

DEEPSEA
Power & Light[®]



Vertex[™] SeaCam[®]



FEATURES

Full HD Resolution

79° Horizontal FOV at Full Wide

Proprietary Corrector Optics

10x Optical Zoom

RS-232 and RS-485 Serial Control

Tristate Zoom, Focus, and Auto Focus Controls

Up to 11,000 m Depth Rating

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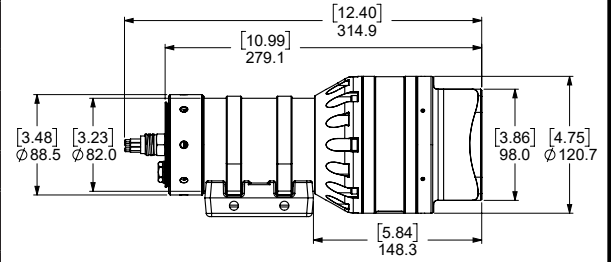
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Vertex™ SeaCam®

VSC-1080	
Optical Specifications	
Lens	3.2 mm to 32 mm F/1.8 to F/3.4
Optical Zoom	10x
Focus	Wide: 10 mm Tele: 25 mm
FOV in Water	Wide: 86° D x 79° H x 49° V Tele: TBD
Video Specifications	
Image Sensor	1/3" CMOS Progressive Scan
Measured Resolution	TBD
Scene Illumination	TBD
Faceplate Illumination	0.5 lx
Signal to Noise	> 50dB
Video Output	HD-SDI 1.485Gb/s: 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94, 720p/50, 720p/30, 720p/29.94, 720p/25 3G-SDI 2.97Gb/s: 1080p/60, 1080p/59.94, 1080p/50
Environmental Specifications	
Depth Rating	Aluminum: 6,000 m Titanium: 11,000 m
Operational Temperature	-5 °C to 40 °C [23 °F to 104 °F]
Storage Temperature	-20 °C to 60 °C [-4 °F to 140 °F]
Electrical Specifications	
Voltage	10~36 VDC
Power	Fiber Optic: 10W max FleXlink and Coax: 7W max
Serial Protocol	SeaSense™ Serial Protocol, VISCA
Control Interface	RS-232, RS-485, Tristate (zoom, focus, auto focus)
Mechanical Specifications	
Housing	6000 Series Aluminum 6Al-4V Titanium
Port	Optical glass dome
Outer Diameter	120.7 mm [4.75 in.]
Overall Length (Without Connector)	279.1 mm [10.99 in.]
Weight in Air	Aluminum: 3.84 kg [8.47 lbs]
Weight in Water	Aluminum: 1.81 kg [3.99 lbs]
Connector	
Fiber	Electric: SEACON MCBH6M Fiber Optic: SEACON MINF-1FO Contact sales for more options.
Coax	SubConn HF75CXBH6M Contact sales for more options.
FleXlink	SubConn DBH8M Contact sales for more options.



[inch]
mm

