



Professional Solutions for Hazardous Areas & Subsea Systems

## SS402 Compact Color High Resolution Deep Sea Camera



Sidus Solutions' SS402 is a lightweight and compact color camera. It employs a 600 TVL color module that has a 1/3" Sony 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. This particular model is made to endure high pressures. The housing is made out of a durable but lightweight aluminum that has a rating of 3,000 meters.

### Specifications

#### Electrical

Horizontal Resolution	600 TV Lines (NTSC or PAL)
Min. Illumination	.05 lux / F2.0
Sensor Type	1/3" Sony 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	3,000 meters (10,000 feet)
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	Aluminum 6061-T6 Anodized - Ti and SS options available
Window Material	Optical grade acrylic - Sapphire windows available
O-ring Material	Buna

#### 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	15 oz (.43 kg)
Weight in Water	5 oz (.14 kg)



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