



Professional Solutions for Hazardous Areas & Subsea Systems

SS401 Miniature Color Zoom Camera with Remote Control



Sidus Solutions' SS401 color camera is a lightweight, robust inspection tool. At the heart of this device is a 520 TVL color camera module employing a 1/3" Sony Super HAD CCD imaging sensor. Remotely controlled features such as 3X digital zoom, white balance and electronic shutter allow for optimized video output. Other user accessible attributes are brightness, digital day and night adjust, pan and tilt function, image inversion, color, and backlighting. In a low light environment, the image automatically turns black and white to

increase the signal to noise ratio and the AGC can be adjusted for a sharper image. The video format is provided as NTSC or PAL. The SS401's design is compact and ideal for tight installations. Lens options include 2.9 mm, 3 mm, and 6 mm. The 2.9 mm allows for a wide angle of view ideal for viewing nearby objects while the 6 mm will focus on objects at a longer distance with ease. 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

Horizontal Resolution	520 TV Lines (NTSC & PAL)		
Min. Illumination	1.0 lux / F2.0		
Sensor Type	1/3" Super HAD CCD		
Signal to Noise	>50 dB (AGC off)		
Power Input	9- 36 VDC / 160mA (max)		
Video Output	1.0 Vp-p, 75 ohm		
Communication	RS-485		
Digital Zoom	3X		
Connector	Customer selectable – 5 pin male(MCBH) standard		

Environmental

Operating 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		
Window Material	Optical grade acrylic		
O-Ring Material	Buna		

Optical

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

Mechanical

Dimensions	1.5 in diameter x 5.3 in length (38mm x 135mm)		
Weight in Air	9 oz (0.25kg)		
Weight in Water	3 oz (0.07kg)		



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