

# Nano SeaCam®

High Resolution. Compact. Durable.



## FEATURES

**Ultra Small & Compact Camera**

**Proprietary Optics**

**620 TVL Resolution**

**Up to 11,000 m Depth Rated**

**Operates in Air and Water**

**Wide Angle with CCD Reliability**

T: (858) 576-1261  
F: (858) 576-0219

4033 Ruffin Road  
San Diego, CA  
92123- 1817 USA

[www.deepsea.com](http://www.deepsea.com)  
[sales@deepsea.com](mailto:sales@deepsea.com)



# Nano SeaCam®

## Optical Specifications

<b>Lens</b>	Default: 2.54 mm Fixed Focus, F/1.6 Optional: 2.54 mm Fixed Focus, F/4.3
<b>Near Focus</b>	Default: 100 mm Optional: 25 mm
<b>Depth of Field</b>	75 mm [3.0 in] to infinity
<b>FOV in Air</b>	80° H x 60° V x 102° D
<b>FOV in Water</b>	59° H x 44° V x 72° D

## Video Specifications

<b>Image Sensor</b>	1/3 inch SONY color CCD II 410K
<b>Sensor Resolution</b>	NTSC: 768 H x 494 V PAL: 752 H x 528 V
<b>Measured Resolution</b>	620 TVL
<b>Faceplate Illumination</b>	0.04 Lux
<b>Signal to Noise</b>	More than 50dB
<b>Video Output</b>	Composite 1.0Vp-p 75ohm unbalanced
<b>Video Format</b>	NTSC or PAL

## Environmental Specifications

<b>Depth Rating</b>	6,000 m standard 11,000 m w/ Subconn BH4MP connector
<b>Operating Temperature</b>	-10° C to 50° C [14° F to 122° F]

## Electrical Specifications

<b>Input Voltage Range</b>	7~32 VDC
<b>Power Consumption</b>	1W max

## Mechanical Specifications

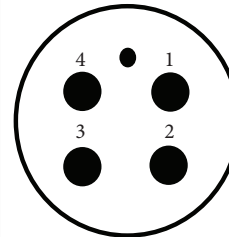
<b>Housing</b>	6Al-4V Titanium
<b>Port</b>	Optically Polished Sapphire
<b>Outer Diameter</b>	25 mm [0.99 in]
<b>Overall Length (w/o connector)</b>	54.5 mm [2.15 in]
<b>Weight in Air</b>	123.5 g [4.36 oz]
<b>Weight in Water</b>	105.34 g [3.71 oz]

## Connector

<b>Default</b>	SEACON MCBH4MP SS
----------------	-------------------

## Standard Connector

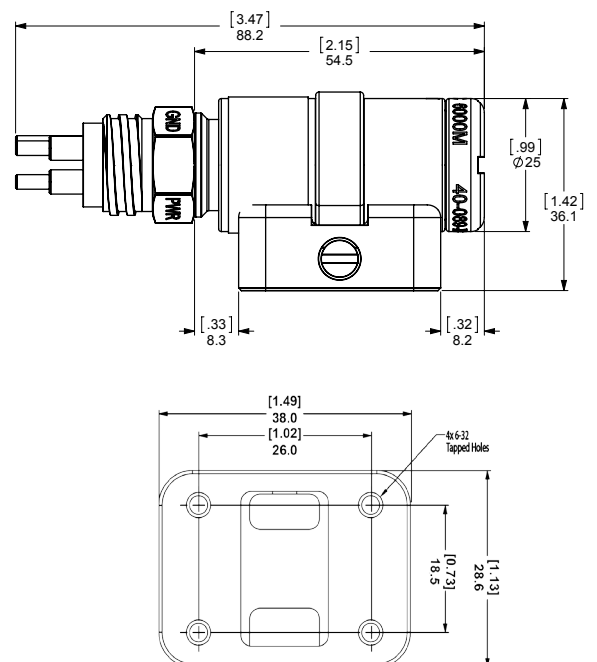
### SEACON MCBH4MP



- 1 = Ground
- 2 = Power
- 3 = Video Out
- 4 = OSD

*\*11,000 m rated is only available w/ Subconn BH4MP connector.*

## Dimensions



[inch]  
mm



T: (858) 576-1261  
F: (858) 576-0219

4033 Ruffin Road  
San Diego, CA  
92123-1817 USA

www.deepsea.com  
sales@deepsea.com

