

Apex[™] SeaCam[®]



Patents Pending

FEATURES

4K UHD and HD Resolutions

12x Optical Zoom

20x Lossless Digital Zoom

6,000 m Depth Rating

Titanium Housing

Proprietary Corrector Optics

4033 Ruffin Road
San Diego, CA
92123-1817 USA

T: 1-800-ITS-DSPL (487-3775)
858-576-1261
F: 858-576-0219

www.deepsea.com
sales@deepsea.com



Apex™ SeaCam®

APEX-4070	
Optical Specifications	
Lens	3.9 mm to 46.8 mm, F/1.8 to F/2.0
Optical Zoom	12x
Lossless Digital Zoom ¹	1.6x, 20x Combined
Digital Zoom	12x, 144x Combined
Focus	Wide: 110 mm ~ Infinity Tele: 850 mm ~ Infinity
FOV in Water	Wide: 72° H x 44° V x 80° D Tele: 3.2° H x 1.8° V x 3.6° D
Video Specifications	
Image Sensor	1/2.3 in. 8.9MP CMOS
Faceplate Illumination	0.56 Lux (50 IRE)
Scene Illumination	5.3 Lux (50 IRE)
Maximum Video Resolution	3840 x 2160
HD Video Output	HD-SDI 1.485Gb/s: 1080p/29.97, 1080p/25, 1080i/59.94, 1080i/50, 720p/59.94, 720p/50, 720p/29.97, 720p/25 3G-SDI 2.97Gb/s: 1080p/59.94, 1080p/50
4K UHD Video Output	6G-SDI: 2160p/29.97, 2160p/25 Dual Link 3G-SDI: 2160p/29.97, 2160p/25
Environmental Specifications	
Depth Rating	6,000 m
Operational Temperature	0° C to 40° C [32° F to 104° F]
Storage Temperature	-20° C to 60° C [-4° F to 140° F]
Electrical Specifications	
Voltage	10~36 VDC
Power	12W max
Serial Protocol	SeaSense™ Protocol, VISCA
Control Interface	RS-232, RS-485
Mechanical Specifications	
Housing	6Al-4V Titanium
Port	Optical Glass Dome
Outer Diameter	Cowl: 174.0 mm [6.85 in.] Rear Housing: 105.0 mm [4.13 in.]
Overall Length (Without Connector)	298.9 mm [11.77 in.]
Weight in Air	6.3 kg [13.89 lbs]
Weight in Water	3.1 kg [6.83 lbs]
Connector	
Fiber	Electric: SEACON MCBH6 Fiber Optic: SEACON MINF-1FO Contact sales for more options.
Coax	SEACON MINL-5515 Contact sales for more options.
FleXlink ²	SubConn DBH8MP Contact sales for more options.

¹ Lossless Digital Zoom uses a crop factor on the high resolution sensor to magnify the image, and does not limit the full-scale resolution. Lossless Digital Zoom is available in HD resolution modes only.

² 4K UHD FleXlink uses two 3G-SDI signals to transmit video. This setup requires two FleXlink media converters and corresponding 3G-SDI data channels. Contact Sales for more information.

Apex™ SeaCam®

