

## SS560 Ultra Mini Color Camera with Built-In LED Ring Light Assembly Specifications

- Depth rated 6000 meters
- 640 x 480-pixel array, with 480 TVL resolution
- Built-in adjustable 8x White LED ring light
- Dynamic Range – 75 dB
- Composite video output, NTSC or PAL (specify at time of order)
- Real-time parameter setting, On Screen Display (OSD) with hand controller
- AOV in air – 101° 91' HAOV, 84° 33' VAOV, and 119° DAOV
- AOV in water – 71° HAOV, 57° VAOV, and 80.1° DAOV
- 6L4V Titanium housing (standard)



### OPTICAL SPECIFICATIONS:

<b>Lens</b>	2.3mm, F/10
<b>Fixed Focus</b>	25-200mm Depth of Field, factory adjustable to other ranges
<b>Angle of View (AOV) in Air</b>	101° 91' HAOV, 84° 33' VAOV, 119° DAOV
<b>Angle of View (AOV) in Water</b>	71° HAOV, 57° VAOV, and 80.1° DAOV
<b>Window</b>	Colorless Sapphire

### ENVIRONMENTAL SPECIFICATIONS:

<b>Water Depth</b>	6000 msw
<b>Storage Temperature</b>	-30°C to +60°C (-86°F to 140°F)
<b>Operating Temperature</b>	-10°C to +45°C (-50°F to 113°F)



## ELECTRICAL SPECIFICATIONS:

Image Sensor	1/4" Color CMOS, progressive scan
Resolution	640x480 pixel array 480 TVL
Sensitivity	0.04 lux
Signal to Noise Ratio	44.8 dB
Dynamic Range	75 dB
Camera Power Supply Voltage	5-32VDC
Camera Power Supply Current	100mA maximum
Composite Video Output	1.0 V pk-pk, 75 ohms NTSC or PAL (specified at time of order)
LED Illumination	8 x White LED
Parameter Settings	Real-time with On Screen Display (OSD), via RS 485
Standard Connector	HUMG-5-BCR
Connector Pinout	Pin 1: Composite Video Pin 2: Power & Video Common Pin 3: Camera Power, 5 to 36VDC Pin 4: D- Pin 5: D+

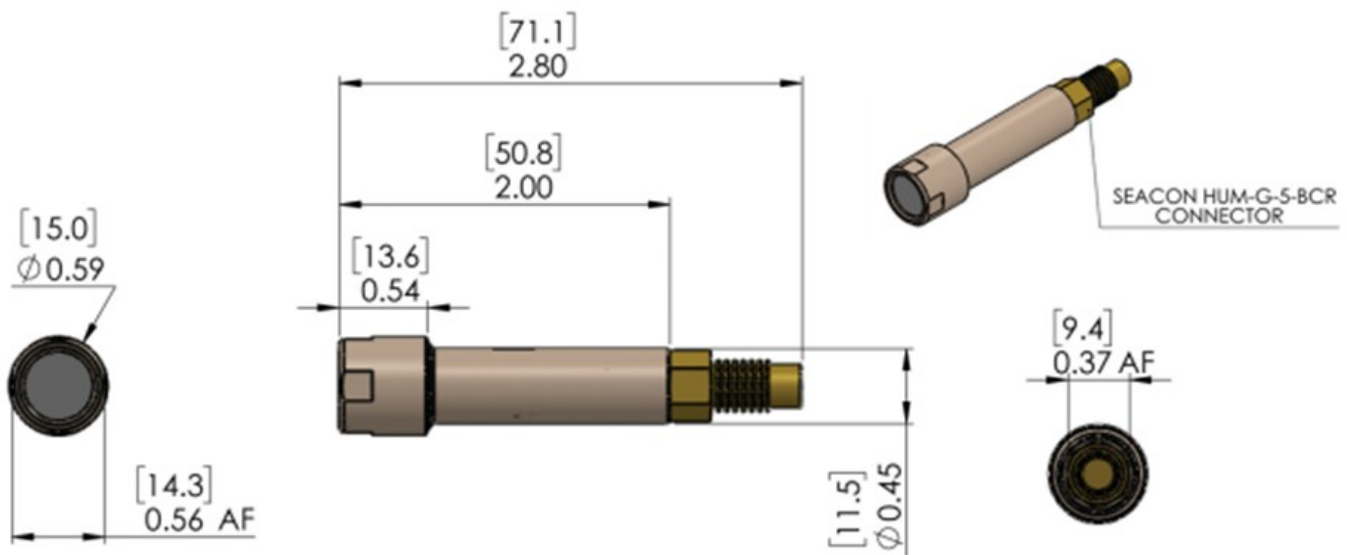
## MECHANICAL SPECIFICATIONS:

Maximum Diameter	0.59" (15.0mm)
Length (excluding connector)	2.00" (50.8mm)
Weight in Air	~7.0lb / 3.2Kg
Weight in Water	~7.0lb / 3.2Kg
Housing Material	6L4V Titanium housing



## DESIGN:

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