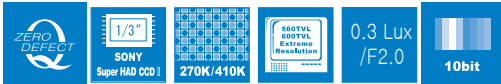
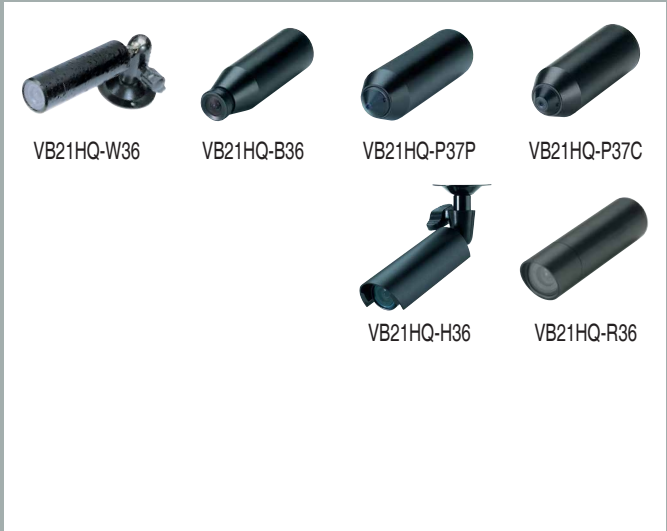


Product Information

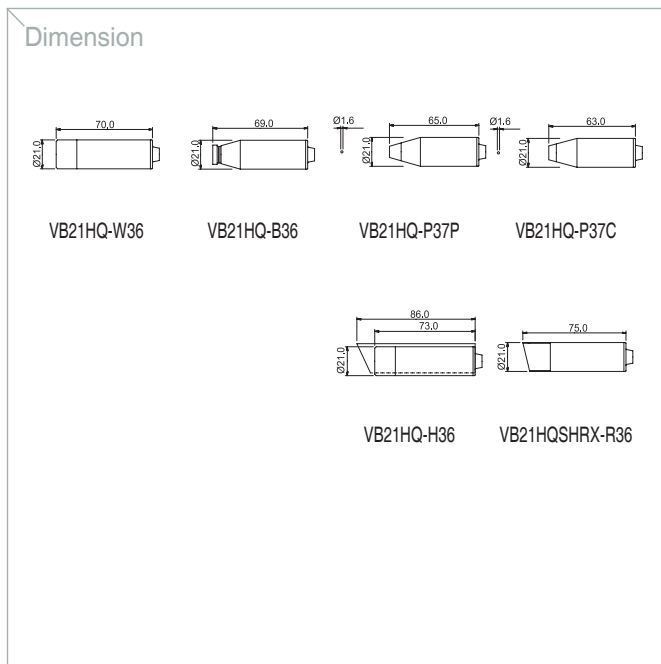
Used with the latest Sony DSP technology, the unit produces an extremely high resolution. The smart idea with user friendly housing mechanism makes it possible to adapt a wide range of different focal lens and installer can change the lens with no special skill. Our weatherproof versions provide a perfect solution for moisture leakage problem against any harsh weather condition.

The image is instantly changed from Color to BW at 5 lux (Color at day and BW at night). By this function, the horizontal and vertical resolution is greatly improved at nighttime mode and the low lux performance is improved a lot as well by utilizing the benefit of BW camera. Our fine craftsmanship reaches not only to the picture quality and compact size but also to the products Good Design. Universal type of mounting structure plus user friendly developed camera design provides a useful way of installation mountable to any place such as on the ceiling, on the wall and on the corner. Color CCD sensor is responded to IR illumination at night.



Key Features

- 1/3" Sony Super HAD CCD II
- Instant image conversion from Color to B/W at 5 Lux
- Extreme accurate color reproduction with 10 bit data process
- Super miniature size
- 560TVL(Day) / 600TVL(Night) Horizontal Resolution
- Excellent color reproduction
- Remarkable low Lux performance
- Extremely reliable operating power tolerance
- Reverse Polarity Input protection circuit built-in
- 12VDC



MODEL	VB21HQ
Image sensor	1/3" Sony Super HAD CCD II
Effective Pixels	Med-Res - NTSC : 512(H)x492(V) PAL : 500(H)x582(V) High-Res - NTSC : 768(H)x494(V) PAL : 752(H)x582(V)
H.Resolution	Med-Res : 400TVL(Day) / 420TVL(Night) Hi-Res : 500TVL(Day) / 560TVL(Night) Hi-Res(HQ) : 560TVL(Day) / 600TVL(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	0.1 Lux at F2.0
BLC	Automatic
White balance	2,100°K - 9,100°K Auto
Gain Control	4dB ~30dB Auto
Gamma correction	$\gamma = 0.45$
Smear effect	0.005%
Shutter speed	NTSC : 1/60 - 1/100,000 sec. PAL : 1/50 - 1/100,000 sec.
MTBF	80,000 hours
Power source	12VDC
Operation current	130mA w / regulated 12VDC in
Lens	Board lens : 3.6mm(92°) Board lens option : 2.5mm(145°), 2.9mm(120°), 4.3mm(78°), 6.0mm(54°), 8.0mm(39°), 12.0mm(26°), 16.0mm(19°) Pinhole Lens option Peak Cone : 2.8(120°), 3.7(90°), 5.0(60°) Semi Cone : 2.8(120°), 3.7(90°), 5.0(60°)
Operating Temperature	14°F~122° F (-10° C ~ +50 °C)
Humidity	Within 90% RH
Output Terminal	4 Feet DIY cable with BNC-Female for Video, DC Jack-Male for Power
Measurement (mm)	Refer to dimensions
Weight(Approx.g)	180 / 200 / 240
Optional Function 1	External Audio with C-Microphone " - 35dB / mV "
Optional Function 2	Infra-Red Light sensitivity
Optional Function 3	Reverse Image