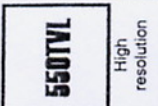
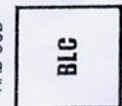
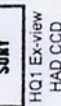
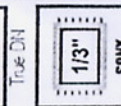
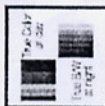
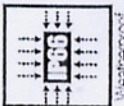


Here we introduce the paramount technology of 1/3" SONY HQ1 Ex-view HAD DSP CCD Color camera achieved by using 10 bit digital processing. Derived from our profound knowledge on the DSP color video security solution, we developed a series of compact color board came with the most reliable circuitry. At 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**

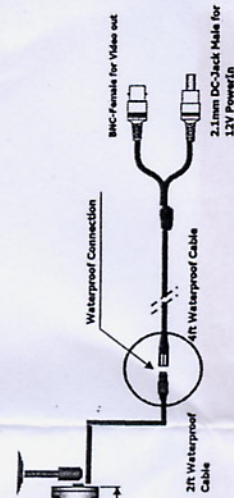


0.1Lux at F1.6-F2.4  
Weatherproof IP66

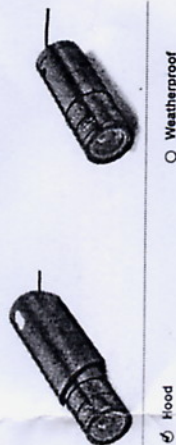
True DN Color Bullet camera

**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**

● Image color	<input checked="" type="checkbox"/> Color <input type="checkbox"/> Black and White																														
● 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
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● 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 / CCIR 752 (H) X 582 (V) <input type="checkbox"/> NTSC / EIA 768 (H) X 494 (V)																														
● Lens	<input checked="" type="checkbox"/> Vari focal lens series <input type="checkbox"/> VF : 4mm-9mm Vertical CCD iris lens <input type="checkbox"/> VF9 : 9 - 22mm Vertical CCD iris lens <input type="checkbox"/> VF26 : 2.6 - 6mm Vertical CCD iris lens *All lenses are exchangeable																														

● 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									
● Synchronizing system	Internal									
● Scanning system	EIA/NTSC 525 Lines CCR/PAL 625 Lines 2-1 Interlaced									
● Video output	1.0Vp-p Composite, 75 Ohms More than 50 dB (AGC Off)									
● S/N ratio	EIA/NTSC: 1/60 - 1/100,000 sec CCR/PAL: 1/50 - 1/100,000 sec									
● Shutter Speed	Automatic									
● Back Light Compensation	Standard $\approx$ 0.45									
● Gamma correction	2100K - 9100K Auto									
● White Balance	Auto, 0dB - 32dB									
● Gain Control	0.005%									
● Smear Effect	80,000 hours									
● MTBF	14" F-122" F (-10° C - +50° C)									
● Operating Temperature	Within 90% RH									
● Humidity	<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"/> DC12V / 80mA</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"/> DC12V / 80mA
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● Power source	Refer to dimension									
● Output Terminal	Refer to dimension									
● Measurement(mm)	Refer to dimension									
● Weight (Approx-g)	Refer to dimension									

