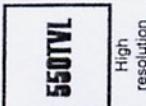
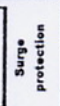
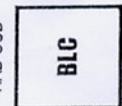
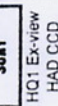
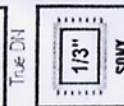
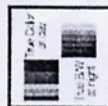
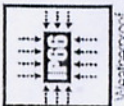


Here we introduce the paramount technology of 1/3" SONY HQ1 Ex-view HAD DSP CCD Color camera achieved by using 10 bit digital processing. Derived from our profound knowledge on the DSP color video security solution, we developed a series of compact color board came with the most reliable circuitry. At this ages it is highly demanded for the ability of making the unit as compact as possible with quality and performance continuously upgraded. Based on their supreme features, it suits best for high-end CCTV application.

Key features

- 1/3" SONY HQ1 Ex-view HAD DSP CCD
: It is a highly intensified Color CCD camera integrating absolutely professional features for high-end security application.
- Extremely accurate Color reproduction with 10 bit digital process
- Great 550 horizontal resolution thanks to SONY Super HAD DSP high grade CCD
- Excellent Color and BW reproduction close to the human eye performance.
- True Day/Night Color camera
: Built-in True Day/Night function switches the image from Color to real BW mode instantly at 4-5 lux illumination contributing the unit be greatly increased by the horizontal resolution and low light sensitivity.
- 850nm IR Sensitive - workable with a separate IR illuminator for "0" lux view
- Outstanding low light sensitivity
: The biggest benefit of using 1/3" DSP sensor for this robotic bullet camera is that the low lux performance reaches up to an extreme darkness of 0.1 lux/F2.0
- Additionally noise-free picture quality at dark view makes its low lux performance to maximum.
- Noiseless BW image quality at low lux is another important benefit from True DN function.
- External Focus Adjustment
- Wide dynamic working power tolerance
- Reverse Polarity input protection built-in!
- Extremely reliable Power control



1/3" Sony New DSP CCD
550TVL Hi-Resolution
External Lens Adjustment
850nm IR Sensitive

**PERFECT
PICTURE QUALITY**

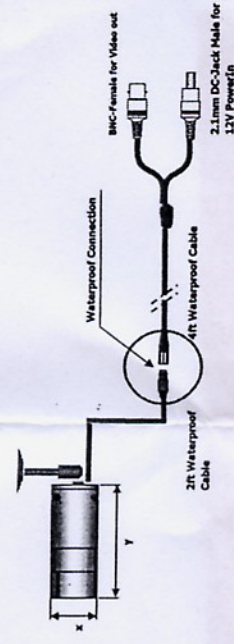


0.1Lux at F1.6-F2.4
Weatherproof IP66

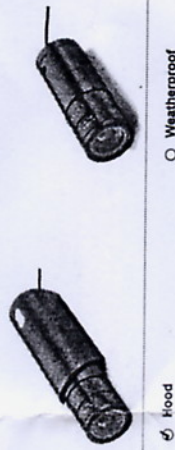
True DN Color Bullet camera

Dimensions(mm)

	x	y	Weight
Color camera	37mm	99.0mm	450g
BW camera	37mm	93.5mm	410g



Models available



Outdoor use Hood Weatherproof

Optional features

- 850nm IR Sensitive
- TRUE Day / Night - Auto conversion. Clear Color at day and vivid BW at night
: The image is instantly changed from Color to Bw at 4-5 lux (True Color at day and true BW at night). By the low lux performance is improved a lot accordingly.
- High Sensitive Audio - External Audio with C-Mic - 35dB / mV *
- Hood
- Ext. Cables w/ Waterproof connector 6ft (1.8M) 60ft (18M) 165ft (50M)
- 20ft (6M) 34ft (25M) 100ft (30M) 150ft (45M)

