

**DEEPSEA**  
Power & Light<sup>®</sup>



# LED Micro SeaCam<sup>®</sup>

Miniature Camera with Built-in LEDs for Inspection Applications.



## FEATURES

**Miniature Video and Lighting System**

**Up to 6,000 m Depth Rating**

**Sapphire Port**

**Crisp, Wide-Angle Image**

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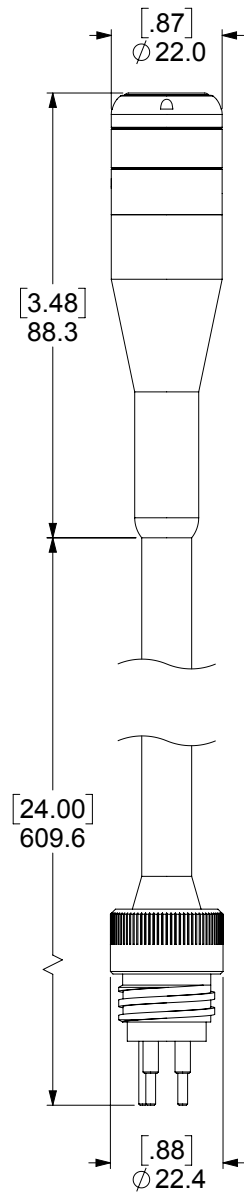
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# LED Micro SeaCam®

	LMSC
<b>Optical Specifications</b>	
<b>Lens</b>	2.54 mm FL, f/2.6
<b>Focus</b>	Fixed Focus
<b>FOV in Water</b>	55° H x 40° V x 74° D
<b>Video Specifications</b>	
<b>Image Sensor</b>	NTSC: 1/3.6 in. CMOS PAL: 1/3 in. CMOS
<b>Sensor Resolution</b>	NTSC: 656 H x 492 V PAL: 768 H x 576 V
<b>Measured Resolution</b>	540 TVL
<b>Faceplate Illumination</b>	0.8 lux
<b>Signal to Noise</b>	38 dB
<b>Video Output</b>	NTSC/PAL Composite Video (CVBS), 1.0 V p-p into 75 ohm, unbalanced
<b>Environmental Specifications</b>	
<b>Depth Rating</b>	Standard: 4,000 m Optional: 6,000 m
<b>Thermal Protection</b>	Yes
<b>Operational Temp</b>	-10° C to 50° C [14° F to 122° F]
<b>Storage Temp</b>	-40° C to 80° C [-40° F to 176° F]
<b>Electrical Specifications</b>	
<b>Voltage</b>	8~13 VDC
<b>Power</b>	2.2 W
<b>Mechanical Specifications</b>	
<b>Housing</b>	6AL-4V Titanium
<b>Port</b>	Sapphire
<b>Outer Diameter</b>	22 mm [0.87 in]
<b>Length</b>	60 mm [2.36 in] to strain relief 600 mm [23.60 in] overall
<b>Weight in Air</b>	101 g [3.56 oz]
<b>Weight in Water</b>	50 g [1.76 oz]
<b>Connector</b>	
<b>Default</b>	SEACON MCIL4-MP



[inch]  
mm