Optim™ SeaCam®

FEATURES

Compact 4K UHD format

78° horizontal FOV at full wide

Proprietary corrector optics

15.5x optical zoom

Coax, fiber, and FleXlink output options

RS-232 and RS-485 Serial Control

Tristate zoom, focus, and auto-focus controls

Up to 11,000 m depth rating

Optim™ SeaCam®

	OSC-2080
Optical Specifications	
Lens	5.7 mm to 88.4 mm F/2.0 to F/3.8
Optical Zoom[1]	15.5x
Lossless Digital Zoom[2]	1.5x, 24x Combined
Digital Zoom	12x, 240x Combined
Focus	Wide: 50 mm ~ Infinity Tele: 350 mm ~ Infinity
FOV in Water	Wide: 86° D x 78° H x 48° V
Video Specifications	
Image Sensor	1/2.5" CMOS Progressive Scan
Scene Illumination	1.2 Lux
Faceplate Illumination	0.35 Lux
Maximum Video Resolution	3840 x 2160
Video Output	**HD-SDI 1.485Gb/s:** 1080p/29.97, 1080p/25, 1080i/59.94, 1080i/50, 720p/59.94, 720p/50 **3G-SDI 2.97Gb/s:** 1080p/59.94, 1080p/50 **6G-SDI 5.94Gb/s:** 2160p/29.97, 2160p/2
Environmental Specifications	
Depth Rating	6,000 m Optional: 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: 12W max FleXlink and Coax: 10W max
Serial Protocol	SeaSense™ Serial Protocol, VISCA
Control Interface	RS-232, RS-485, Tristate (zoom, focus, auto focus)
Mechanical Specifications	
Housing	6Al-4V Titanium
Port	Optical glass dome
Housing Diameter	107.2 mm [4.22 in]
Overall Length (Without Connector)	333.4 mm [13.12 in]
Weight in Air	6.85 kg [15.1 lb]
Weight in Water	2.73 kg [6.02 lb]
Connector	
Fiber	Electric: SEACON MCBH6M Fiber Optic: SEACON MINF-1FO Contact Sales for more options.
Coax	SEACON MINL Contact Sales for more options.
FleXlink	SubConn DBH8M Contact Sales for more options.
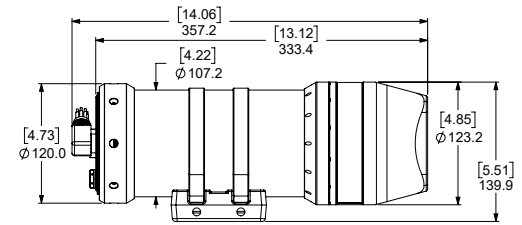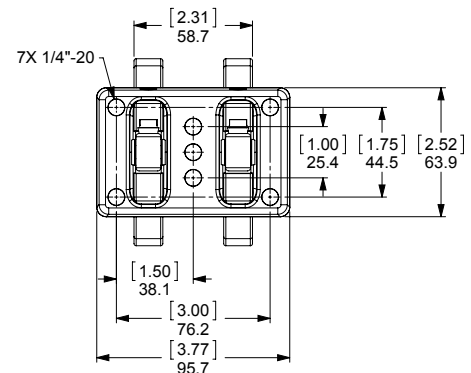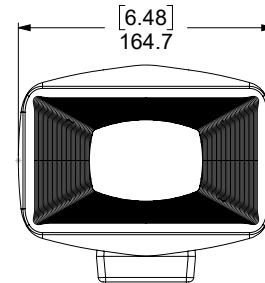
[1] Wide zoom limit set to 15.5x at factory. Full 20x optical zoom available. Image will vignette in corners at full wide with 20x optical zoom.
[2] Oversampled image on sensor provides additional zoom without degrading overall image quality.

DEEPSEA Power & Light®