Specifications

<input checked="" type="checkbox"/> Image color	<input checked="" type="checkbox"/> Color <input type="checkbox"/> Black and White																														
<input checked="" type="checkbox"/> Image sensor	<table border="1"> <thead> <tr> <th>Image Format</th> <th>Model</th> <th>H Resolution</th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/> 1/3" Sharp Super HAD, Color</td><td>VB37C</td><td>380TVL</td></tr> <tr><td><input type="checkbox"/> 1/3" Sharp Super HAD, Color</td><td>VB37CH</td><td>480TVL</td></tr> <tr><td><input type="checkbox"/> 1/3" Panasonic Super HAD, Color</td><td>VB37CPH</td><td>480TVL</td></tr> <tr><td><input type="checkbox"/> 1/3" Sony Super HAD, Color</td><td>VB37CS</td><td>400TVL</td></tr> <tr><td><input type="checkbox"/> 1/3" Sony Super HAD, Color</td><td>VB37CSHR</td><td>500TVL</td></tr> <tr><td><input type="checkbox"/> 1/3" Sony HQ Super HAD, Color</td><td>VB37HQ</td><td>550TVL</td></tr> <tr><td><input checked="" type="checkbox"/> 1/3" Sony HQ Ex-view HAD, Color</td><td>VB37CSHRX</td><td>550TVL</td></tr> <tr><td><input type="checkbox"/> 1/3" Sharp Super HAD, BW</td><td>VB37HB</td><td>420TVL</td></tr> <tr><td><input type="checkbox"/> 1/3" Sharp Super HAD, BW</td><td>VB37BH</td><td>600TVL</td></tr> </tbody> </table>	Image Format	Model	H Resolution	<input type="checkbox"/> 1/3" Sharp Super HAD, Color	VB37C	380TVL	<input type="checkbox"/> 1/3" Sharp Super HAD, Color	VB37CH	480TVL	<input type="checkbox"/> 1/3" Panasonic Super HAD, Color	VB37CPH	480TVL	<input type="checkbox"/> 1/3" Sony Super HAD, Color	VB37CS	400TVL	<input type="checkbox"/> 1/3" Sony Super HAD, Color	VB37CSHR	500TVL	<input type="checkbox"/> 1/3" Sony HQ Super HAD, Color	VB37HQ	550TVL	<input checked="" type="checkbox"/> 1/3" Sony HQ Ex-view HAD, Color	VB37CSHRX	550TVL	<input type="checkbox"/> 1/3" Sharp Super HAD, BW	VB37HB	420TVL	<input type="checkbox"/> 1/3" Sharp Super HAD, BW	VB37BH	600TVL
Image Format	Model	H Resolution																													
<input type="checkbox"/> 1/3" Sharp Super HAD, Color	VB37C	380TVL																													
<input type="checkbox"/> 1/3" Sharp Super HAD, Color	VB37CH	480TVL																													
<input type="checkbox"/> 1/3" Panasonic Super HAD, Color	VB37CPH	480TVL																													
<input type="checkbox"/> 1/3" Sony Super HAD, Color	VB37CS	400TVL																													
<input type="checkbox"/> 1/3" Sony Super HAD, Color	VB37CSHR	500TVL																													
<input type="checkbox"/> 1/3" Sony HQ Super HAD, Color	VB37HQ	550TVL																													
<input checked="" type="checkbox"/> 1/3" Sony HQ Ex-view HAD, Color	VB37CSHRX	550TVL																													
<input type="checkbox"/> 1/3" Sharp Super HAD, BW	VB37HB	420TVL																													
<input type="checkbox"/> 1/3" Sharp Super HAD, BW	VB37BH	600TVL																													
<input checked="" type="checkbox"/> Effective pixels	<input type="checkbox"/> CCR / PAL 500 (H) X 582 (V) <input type="checkbox"/> EIA / NTSC 512 (H) X 492 (V) <input checked="" type="checkbox"/> PAL / CCR 752 (H) X 582 (V) <input type="checkbox"/> NTSC / EIA 768 (H) X 494 (V)																														
<input checked="" type="checkbox"/> Lens	<input checked="" type="checkbox"/> Vari focal lens series <input type="checkbox"/> VF : 4mm-9mm Vertical CCD iris lens <input type="checkbox"/> VF8 : 9 - 22mm Vertical CCD iris lens <input type="checkbox"/> VF26 : 2.6 - 6mm Vertical CCD iris lens *All lenses are exchangeable																														

<input checked="" type="checkbox"/> Min. Illumination	<input checked="" type="checkbox"/> 0.1 Lux at F2.0 <input type="checkbox"/> 0.2 Lux at F2.0 <input type="checkbox"/> 0.3 Lux at F2.0 <input type="checkbox"/> 0.5 Lux at F2.0 <input type="checkbox"/> 0.05 Lux at F2.0									
<input checked="" type="checkbox"/> Synchronizing system	Internal									
<input checked="" type="checkbox"/> Scanning system	EIA/NTSC 525 Lines CCR/PAL 625 Lines 2-1 Interlaced									
<input checked="" type="checkbox"/> Video output	1.0Vp-p Composite, 75 Ohms More than 50 dB (AGC Off)									
<input checked="" type="checkbox"/> S/N ratio	EIA/NTSC: 1/60 - 1/100,000 sec									
<input checked="" type="checkbox"/> Shutter Speed	CCR/PAL: 1/50 - 1/100,000 sec									
<input checked="" type="checkbox"/> Back Light Compensation	Automatic									
<input checked="" type="checkbox"/> Gamma correction	Standard $\gamma=0.45$									
<input checked="" type="checkbox"/> White Balance	2100°K - 9100°K Auto									
<input checked="" type="checkbox"/> Gain Control	Auto, 0dB - 32dB									
<input checked="" type="checkbox"/> Smear Effect	0.005%									
<input checked="" type="checkbox"/> MTBF	80,000 hours									
<input checked="" type="checkbox"/> Operating Temperature	14° F - 122° F (-10° C - + 50° C)									
<input checked="" type="checkbox"/> Humidity	Within 90% RH									
<input checked="" type="checkbox"/> Power source	<table border="1"> <thead> <tr> <th>Color</th> <th>Sony</th> <th>Panasonic</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> DC12V / 60mA</td> <td><input checked="" type="checkbox"/> DC12V / 130mA</td> <td><input type="checkbox"/> DC12V / 100mA</td> </tr> <tr> <td><input type="checkbox"/> DC12V / 80mA</td> <td><input type="checkbox"/> DC12V / 80mA</td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	Color	Sony	Panasonic	<input type="checkbox"/> DC12V / 60mA	<input checked="" type="checkbox"/> DC12V / 130mA	<input type="checkbox"/> DC12V / 100mA	<input type="checkbox"/> DC12V / 80mA	<input type="checkbox"/> DC12V / 80mA	<input type="checkbox"/>
Color	Sony	Panasonic								
<input type="checkbox"/> DC12V / 60mA	<input checked="" type="checkbox"/> DC12V / 130mA	<input type="checkbox"/> DC12V / 100mA								
<input type="checkbox"/> DC12V / 80mA	<input type="checkbox"/> DC12V / 80mA	<input type="checkbox"/>								
<input checked="" type="checkbox"/> Output Terminal	Refer to dimension									
<input checked="" type="checkbox"/> Measurement(mm)	Refer to dimension									
<input checked="" type="checkbox"/> Weight (Approx-g)	Refer to dimension									

