

Super SeaCam[®] 5000

- 0.001 Lux Sensitivity, Overbright Resistant
- CCD Reliability
- 108 Degree Angle of View with Dome Port
- Automatic Backlight Compensation
- Depth rated to 6000 meters



DEEPSEA
POWER & LIGHT[®]

Super SeaCam® 5000 Specifications

SPEC REV A 3/29/10

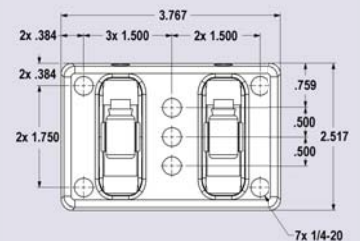
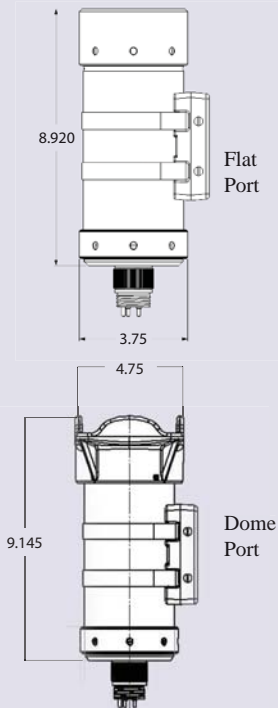
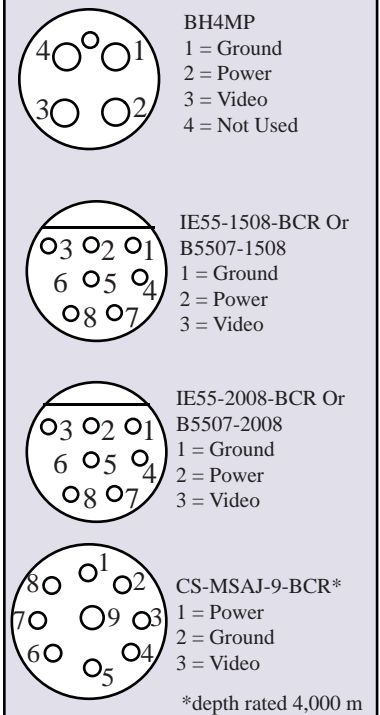
The Super SeaCam 5000 underwater monochrome video camera produces excellent images at affordable prices and is designed for either low-light or long range viewing applications at depths to 6000 meters (20,000 feet). The Super SeaCam 5000 is particularly suited for use as a primary navigation camera for any type of ROV application.

The Super SeaCam 5000 is available with Titanium (6000m) or Aluminum (2000m) housings to suit your depth requirements. To ensure razor sharp image quality, the glass port is polished to optical standards and treated with an anti-reflective coating. A sturdy mounting bracket and Delrin crashguard are included.

DeepSea's lights, cameras, batteries, and lasers are used daily in the most demanding environments on planet Earth. The Super SeaCam family of cameras continues our commitment to designing best-value products for the user who demands uncompromising quality, reliability and service.

Super SeaCam® 5000	
MECHANICAL	
Housing:	Titanium or Aluminum
Port:	Optically polished glass
Outer Diameter:	Flat Port: 9.54 cm (3.75 in) Dome Port: 12.1 cm (4.75 in)
Overall Length	Flat Port: 22.7 cm (8.92 in) Dome Port: 23.2 cm (9.15 in)
Weight in Air	Ti: 2.95 kg (6.5 lbs.) Al: 1.86 kg (4.11lbs)
Weight in Water	Ti: 1.54 kg (3.41 lbs.) Al: 0.43 kg (15 ounces)
ENVIRONMENTAL	
Rated Depth	Ti: 6000 Meters Al: 2000 Meters
Operating Temperature:	0 deg. C to +50 deg. C (32 deg F to 122 deg F)
Storage Temperature:	-20 deg. C to +60 deg. C (-4 deg F to 140 deg F)
OPTICAL	
Lens:	3.8 mm, f 0.80
Focus:	Fixed Focus
Depth of Field:	60 cm (23.6 in.) to infinity
Field of View in Air:	83 deg. (H) x 60 deg. (V) x 95 deg. (D)
Field of View in Water:	Dome Port : 108 deg. (D) x 96 deg. (H) x 78 deg. (V) Flat Port: 80 deg. (D) x 69 deg. (H) x 53 deg. (V)
VIDEO	
Image Sensor:	1/2 inch CCD Sensor
Number of Pixels:	EIA: 768 (H) x 494 (V) CCIR: 752 (H) x 582 (V)
Resolution:	570 lines horizontal
Scene Illumination:	0.001 Lux
Signal to Noise:	More than 46 dB
Video Output:	Composite, 1.0 volt (peak to peak)
Video Format:	EIA or CCIR
ELECTRICAL	
Power:	9-30 Volts DC
Current:	160 mA

Specifications subject to change without notice.



DSPL ENG 740-061,063,065



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