SIDUS Solutions

# SS560 Ultra Mini Color Camera

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Manufacturer / system supplier: SIDUS Solutions

Document type: manufacturer specification

Version 1.5 | Nov 1, 2023

Source checked: 16 September 2026

Applies to the named models and revision only. Housing, interface and performance differences must follow the individual model tables. Source discrepancies are recorded on the ROVITEC product pages; request the approved specification before integration.

**Original manufacturer source**

https://www.sidus-solutions.com/wp-content/uploads/2025/06/SS560-Ultra-Mini-Color-Camera-Datasheet.pdf

Manufacturer pages follow unchanged. Local distribution copy.

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# 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:

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

## ENVIRONMENTAL SPECIFICATIONS:

| | |
|---|---|
| **Water Depth** | 6000 msw |
| **Storage Temperature** | -30°C to +60°C (-86°F to 140°F) |
| **Operating Temperature** | -10°C to +45°C (-50°F to 113°F) |

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## ELECTRICAL SPECIFICATIONS:

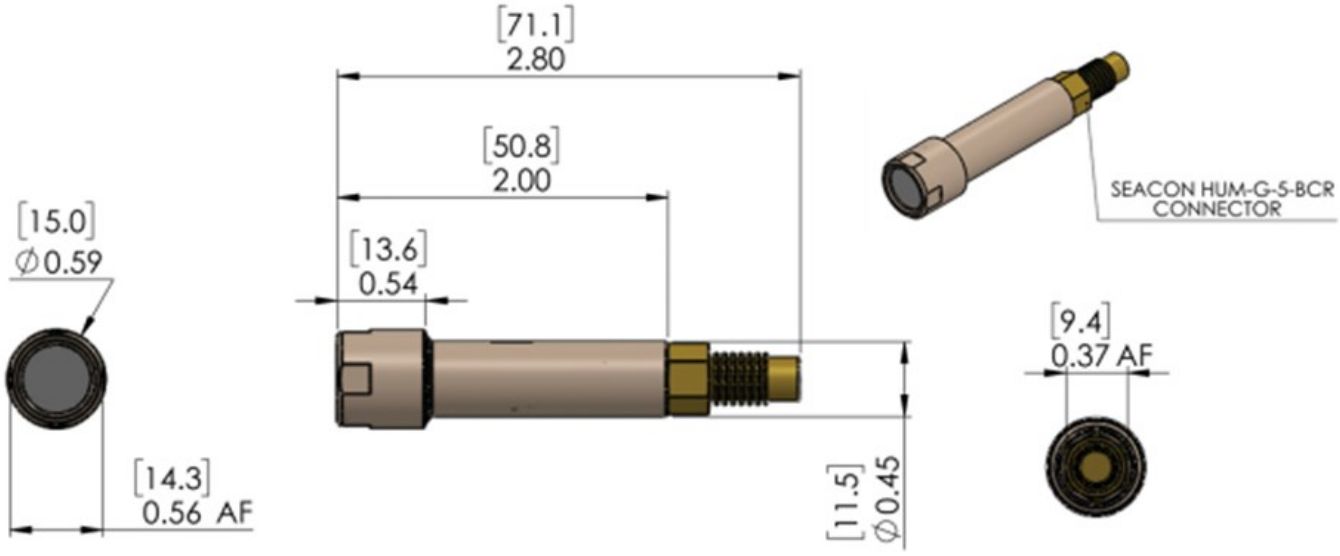
| | |
|---|---|
| **Image Sensor** | 1/4” Color CMOS, progressive scan |
| **Resolution** | 640x480 pixel array<br>480 TVL |
| **Sensitivity** | 0.04 lux |
| **Signal to Noise Ratio** | 44.8 dB |
| **Dynamic Range** | 75 dB |
| **Camera Power Supply Voltage** | 5-32VDC |
| **Camera Power Supply Current** | 100mAmaximum |
| **Composite Video Output** | 1.0 V pk-pk, 75 ohms<br>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<br>Pin 2: Power & Video Common<br>Pin 3: Camera Power, 5 to 36VDC<br>Pin 4: D-<br>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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