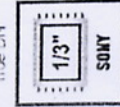
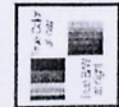
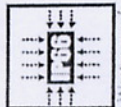


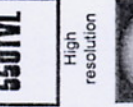
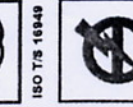
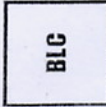
Here we introduce the paramount technology of 1/3" SONY DSP CCD Color cameras achieved by using 10 bit digital processing. Derived from our profound knowledge on the DSP color video security solution, we developed a series of compact color board came with the most reliable circuitry. At this ages it 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 HQ Super 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 660 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.
- 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 0.2 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



HQ1 SUPER HAD CCD



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

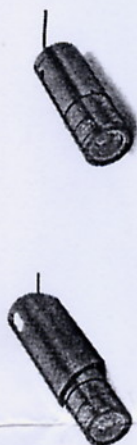
**PERFECT PICTURE QUALITY**



0.2Lux at F1.6-F2.4  
Weatherproof IP66

**True DN Color Bullet camera**

**Models available**



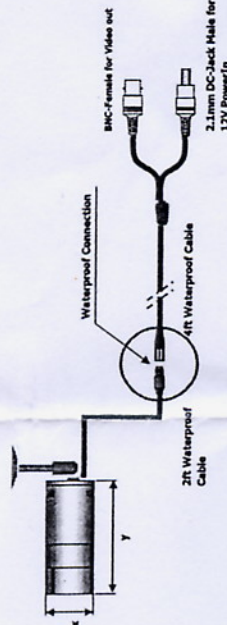
Outdoor use  Hood  Black and White  Weatherproof

**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 this function, the horizontal resolution is greatly improved at night time mode.
- High Sensitive Audio : -External Audio with C-Mic - 35dB / mV \*
- Hood
- Ext. Cables w/ Waterproof connector  6ft (1.8M)  100ft (30M)  165ft (50M)
- 20ft (6M)  34ft (10M)  150ft (45M)

**Dimensions(mm)**

	x	y	Weight
Color camera	37mm	98.0mm	450g
BW camera	37mm	83.5mm	410g



**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 type="checkbox"/> 1/3" Sony HQ Ex-view HAD, Color</td><td>VB37CSHRX</td><td>500TVL</td></tr> <tr><td><input type="checkbox"/> 1/3" Sony HQ Ex-view HAD, Color</td><td>VB37HOX</td><td>550TVL</td></tr> <tr><td><input type="checkbox"/> 1/3" Sharp Super HAD, BW</td><td>VB37B</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 type="checkbox"/> 1/3" Sony HQ Ex-view HAD, Color	VB37CSHRX	500TVL	<input type="checkbox"/> 1/3" Sony HQ Ex-view HAD, Color	VB37HOX	550TVL	<input type="checkbox"/> 1/3" Sharp Super HAD, BW	VB37B	420TVL	<input type="checkbox"/> 1/3" Sharp Super HAD, BW	VB37BH	600TVL
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● Min. Illumination	<input type="checkbox"/> 0.1 Lux at F2.0 <input checked="" 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 CCIR/PAL 625 Lines 2:1 Interlaced												
● Video output	1.0Vp-p Composite, 75 Ohms More than 50 dB (AGC OFF)												
● SN ratio	> 40dB (AGC OFF)												
● Shutter Speed	EIA/NTSC: 1/60 - 1/100,000 sec CCIR/PAL: 1/50 - 1/100,000 sec												
● Back Light Compensation	Automatic												
● Gamma correction	Standard $\gamma=0.45$												
● White Balance	2100°K - 9100°K Auto												
● Gain Control	Auto. 0dB - 32dB												
● Smear Effect	0.005%												
● MTBF	80,000 hours												
● Operating Temperature	14° F - 122° F (-10° C - + 50° C)												
● Humidity	Within 90% RH												
● Power source	<table border="1"> <thead> <tr> <th>Color</th> <th>Sharp</th> <th>Sony</th> <th>Panasonic</th> </tr> </thead> <tbody> <tr> <td>BW</td> <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></td> <td><input type="checkbox"/> DC12V / 80mA</td> <td></td> <td></td> </tr> </tbody> </table>	Color	Sharp	Sony	Panasonic	BW	<input type="checkbox"/> DC12V / 60mA	<input checked="" type="checkbox"/> DC12V / 130mA	<input type="checkbox"/> DC12V / 100mA		<input type="checkbox"/> DC12V / 80mA		
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● Output Terminal	Refer to dimension												
● Measurement(mm)	Refer to dimension												
● Weight (Approx.g)	Refer to dimension												