



Professional Solutions for Hazardous Areas & Subsea Systems

SS400 Compact Color High Resolution Camera



Sidus Solutions' SS400 is a lightweight and compact color camera. It employs a 600 TVL color module that has a 1/3" Super HAD CCD imaging sensor designed to be noise reductive. This impressive high-resolution model presents video images with wide dynamic range. Video output is provided in NTSC or PAL formats. The lens is a standard 3.6 mm that offers 92° FOV in air. Also available are 2.9 mm, 6 mm, and 8 mm. Other available

options are customer selected connectors and input voltage options. Factory presets include white balance, shutter speed, day and night function, AGC, image inversion, and color. The durable acetal housing is corrosion resistant, and will provide years of quality service. Other housing options are available to best suit the client's needs.

Specifications

Electrical

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|-----------------------|--|
| Horizontal Resolution | 600 TV Lines (NTSC or PAL) |
| Min. Illumination | .05 lux / F2.0 |
| Sensor Type | 1/3" Super HAD CCD II |
| Signal to Noise | >50dB (AGC Off) |
| Power Input | 9-36 VDC / 100 mA (max) |
| Video Output | 1.0 Vp-p, 75 ohm |
| Connector | Customer selectable - 4 pin male(MCBH4) standard |

Environmental

| | |
|-------------------|---|
| Optical Depth | 350 meters (1,000 feet) - higher ratings available |
| Temperature Range | -10° C to +50° C (+14°F to +122 F°) operating -20° C to +60°C (-4°F to +140°F) storage |
| Housing Material | Acetal -Al, Ti, and SS options available |
| O-ring Material | Buna |
| Window Material | Optical grade acrylic - Sapphire windows available |

Optical

| | | | | |
|--------------------------------|------------|-----------|-----------|-----------|
| Lens | 2.9 mm | 3.6 mm | 6 mm | 8 mm |
| Diagonal FOV (air / water) | 130° / 98° | 92° / 69° | 53° / 40° | 40° / 30° |
| Min. Working Distance in Water | 8" | 12" | 24" | 37" |
| Iris Control | Fixed | | | |
| Focus Control | Fixed | | | |

Mechanical

| | |
|-----------------|---|
| Dimensions | 1.5" in diameter x 5.3" length (38 mm x 135 mm) |
| Weight in Air | 9 oz (.25 kg) |
| Weight in Water | 3 oz (.07 kg) |



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Design and Specifications are subject to change without notification (Sept/2012).