

Divecam-720

Miniature High Resolution Camera

720 TV Lines Available in Monochrome or Colour

The Teledyne Bowtech DIVECAM-720 miniature high resolution underwater CCD camera, provides a low cost solution to shallow underwater viewing and observation to either 100 or 300 metres.

The camera has a high quality hard anodised Aluminium housing fitted with a fixed focus wide angle lens giving a diagonal field view of 65° in water.

With an acrylic window, the camera is rated to 100 m operating depth, the deeper 300 m version has a Sapphire glass window.

The miniature, high quality Sony 1/3" 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.



Applications: ROV/AUV, Diver

PRODUCT FEATURES AND BENEFITS

- High resolution colour or monochrome
- Low light sensitivity
- 0.005 Lux monochrome, 0.05 Lux colour
- 65° diagonal angle of view
- 720 TV Lines
- Compact size
- Lightweight
- 100m or 300m rated aluminium housing



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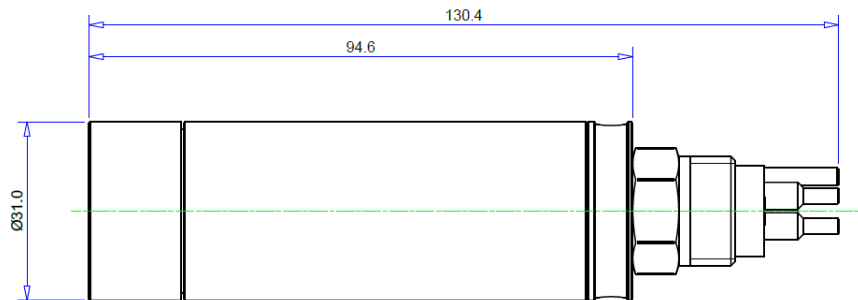
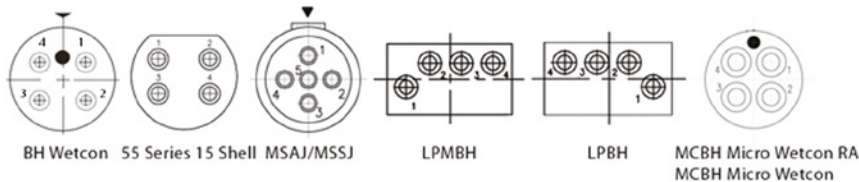
Divecam-720-AL

Miniature High Resolution Camera

TECHNICAL SPECIFICATIONS

Electrical	Resolution, Horizontal	720 TV Lines Horizontal
	Limiting Light Sensitivity	0.05 Lux Colour 0.005 Lux Monochrome
	Sensor Type	1/3" Sony CCD
	Sensor Elements	1020 (H) x 508 (V), NTSC/EIA, 1020 (H) x 596 (V) PAL/CCIR
	Signal to Noise Ratio	>50dB (AGC off)
	Scanning	625 line 50Hz PAL/CCIR, 525 line 60Hz NTSC/EIA
	Voltage	12 Vdc +/-10%
Environmental	Current	110 mA maximum
	Composite Video Output	1.0 V pk-pk
	Depth Rating	100m or 300m
	Storage Temperature	-20°C to +60°C
Optical	Operating Temperature	-10°C to +50°C
	Shock	3 Axis (operating), 30g peak, 6ms half-sine pulse
	Lens	2.9mm or 3.6mm
	Auto Iris	Electronic shutter
	Focus	Fixed 100mm to infinity
Mechanical	Angle of View	91° diagonal in air, 65° diagonal in water
	Window	Acrylic (100m) or Sapphire Glass (300m)
	Dimensions	31mm (d) x 94.6 (l) (excluding connector)
	Weight in Air	160g
	Weight in Water	110g
	Standard Housing	Hard anodised aluminium
Standard Connector	WETCON BH-4-MP or MCBH-4-MP	
	Optional Connector	Large selection of connectors available

Connector Face Patterns not to scale



Specifications subject to change without notice.
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