

LED Multi-SeaCam[®]

- 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



DEEPSEA
POWER & LIGHT[®]

LED Multi-SeaCam®

SPEC REV A 3/29/10

The LED Multi SeaCam is the latest evolution of DeepSea's proven Multi SeaCam camera line. This product mates our proven imaging platform, with a powerful LED illumination system. While developed primarily as a manipulator camera for the ROV community, users will find a variety of applications for this versatile product. With camera and lights in one compact package, the possibilities are endless.

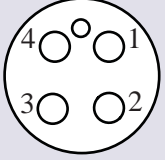
As with the standard Multi SeaCam, this camera can be delivered in black & white, low light black and white, color or with a new highly sensitive color model. All varieties of the LED Multi SeaCam are available with a titanium (4000 meter rating) housing, and the same, robust, 4-pin connection as our other Multi SeaCams. As a result, these versital cameras do not require any special cables or hardware, and can work with existing systems. (Other connectors available upon request.)

A ring of 24 ultra bright LED lights is located behind a scratch-resistant sapphire port providing variable illumination for close-up inspection applications, eliminating the need for separate lighting. The Multi SeaCam is one of the toughest, most durable and reliable cameras in the underwater industry. By integrating rugged LED lights, DeepSea has extended the capabilities of this proven product.

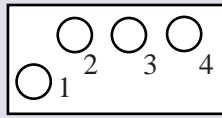
All camera versions come with DeepSea's acclaimed wide angle, fixed focus optics.

	Multi SeaCam® 1055	Multi SeaCam® 1065	Multi SeaCam® 2065
MECHANICAL	Black and White	Low light black and white	color
Housing:	Titanium	Titanium	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--Titanium:	459 g (16 oz.)	459 g (16 oz.)	459 g (16 oz.)
Weight in Water--Titanium:	112 g (4 oz.)	112 g (4 oz.)	112 g (4 oz.)
ENVIRONMENTAL			
Rated Depth	Titanium: 4,000 meters	Titanium: 4,000 meters	Titanium: 4,000 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 Below 14 volts DC, the LED output maybe diminished.	11-30 Volts DC Below 14 volts DC, the LED output maybe diminished.	11-30 Volts DC Below 14 volts DC, the LED output maybe diminished.
Current:	Camera 110 mA LED's 0-.250mA Total max 410mA	Camera 160 mA LED's 0-.250mA Total max 410mA	Camera 200 mA LED's 0-.250mA Total max 410mA
LED Color Ring	Green	Green	White

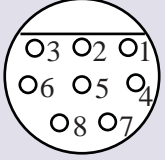
Specifications subject to change without notice.



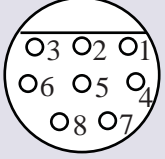
BH4MP
1 = Ground
2 = Power
3 = Video
4 = Not Used



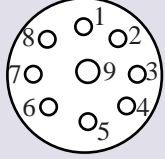
LPBH4MP
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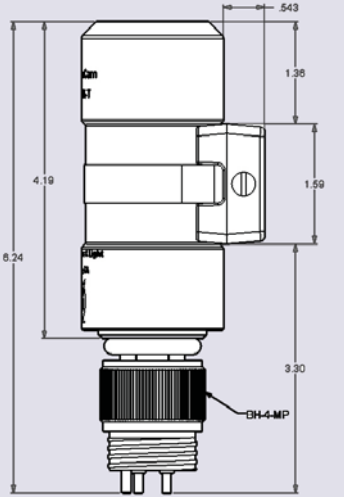
IE55-1508-BCR Or B5507-1508
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2 = Power
3 = Video

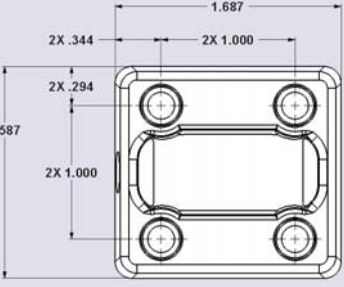


IE55-2008-BCR Or B5507-2008
1 = Ground
2 = Power
3 = Video



CS-MSAJ-9-BCR*
1 = Power
2 = Ground
3 = Video





DSPL ENG 740-067



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