



DEEPSEA
POWER & LIGHT

Micro-SeaCam 1010

**SMALL, LIGHT-WEIGHT
CAMERA**

**6,000 METER
DEPTH RATING**

**RUGGED
CONSTRUCTION**

**WIDE, SHARP
OPTICS**



The Micro-SeaCam 1010 underwater video camera offers low light sensitivity, extremely wide, sharp optics and a deep-rated housing that make it an ideal choice for deep ROV applications and low light environments. The MSC-1010 contains a 1/3-inch black & white CCD video camera that provides high resolution and sensitivity. Just 76.2 mm (3.0 in.) in diameter and 160 mm (6.3 in.) long, the MSC-1010 is a high-performance camera option for most applications under 6,000 meters (20,000 feet). It can be combined with DeepSea's lighting products to provide a complete underwater video and lighting solution, including strobe synchronization. The MSC-1010 comes with a Delrin crash guard.

Micro-SeaCam 1010 Specifications

MECHANICAL

Housing:	6AL4V Titanium (tiodized)
Port:	Optically polished Borosilicate glass
Outer Diameter:	76.2 mm (3.0 in.)
Overall Length:	160 mm (6.3 in.) without crash guard
Weight in Air:	840 g (1.85 lbs.)
Weight in Freshwater:	340 g (12 oz.)

OPTICAL

Lens:	6mm, f1.4 nominal, subject to application requirement
Focus:	Fixed focus, wide angle (factory set)
Depth of Field:	10 cm (4 in.) to infinity
Field of View in Water:	94 deg. (H) x 73 deg. (V) x 115 deg. (D)

VIDEO

Image Sensor:	1/3-inch CCD image sensor
Number of Pixels:	537 (H) x 505 (V) (EIA) 537 (H) x 595 (V) (CCIR)
Resolution:	400+ TV lines horizontal
Scene Illumination:	3.0 Lux at f1.4
Signal to Noise:	More than 45 dB (AGC off)
Iris:	CCD/Electronic or manual
Video Output:	1.0 volt 75 ohm (peak to peak)
Video Format:	EIA, CCIR

ELECTRICAL

Power:	11-30 volts DC
Current:	110 mA
Pin-Out (standard):	1 = Ground, 2 = Power, 3 = Video, 4 = No connection
Connector:	BH4MP, LPBH4MP

ENVIRONMENTAL

Depth:	6,000 meters (20,000 feet)
Operating Temperature:	-20 deg. C to +40 deg. C
Storage Temperature:	-30 deg. C to +70 deg. C



Specifications subject to change without notice

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