



## **LCC-600 MONOCHROME CAMERA**

**High Resolution  
Monochrome 600TVL**

**Low Light Sensitivity  
0.005 Lux**

**4000 Metre Rating  
(with a 6000 metre option)**

**Titanium Housing**

The Bowtech LCC-600 miniature high resolution monochrome CCD camera, one of the cameras in our Aqua Vision range, provides an extremely low cost solution to general underwater viewing and observation.

The cameras are manufactured with a high quality Titanium housing rated to 4000 metres operating depth as standard, with a 6000 metre option. The camera is fitted with a fixed focus, wide angle lens, giving a diagonal field view of 65 degrees in water through a sapphire glass window. The camera features built-in reverse polarity and surge protection.

The miniature, high quality 1/3" CCD sensor offers high resolution and low light level sensitivity. It is the ideal camera for low light underwater viewing tasks.



# LCC-600

## SPECIFICATIONS

### ELECTRICAL

Resolution, Horizontal	600 TV Lines
Limiting Light Sensitivity	0.005 Lux @ f2.0
Sensor Type	1/3" CCD
Sensor Elements	752 (H) x 582 (V)
Signal to Noise Ratio	>50dB (AGC off)
Scanning	625 Line 50Hz PAL
Power	12 to 24VDC
Current	100ma maximum
Composite Video Output	1.0V pk-pk
Electro-Magnetic Compatibility	EN50081-1 Emission/EN500852-1 Immunity
MTBF	80,000 Hours

### ENVIRONMENTAL

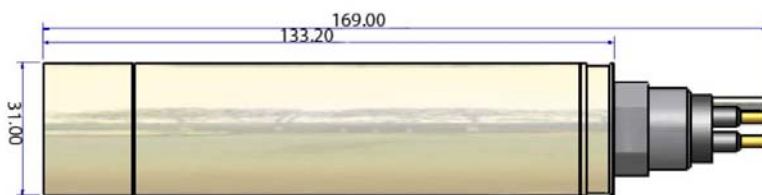
Water Depth	4000 metres / 6000 metre option
Temperature (Operating)	-10°C - +50°C
Shock	3 axis (operating) 30g peak, 6mS half-sine pulse

### OPTICAL

Lens	f2.0 2.9mm or 3.6mm, 4.3, 6, 8, 12, 16mm
Auto Iris	CCD Iris 1/50 <sup>th</sup> – 1/100,000 <sup>th</sup> sec.
Focus	Fixed 100mm – Infinity
Angle of View	91° Diagonal in Air, 65° in Water (2.9mm lens)
Window	Sapphire Glass

### MECHANICAL

Maximum Diameter	31mm (1.2")
Length	133mm (5.2") Excluding Connector
Weight in Air	266 grams (when fitted with MCBH4M)
Weight in Water	157 grams
Standard Housing	Titanium (also available as a SS-316 – weight will vary)
Standard Connector	WETCON BH-4-MP or MCBH4M
Optional Connectors	Large selection of Seacon Connectors



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