

DEEPSEA
Power & Light[®]



HD Multi SeaCam[®]

Full HD, Multi-Purpose, Versatile Workhorse Camera.



FEATURES

Rugged Design Evolved from the Multi SeaCam[®]

Full HD 1080p/30 Video Output

Titanium Housing & Scratch-Resistant Sapphire Flat Port

6000m Depth Rated

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HD Multi SeaCam®

Mechanical Specifications

Configuration	Flat Port	Dome Port
Housing	Titanium	
Port	Sapphire	Optically polished glass hemisphere
Outer Diameter	56 mm (2.20 in)	69 mm (2.72 in)
Overall Length (w/o connector)	103 mm (4.05 in)	121 mm (4.77 in)
Weight in Air	0.65 kg (1.4 lbs)	0.65 kg (1.4 lbs)
Weight in Water	0.44 kg (1.0 lbs)	0.37 kg (0.84 lbs)

Environmental Specifications

Depth Rating ¹	6,000 m (19,685 ft)	
Operating Temp. (Air and Water)	-30° C to 40° C (-22° F to 104° F)	

Optical Specifications

Lens	2.5 mm, F/2.8 Low Distortion	2.0 mm, F/3.0 Low Distortion
Focus	Fixed focus	
Depth of Field	50 mm (2 in) to Infinity	10mm (0.4in) to Infinity
FOV in Air	130° (H) x 70° (V) x 150° (D)	145° (H) x 85° (V) x 165° (D)
FOV in Water	85° (H) x 50° (V) x 95° (D)	145° (H) x 85° (V) x 165° (D)

Video Specifications

Image Sensor	1/3-in. 2.2MP CMOS, 16:9	
Resolution	1920 (H) x 1080 (V)	
Sensor Illumination	0.1 Lux	
Signal to Noise	>50 dB	
HD Video Output ²	HD-SDI 1.5 Gb/s, 1080p/30	
Analog Video Output	CVBS, NTSC/PAL Selectable	

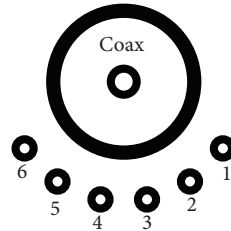
Electrical Specifications

Power	10-32 VDC, 2W-max	
Current	200mA max	

¹ 6 km depth rating is limited by connector, housing crush depth exceeds 10 km.

² Configurable to 1080p/25, 720p/60, 720p/50.

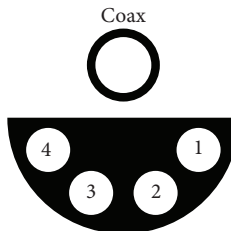
Standard Connectors



SEA CON MINL-5515 Coax Hybrid

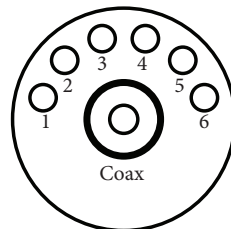
Glass to Metal Version

COAX – HD-SDI video
Pin 1 – Ground
Pin 2 – Power
Pin 3 – Analog Video (CVBS)
Pin 4 – Factory Set
Pin 5 – N/C
Pin 6 – N/C



Argus SAIV 04-03 Coax Hybrid

COAX – HD-SDI video
Pin 1 – Ground
Pin 2 – Power
Pin 3 – Analog Video (CVBS)
Pin 4 – Factory Set



SubConn 75CXBHMS Coax Hybrid

COAX – HD-SDI video
Pin 1 – Ground
Pin 2 – Power
Pin 3 – Analog Video (CVBS)
Pin 4 – Factory Set
Pin 5 – N/C
Pin 6 – N/C

*Pinout diagrams represent the orientation of the pins on the male bulkhead.

Dimensions

