

L3C-400-MICRO

Ultra-miniature Colour Camera



underwater **vision** specialists

Features

- Ultra-miniature Size
- Extremely Lightweight
- Optional Integral LED
- High Resolution Colour
400 TVL
- Low Light Sensitivity
1 Lux @ f1.2
- 6,000 Metre Rated Titanium
Housing



Description

The Bowtech Products L3C-400-MICRO is the tiniest camera in our range. It is a miniature high resolution colour underwater camera.

The L3C-400-MICRO provides an extremely compact solution, to general underwater viewing and observation in restricted spaces.

The cameras are manufactured with a high quality grade 5 titanium housing, rated to 6,000 metres operating depth.

The camera is fitted with a fixed focus wide angle lens, giving a diagonal field view of 45°Ø in water, through a sapphire window. The camera features built-in reverse polarity and surge protection.

The image quality that emanates from this micro camera is astounding and will permit access to underwater viewing tasks, never previously contemplated.



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Last updated 26th April 2013
Revision: 0

Specification – L3C-400-MICRO

ELECTRICAL

Resolution, Horizontal:	400 TV Lines
Limiting Light Sensitivity:	1 Lux @ f1.2
Sensor Type:	Colour CMOS
Signal to Noise Ratio:	36dB
Sensor Scan Mode:	Progressive Scan
Voltage:	5Vdc Camera, 3.3Vdc Lights
Current:	120mA Maximum
Composite Video Output:	1.0V pk-pk, 75 ohms
LED Light Illumination:	Optional to 300mm Maximum Working Distance (subject to visibility and back reflection)

ENVIRONMENTAL

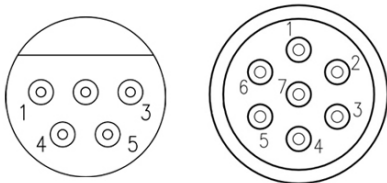
Water Depth:	6,000m
Temperature: (operating)	-10°C to +45°C
Shock:	3 Axis (operating) 30g Peak, 6ms Half-sine Pulse

OPTICAL

Lens:	1.2mm / f2.8
Focus:	Fixed 0 to 50mm
Angle of View:	60° Diagonal in Air, 45° in Water
Window:	Sapphire Glass

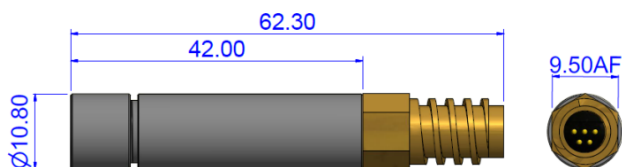
MECHANICAL

Maximum Diameter:	10.8mm
Length:	42mm Excluding Connector
Weight in Air:	20.0g (when fitted with a HUMG-5-BCR connector)
Weight in Water:	15.0g
Standard Housing:	Grade 5 Titanium
Standard Connector:	HUMG-5-BCR
Optional Connector:	GLOBEG-7-BCR



HUM-G-5-BCR GLOBEG-7-BCR

(connector face patterns not to scale)



*Actual size when brochure printed full size on A4 paper



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