



Professional Solutions for Hazardous Areas & Subsea Systems

SS408 B/W Low Light IR Sensitive Camera



Sidus Solutions' SS408 is a lightweight, durable and compact black and white camera. It is one of our smaller miniature cameras available. Designed for high sensitivity in low light, this camera employs a 420 TVL color module that has a 1/3" Sony ExView HAD CCD imaging sensor capable of sensing light as dim as .0003 lux. The ExView sensor increases visible light sensitivity by a factor of two and also increase near infrared sensitivity by a factor of 4 making this camera ideal for

night viewing. Video output is provided in EIA or CCIR formats. The lens is a standard 2.97 mm that offers 98° FOV in water. Also available are 3.6 mm, 6 mm, and 8 mm lenses. Other available options are customer selected connectors and input voltage options. 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	420 TV Lines (EIA or CCIR)
Sensitivity	.0003 lux / FacePlate
Sensor Type	1/3" Sony ExView HAD CCD
Signal to Noise	>48 dB (AGC Off)
Power Input	11-13 VDC / 120 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 4.0" length (38 mm x 102 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).