SIDUS Solutions

SS402 Compact Color Deep-Sea Camera

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Manufacturer / system supplier: SIDUS Solutions

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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/2024/02/SS402-Datasheet-September-20124.pdf

Manufacturer pages follow unchanged. Local distribution copy.



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 avaialable			
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)			

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

SIDUS

PO Box 420698
San Diego, CA 92142
T: +1 (619) 275 5533
F: +1 (619) 275 5544

PO Box 925006
Houston, TX 77292
T: +1 (281) 596 7568
F: +1 (281) 596 7578

www.sidus-solutions.com
info@sidus-solutions.com