LCC-700-610 Miniature Monochrome Camera



underwater vision specialists

Features

- High Resolution Monochrome
 700 TVL
- Fitted with 610nm Filter to Enable Detection of Fluorescing Tracer Dyes
- Low Light Sensitivity 0.01 Lux
- 65° Diagonal Angle of View
- 4,000 or 6,000 Metre Rated Titanium Housing



Description

The Bowtech Products LCC-700-610 miniature high resolution monochrome underwater CCD camera is designed for use with our LED-540 lamp and fluorescent tracer dye, as part of our Leak Detection System. It is fitted with a 610nm filter to enable detection of the fluorescing dye.

The cameras are manufactured with a high quality Titanium housing, rated to 4,000 metres operating depth as standard, 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 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.





Specification - LCC-700-610

ELECTRICAL

700 TV Lines Resolution, Horizontal: 0.01 Lux @ f2.0 Limiting Light Sensitivity: Sensor Type: 1/3" CCD Sensor Elements:

752 (H) x 582 (V) Signal to Noise Ratio: >50dB (AGC off)

625 Line 50Hz CCIR, 525 Line 60Hz EIA Scanning:

Voltage: 12 to 24Vdc **Current:** 100mA Maximum Composite Video Output: 1.0V pk-pk

EN50081-1 Emission/EN500852-1 Immunity Electro-magnetic Compatibility:

80,000 hrs MTBF:

ENVIRONMENTAL

4,000 or 6,000m Option Water Depth:

-30 to +70°C Storage Temperature: -10 to +50°C Operating Temperature: 3 Axis (operating) Shock:

30g Peak, 6ms Half-sine Pulse

OPTICAL

f2.0 2.9mm or 3.6mm, 4.3, 6, 8, 12, 16mm Lens: CCD Iris 1/50th to 1/100,000th sec. Auto Iris:

Fixed 100mm to Infinity Focus:

91° Diagonal in Air, 65° in Water (2.9mm lens) Angle of View:

Window: Sapphire Glass

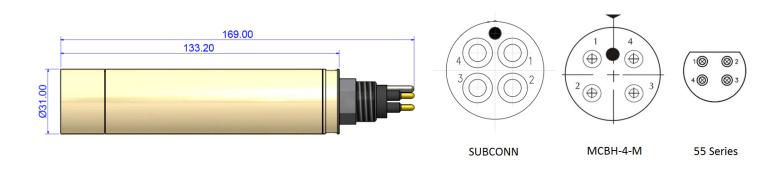
MECHANICAL

Maximum Diameter: 31mm (1.2")

133mm (5.2") Excluding Connector Length: 266g (when fitted with MCBH4M) Weight in Air:

157g Weight in Water: Titanium **Standard Housing:**

Standard Connectors: WETCON BH-4-MP or MCBH4M **Large Selection of Connectors Optional Connectors:**



(connector face patterns not to scale)





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