

DEEPSEA
Power & Light®



IP Apex™ SeaCam®



Patents Pending

FEATURES

4K UHD real-time IP streaming protocols

Up to four days of continuous onboard 4K recording

Proprietary Corrector Optics

12x Optical Zoom

Titanium housing depth rated to 6,000 m

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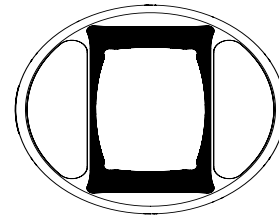
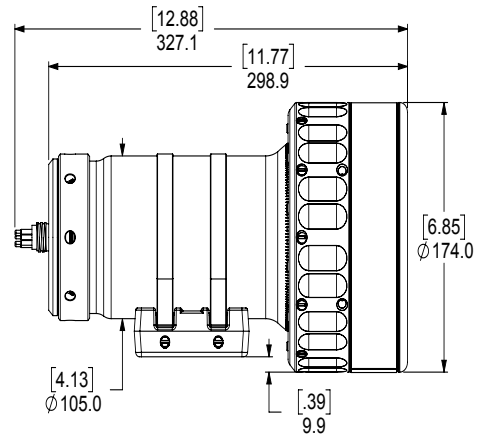
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IP Apex™ SeaCam®

IPASC-4070	
Optical Specifications	
Lens	3.9 mm to 46.8 mm, F/1.8 to F/2.0
Optical Zoom	12x
Lossless Digital Zoom¹	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
Interface Specifications	
Supported Protocols	RTP, RTSP, RTMP, MPEG-2TS
Video Compression	h.264, h.265, MJPEG
Bit Rate	4 Mbps
Benchmark Latency	594ms ²
Max Frame Rate	30 FPS
Integrated Recording	4K UHD MPEG Video
Onboard Memory	256 GB (SDHC)
Configuration Settings	Browser (Chrome, Firefox, IE), ONVIF Profile S
Environmental Specifications	
Depth Rating	6,000 m
Operational Temperature	0° C to 60° C [32° F to 140° F]
Storage Temperature	-10° C to 60° C [14° F to 140° F]
Electrical Specifications	
Voltage	10~36 VDC
Power	12W max
Serial Protocol	VISCA
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	
Ethernet	SEACON MCBH8-NET Please 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 Benchmark latency streamed with VLC, 50 ms buffer.