

DIVECAM-650C

Miniature Colour Camera



underwater **vision** specialists

Features

- High Resolution Colour 650 TVL
- 10 Bit Digital Processing
- Low Light Sensitivity 0.1 Lux
- 65° Diagonal Angle of View
- 100 or 300 Metre Rated
Non-corrosive Acrylic Housing



Description

The Bowtech Products DIVECAM-650C miniature high resolution underwater colour CCD camera, provides a low cost solution to shallow underwater viewing and observation to 100 metres.

The cameras are manufactured with high quality acrylic housing, rated to 100 metres operating depth as standard, with a 300 metre option. The camera is fitted with a fixed focus wide angle lens, giving a diagonal field of view of 65° in water, through the unique integral acrylic window.

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 shallow viewing tasks.



Specification – DIVECAM-650C

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:	>50dB
Scanning:	625 Line 50Hz PAL, 525 Line 60Hz NTSC
Voltage:	12Vdc (+/-10%)
Current:	130mA Maximum
Composite Video Output:	1.0V pk-pk
Electro-magnetic Compatibility:	EN50081-1 Emission/EN50082-1 Immunity

ENVIRONMENTAL

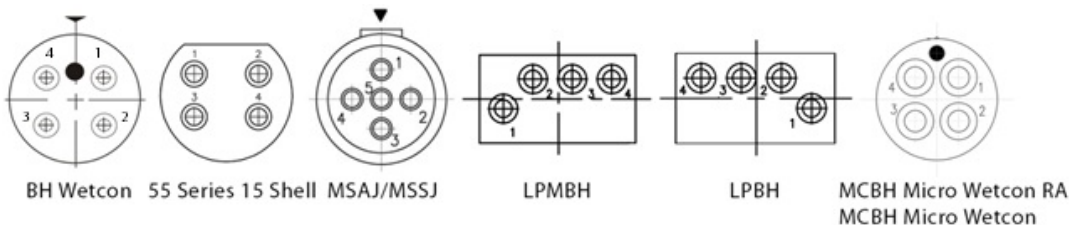
Water Depth:	100 or 300m Option
Storage Temperature:	-30 to +70°C
Operating Temperature:	-10 to +50°C
Shock:	3 Axis (operating) 30g Peak, 6ms Half-sine Pulse

OPTICAL

Lens:	2.9mm, f2.0 or 3.6mm, 4.3, 6, 8, 12, 16mm
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:	Integral Acrylic Window

MECHANICAL

Maximum Diameter:	31mm (1.2")
Length:	115mm (4.5") Excluding Connector
Weight in Air:	183g
Weight in Water:	107g
Standard Housing:	Acrylic
Standard Connector:	WETCON BH-4-MP or MCBH4M
Optional Connectors:	Large Selection of Connectors Available



(connector face patterns not to scale)

