

Multi-SeaCam[®]

- Color, Black & White, or Low Light Black & White
- 300 Meter or 6000 Meter Depth Rated
- Scratch-Resistant Sapphire Port
- Interchangeable Camera Modules
- Compact Rugged Design



DEEPSEA
POWER & LIGHT[®]

Multi-SeaCam®

SPEC REV A 11/11/09

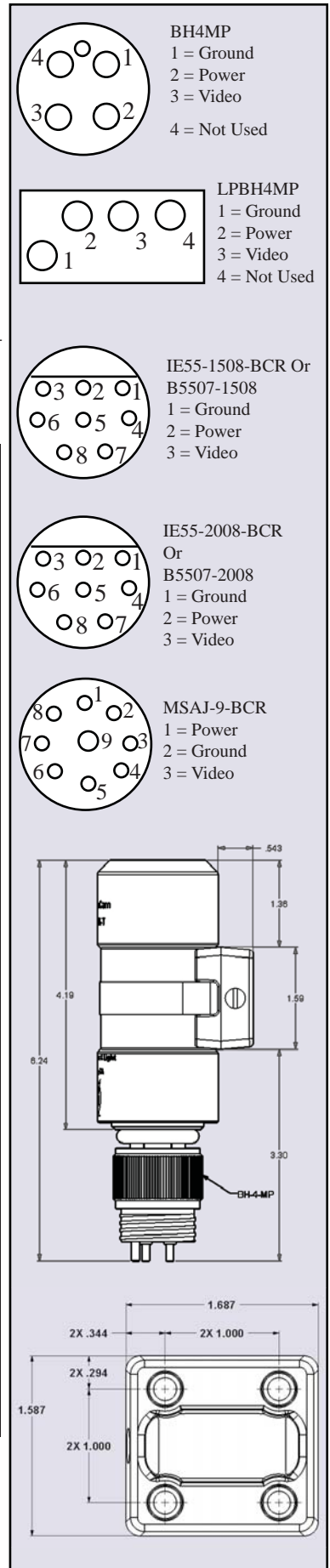
The **Multi SeaCam®** is a versatile camera designed to meet all your needs, whether for deep or shallow applications. One housing and mounting system accepts three different video camera cartridges; black & white, low light black and white, or color models. This enables you to standardize all your applications with one electrical and mechanical interface. Best of all, you can easily change camera cartridges in the field by removing a snap ring, allowing you to upgrade or repair in minutes.

Identification of camera features in the field is simplified by the use of a label under the sapphire port that indicates such features as model type, depth rating, video format, and pin-out. It's essentially a "manual on a label." Serial numbers are laser-engraved on the housing for inventory tracking.

For diver applications, the Multi SeaCam® can be mounted on a SuperLite 17 or 27 helmet using DeepSea's Universal Helmet Mounting Bracket. It also mounts to DeepSea's Universal Hand Grip for hand-held operation. Working in tandem with any of DeepSea's world-class underwater lights (such as the LED Multi-Sealite® or LED Mini-SeaLite®), the Multi SeaCam® provides the optimal under-water video solution.

	Multi SeaCam® 1050	Multi SeaCam® 1060	Multi SeaCam® 2060
MECHANICAL	Black and White	Low light black and white	color
Housing:	Delrin or Titanium	Delrin or Titanium	Delrin or Titanium
Port:	Sapphire	Sapphire	Sapphire
Outer Diameter:	4.74 cm (1.87 in.)	4.74 cm (1.87 in.)	4.74 cm (1.87 in.)
Overall Length(w/o conn.):	10.60 cm (4.19 in.)	10.60 cm (4.19 in.)	10.60 cm (4.19 in.)
Weight in Air--Delrin:	296 g (10.5 oz.)	296 g (10.5 oz.)	296 g (10.5 oz.)
Weight in Air--Titanium:	459 g (16 oz.)	459 g (16 oz.)	459 g (16 oz.)
Weight in Water--Delrin:	56 g (2 oz.)	56 g (2 oz.)	56 g (2 oz.)
Weight in Water--Titanium:	112 g (4 oz.)	112 g (4 oz.)	112 g (4 oz.)
ENVIRONMENTAL			
Rated Depth	Delrin: 300 meters Titanium: 6,000 meters	Delrin: 300 meters Titanium: 6,000 meters	Delrin: 300 meters Titanium: 6,000 meters
Operating Temperature:	-20 deg. C to +40 deg. C	-10 deg. C to +40 deg. C	-30 deg. C to +40 deg. C
OPTICAL			
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
Field of View in Air:	106 deg. (H) x 78 deg. (V) x 149 deg. (D)	77 deg. (H) x 56 deg. (V) x 98 deg. (D)	95 deg. (H) x 75 deg. (V) x 130 deg. (D)
Field of View in Water:	77 deg. (H) x 59 deg. (V) x 98 deg. (D)	57 deg. (H) x 45 deg. (V) x 71 deg. (D)	75deg. (H) x 60 deg. (V) x 85 deg. (D)
VIDEO			
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); 537 (H) x 595 (V) (CCIR)	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), CCIR	EIA (RS170), CCIR	NTSC, PAL, composite standard
ELECTRICAL			
Power:	11-30 Volts DC	11-30 Volts DC	11-30 Volts DC
Current:	110 mA	160 mA	200 mA

Specifications subject to change without notice.



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Power & Light®

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