



DEEPSEA
POWER & LIGHT

Micro-SeaCam 2000

**HIGH
PERFORMANCE
MINIATURE CAMERA**

**2,000 METERS
DEPTH RATING;
6,000 METERS
OPTIONAL**

Y/C OUTPUT OPTION

HIGH RESOLUTION

**ECONOMICALLY
PRICED**



The Micro-SeaCam 2000 is an ultra-small, high performance color video camera. The camera features fixed focus, wide angle optics that provide a depth of field of 10 cm (4 in.) to infinity. The incredibly small MSC-2000 measures just 2.5 cm (1.0 in.) diameter by 21.6 cm (8.5 in.) long. Unlike some other small cameras, the entire camera is contained in one housing—there is no separate electronics bottle. What makes this camera truly amazing is its 470 lines of horizontal resolution, minimum illumination of only 4.5 Lux, and optional Y/C output.

Because of its small size and high performance, the Micro-SeaCam 2000 is suitable for applications where other cameras can't fit. Diver's helmets, ROV manipulator wrists, and ROV tether management systems are but a few of the places this camera can be used.

Micro-SeaCam 2000 Specifications

MECHANICAL

Housing:	Titanium
Window Material:	Sapphire
Outer Diameter:	2.5 cm (1.0 in.) for 2000 m housing; 2.8 cm (1.1 in.) for 6000 m housing
Overall Length:	21.6 cm (8.5 in.) including connector
Weight in Air:	269 g (9.5 oz.)
Weight in Water:	170 g (6 oz.)

VIDEO

Image Sensor:	1/2-inch CCD sensor
Resolution:	470 lines horizontal
Pixels:	768 (H) x 493 (V)
Minimum Illumination:	4.5 lux at f1.2
Exposure Control:	Automatic via adjustable shutter
White Balance:	Automatic
Lens:	f3.5, fixed iris, fixed focus
Angle of View in Air:	91 deg. (H) x 66 deg. (V) x 122 deg. (D)
Angle of View in Water:	64 deg. (H) x 47 deg. (V) x 81 deg. (D)
Output:	Composite or Y/C; Master/Slave available
Video Format:	NTSC, PAL

ELECTRICAL

Power:	13-30 volts DC; above 18 Volts camera must be in water
Current:	300 mA
Composite Video Pin-Out:	1 = Ground, 2 = Power, 3 = Video, 4 & 5 = No connection
Y/C Video Pin-Out:	1 = Ground, 2 = Power, 3 = Luminance, 4 = Chrominance, 5 = Stereo sync
Connector:	MSSJ-5-BCR
Mating Connector:	MSSJ-5-CCP for 2000 m version; "Deep" MSSJ-5-CCP for 6000 m version

ENVIRONMENTAL

Depth:	2,000 meters (6,500 feet) standard; 6,000 meters (20,000 feet) option available
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Specifications subject to change without notice

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