



Super SeaCam 6500

Low-Light Color Camera

- LOW-LIGHT SENSITIVITY
- WIDE ANGLE OPTICS
- 18X ZOOM LENS
- INFRA-RED LED
- RS-232 OR TRINARY CONTROL



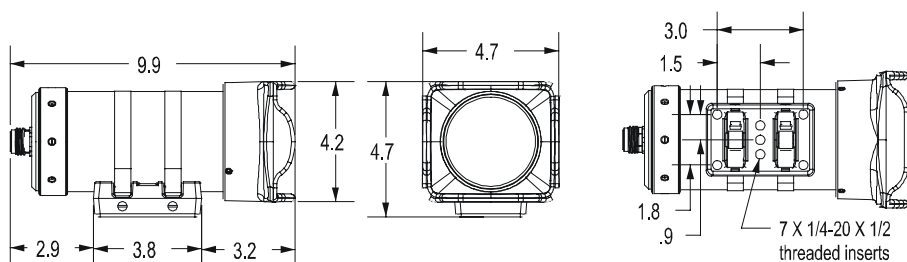
For high quality imaging under difficult lighting conditions, the Super SeaCam 6500 is the camera of choice. Under normal lighting conditions, the camera functions as a high-quality color camera. When scene illumination drops below the level needed for normal color imaging, an infra-red cut filter is removed, extending the camera's operational capability by allowing it to continue imaging as a monochrome device.

A Super HAD CCD imaging device delivers superior image quality for all types of underwater inspection and is available in your choice of Titanium (6000m), Aluminum (4000m) or Delrin™ (300m) pressure housings.

The 18X autofocus zoom lens focuses as close as 10mm. And to ensure razor sharp image quality, the glass dome is polished to optical standards and treated with an anti-reflective coating.

DeepSea's lights, cameras, batteries, lasers and temperature sensors 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 6500



MECHANICAL

Material: Titanium, Aluminum, Delrin™
 Overall Length: 25.20 cm (9.90 in.)
 Outer Diameter: 9.45 cm (3.75 in.)
 Port: Optically polished glass dome with anti-reflective coating.
 Weight in Air: Ti- 2.95kg (6.50lbs)
 Weight in Water: Ti- 1.54kg (3.40lbs)

OPTICAL

Lens: 18X (12X optical, 6X digital) zoom f=4.1 – 73.8 mm
 Focus: Auto
 Working distance: 10mm to infinity (wide angle setting)
 Field of View in Water: 104 deg. (D) x 84 deg (H) x 62 deg. (V)

VIDEO

Image Sensor: ¼-inch CCD Sensor
 Pixels: NTSC: 768 (H) x 494 (V)
 PAL: 752 (H) x 582 (V)
 Resolution: More than 470 lines horizontal
 Min. Sensitivity: 3.0 Lux (f=1.4), IR cut filter on, IR LED off
 0.0 Lux (f=1.4), IR cut filter off, IR LED on
 0.2 Lux (f=1.4), IR cut filter off, IR LED off
 Signal to Noise: 50 dB
 Video Out: Composite, Y/C
 Video Formats: NTSC, PAL

ELECTRICAL

Power: 9 – 30 VDC
 Current: Steady-state – 230mA
 Drive-state – 350mA
 Connector: MHDG-12 (standard), other options available

ENVIRONMENTAL

Depth:	Titanium	Aluminum	Delrin
	6,000 m (20,000 ft)	4,000 m (13,000 ft.)	300 m (1,000 ft.)
Operating Temp:	0 – 50 deg. C		
Storage Temp:	-20 – 60 deg. C		

Standard Pinouts

1	Power Gnd	*7	Focus(+/-)
2	Pwr	*8	Auto focus
3	Y or Comp	9	Cont& video gnd
4	Video/C	10	A**
5	Sync	11	B**
*6	Focus(+/-)	12	Not Used

*Trinary

**RS-232/485



Specifications subject to change without notice

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