

# VF50HQ All-in One Box camera (ICR)

## 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, this performance makes the camera produce 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 switches on and off between Day and Night. 9mm-22mm is available by option.

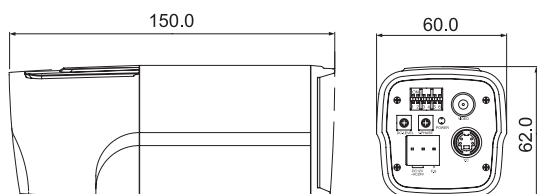
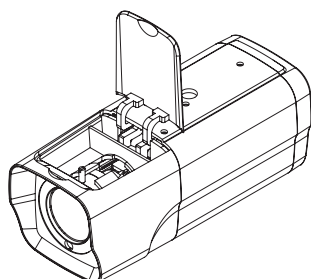
Specially designed to be able to operate from DC11V to DC40V and from AC15V to AC30V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation. It accepts either DC12V power supply or AC24V unit and with non polarity input .



## Key Features

- 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
- High performance 1/3" SONY Super HAD/Ex-view HAD CCD
- Super high resolution of 560 TV Lines at Day/600 TV Lines at Night
- Excellent Sensitivity of 0.2 Lux / F1.6 - Super HAD / 0.1 Lux / F1.6 - Ex-view HAD
- Roll free picture with 24VAC Line Lock
- DC12V or DC12V/AC24V Non-polarity Dynamic dual power input
- Precision Varifocal lens built-in (4-9mm/9-22mm)
- Auto DC Iris
- Compact and stylish modern design.

## Dimension



MODEL	VF50HQ-24/VF50HQX-24
Power source	12VDC/24VAC
Image sensor	1/3" SONY Super HAD/Ex-view HAD CCD
Effective Pixels	NTSC : 768(H)X494(V) PAL : 752(H)X582(V)
H.Resolution	560 TV Lines (Day) / 600 TV Lines (Night)
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	0.2 Lux at F1.6 (Super HAD) 0.1 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	r=0.45 / r=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 Dual Power
Operation current	12VDC : 130mA(Tol. 11-40V) 24VAC : 75mA(Tol. 15-30V)
Lens	4-9mm Varifocal Auto DC Iris (Dual Filter) 9-22mm 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)	400/400
IR Sensitivity	830nm-960nm
Dip SW function	ALC/ESC, BLC On/Off, AGC STD/Max, Gamma 0.45/1.0 WB ATW/Puch 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