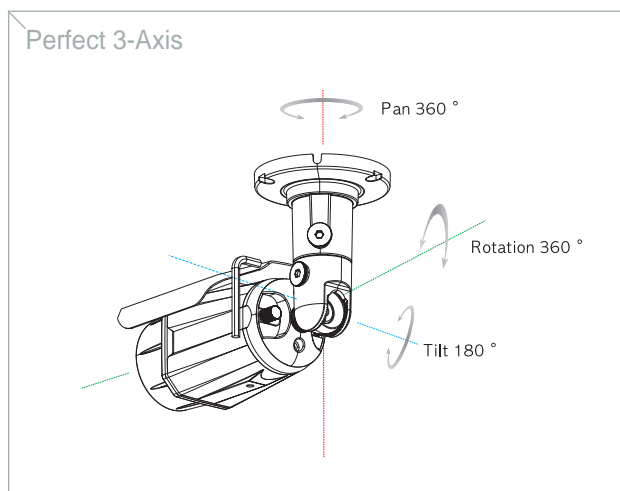
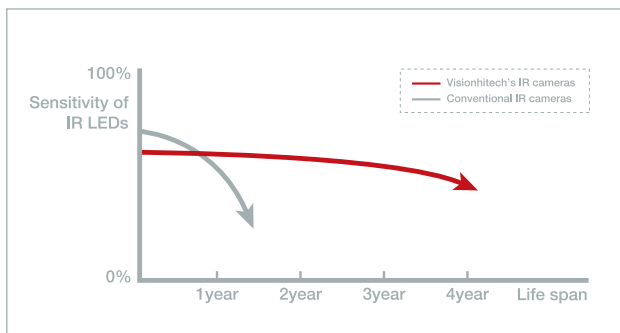
Powerful night sensitivity

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



Extended IR LEDs' life cycle and the sensitivity

The VN80SS-VFA 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/Linelock
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	120mA at 24VDC(IR "Off" Day) 550mA at 24VDC(IR "On" Night)
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

