

L3C-650

Miniature Colour Camera

Features

- High Resolution Colour 650 TVL
- 10 Bit Digital Processing
- Low Light Sensitivity 0.1 Lux
- 65° Diagonal Angle of View
- 4,000 or 6,000 Metre Rated Titanium Housing



Description

The Bowtech Products L3C-650 miniature high resolution underwater colour CCD camera, provides a low cost solution to general underwater viewing and observation.

The camera housing is manufactured with high quality titanium, rated to 4,000 metres operating depth, with a 6,000 metre option.

The camera is fitted with a fixed focus wide angle lens, giving a diagonal field view of 65° in water, through a sapphire window. The camera features built-in reverse polarity and surge protection.

The miniature, high quality Sony 1/3" EX-View HAD CCD sensor, offers high resolution and low light level sensitivity, achieved by using 10 bit digital processing. It is the ideal camera for underwater viewing tasks.



Specification – L3C-650

ELECTRICAL

Resolution, Horizontal:	650 TV Lines
Limiting Light Sensitivity:	0.1 Lux @ f2.0
Sensor Type:	1/3" (Sony) EX-view HAD CCD, 10 Bit Digital Processing
Sensor Elements:	752 (H) x 582 (V) PAL, 768 (H) x 494 (V) NTSC
Signal to Noise Ratio:	>52dB
Scanning:	625 Line 50Hz PAL, 525 Line 60Hz NTSC
Voltage:	12 to 24Vdc
Current:	130mA Maximum
Composite Video Output:	1.0V pk-pk
Electro-magnetic Compatibility:	EN50081-1 Emission/EN500852-1 Immunity
MTBF:	80,000 hrs

ENVIRONMENTAL

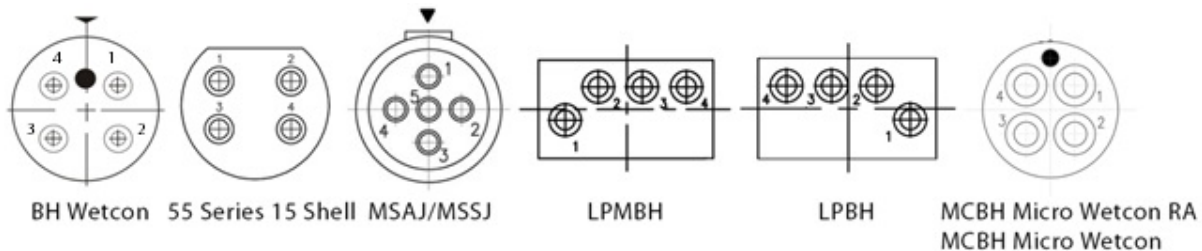
Water Depth:	4,000 or 6,000m Option
Storage Temperature:	-30 to +70°C
Operating Temperature:	-10 to +50°C (maximum 2 hrs in-air operation)
Shock:	3 Axis (operating), 30g Peak, 6ms Half-sine Pulse

OPTICAL

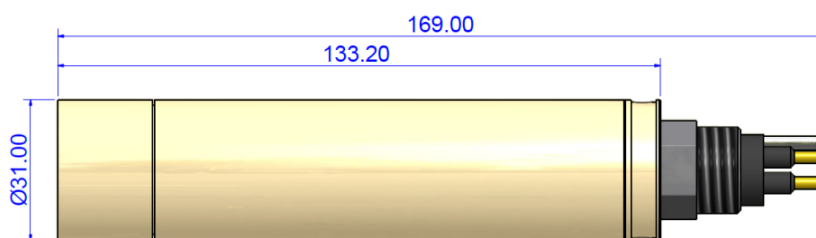
Lens:	f2.0, 2.9mm or 3.6mm, 4.3, 6, 8, 12, 16
Auto Iris:	CCD Iris 1/50th to 1/100,000th sec.
Focus:	Fixed 100mm to Infinity
Angle of View:	91° Diagonal in Air, 65° in Water (2.9mm lens)
Window:	Sapphire Glass

MECHANICAL

Maximum Diameter:	31mm
Length:	133.2mm Excluding Connector
Weight in Air:	266g (when fitted with MCBH4M)
Weight in Water:	157g
Standard Housing:	Titanium
Standard Connector:	WETCON BH-4-MP or MCBH4M
Optional Connectors:	Large Selection of Connectors Available



(connector face patterns not to scale)



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