

Super Wide-i SeaCam[®]

A Low-Light Camera with a Wide Field of View and Minimal Distortion.



FEATURES

1/3 in CCD Sensor

Low-Light Black & White or Color

Extreme Wide Angle with Low Distortion

150 (H) x 120 (V) Degree Angle of View Under Water

Up to 12km Depth Rated

T: (858) 576-1261
F: (858) 576-0219

4033 Ruffin Road
San Diego, CA
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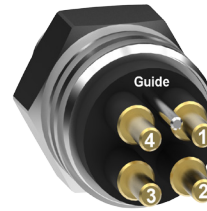
www.deepsea.com
sales@deepsea.com



Super Wide-i SeaCam®

Mechanical Specifications		
Housing	6013-T8 Hard Anodized Aluminum (Standard) 6Al-4V Titanium (Optional)	
Port	Optically polished glass hemisphere	
Outer Diameter	58.4 mm (2.30 in)	
Overall Length (w/o the connector)	104.9 mm (4.13 in)	
Weight in Air	0.47 kg (1.05 lbs)	
Weight in Water	0.23 kg (0.51 lbs)	
Environmental Specifications		
Depth Rating	6km (19,685 ft) Standard 12km (39,370 ft) Optional	
Test Pressure	69 MPa (10,000 psi) Al 138 MPa (20,000 psi) Ti	
Operating Temp.	-10° C to +40° C (14° F to 104° F)	
Storage Temp.	-30° C to +70° C (-22° F to 158° F)	
Optical Specifications		
Lens	1.4 mm, F2.2	
Focus	Fixed Focus	
Depth of Field	25 mm (1.0 in.) to infinity	
FOV in Water	150° (H) x 120° (V) x 185° (D)	
Video Specifications		
	B/W	Color
Image Sensor	1/3 inch CCD sensor	1/3 inch CCD sensor
Number of Pixels	EIA: 811 (H) x 508 (V) CCIR: 795 (H) x 596 (V)	NTSC: 811 (H) x 508 (V) PAL: 795 (H) x 596 (V)
Resolution	570 TVL	450 TVL (center)
Scene Illumination	0.002 Lux, F1.2	0.1 Lux, F1.2
Signal to Noise	46 dB	More than 50 dB
Video Output	Composite, 1.0 Vp-p 75 ohm, unbalanced	
Video Format	EIA or CCIR	NTSC or PAL
Electrical Specifications		
Power	11-30 Vdc	
Current	160 mA	145 mA

Standard Connector

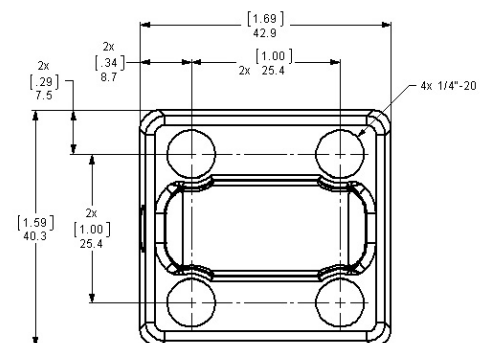
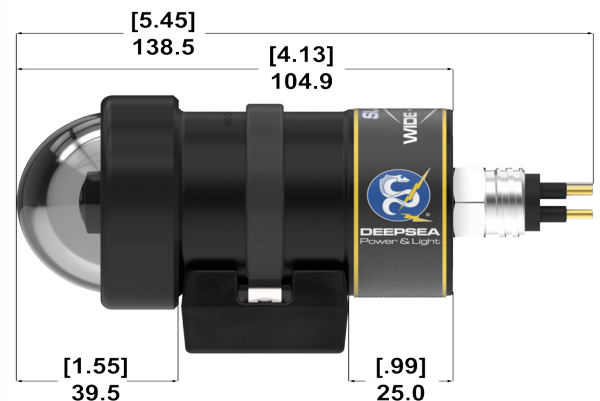
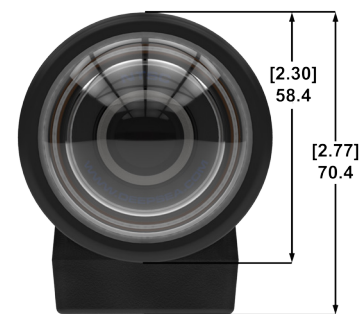


MCBH4MP

- 1 = Ground
- 2 = Power
- 3 = Video Out
- 4 = Not Used

*Other connectors and pin-out options are available upon request.

Dimensions



[inch]
mm



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