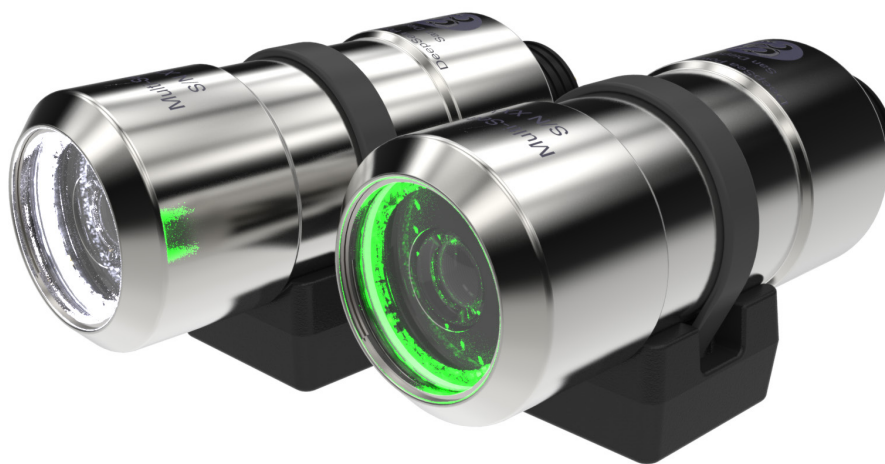


LED Multi-SeaCam[®]

The Multi-Purpose, Versatile Camera with Built-in LEDs.



FEATURES

Color, Black & White, or Low-Light Black & White

Titanium Housing Depth Rated to 4000 Meters

Scratch-Resistant Sapphire Port

Interchangeable Camera Modules

Compact Rugged Design

Integrated Variable LED Illumination

T: (858) 576-1261
F: (858) 576-0219

4033 Ruffin Road
San Diego, CA
92123- 1817 USA

www.deepsea.com
sales@deepsea.com



LED Multi-SeaCam®

	LED MSC 1055	LED MSC 1065	LED MSC 2065
Mechanical Specifications			
Housing	Titanium	Titanium	Titanium
Port	Sapphire	Sapphire	Sapphire
Outer Diameter	47.5 mm (1.87 in.)	47.5 mm (1.87 in.)	47.5 mm (1.87 in.)
Overall Length (w/o connector)	106.4 mm (4.19 in.)	106.4 mm (4.19 in.)	106.4 mm (4.19 in.)
Weight in Air	459 g (16 oz.)	459 g (16 oz.)	459 g (16 oz.)
Weight in Water	112 g (4 oz.)	112 g (4 oz.)	112 g (4 oz.)
Environmental Specifications			
Depth Rating	4000 m	4000 m	4000 m
Operating Temp.	20° C to 40° C (-4° F -104° F)	-10° C to 40° C (14° F to 104° F)	-30° C to 40° C (-22° F to 104° F)
Optical Specifications			
Lens	2.8 mm, f2.8	5 mm, f2.8	3.0 mm, f2.0
Focus	Fixed focus, wide angle	Fixed focus	Fixed focus, wide angle
Depth of Field	10 cm (4 in.) to infinity	30 cm (12 in.) to infinity	10 cm (4 in.) to infinity
FOV in Air	106° (H) x 78° (V) x 149° (D)	77° (H) x 56° (V) x 98° (D)	95° (H) x 75° (V) x 130° (D)
FOV in Water	77° (H) x 59° (V) x 98° (D)	57° (H) x 45° (V) x 71° (D)	75° (H) x 60° (V) x 85° (D)
Video Specifications			
Image Sensor	1/3-inch CCD image sensor	1/2-inch CCD image sensor	1/3-inch CCD image sensor
Number of Pixels	537 (H) x 505 (V) (EIA)	811 (H) x 508 (V) (EIA); 795 (H) x 596 (V) (CCIR)	768 (H) x 494 (V) (NTSC); 752 (H) x 582 (V) (PAL)
Resolution	400+ TV lines horizontal	570 TV lines horizontal	460 TV lines horizontal
Scene Illumination	0.27 Lux at f2.8	0.01 Lux at f2.8	1.1 Lux at f2.0
Signal to Noise	More than 45 dB	46 dB	More than 45 dB
Video Output	1.0 volt peak-to-peak into 75 ohm	1.0 volt peak-to-peak into 75 ohm	1.0 volt peak-to-peak into 75 ohm
Video Format	EIA (RS170)	EIA (RS170) or CCIR	NTSC or PAL
Electrical Specifications			
Power	11-30 Volts DC Below 14 volts DC, the LED output may be diminished.	11-30 Volts DC Below 14 volts DC, the LED output may be diminished.	11-30 Volts DC Below 14 volts DC, the LED output may be diminished.
Current	Camera 110 mA LED's 0.-250mA Total max 410mA	Camera 160 mA LED's 0.-250mA Total max 410mA	Camera 200mA LED's 0.-250mA Total max 410mA
LED Color Ring	Green	Green	White



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Standard Connector

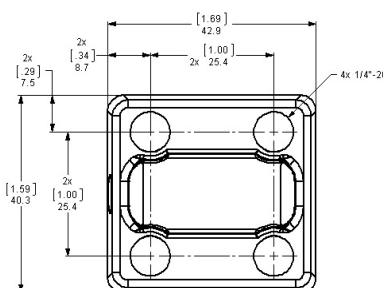
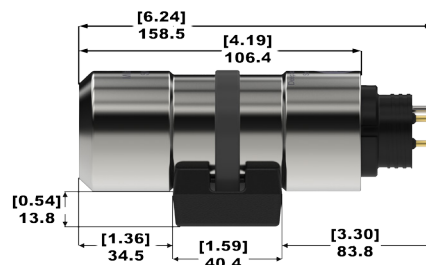
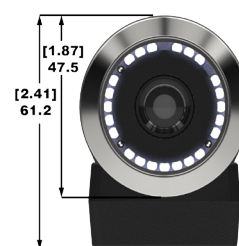


BH4MP

- 1 = Ground
- 2 = Power
- 3 = Video
- 4 = Not Used

*Other connectors and pin-out options are available upon request.

Dimensions



[inch]
mm

