SIDUS Solutions

SS408 B&W Low-Light IR-Sensitive 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/2026/01/SS408-Datasheet.pdf

Manufacturer pages follow unchanged. Local distribution copy.

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SS408 B&W Low Light IR Sensitive Camera
Assembly Specifications



OVERVIEW:

The SIDUS Solutions SS408 is a durable, lightweight, compact black and white camera, one of our smaller miniature cameras available. Designed for high sensitivity in low light, this camera employs a 1000 TVL color module that has 1/3” 2MP Panasonic CMS imaging sensor capable of sensing light as dim as 0.008Lux and 0.0008Lux with Sense Up. Video output is provided in NTSC or PAL formats. The lens is a standard 3.6 mm that offers 69° FOV in water. Lens sizes 2.8 mm, 6 mm, and 8 mm are available upon request.

Customer selectable options include: customer selected connects and input voltage options. The standard durable acetal housing is corrosion resistant and will provide years of quality service. Other housing options are available to best suit user needs.

Housing Options	Depth Rating
Acetal	350m
Aluminum	3000m
Stainless Steel	3000m
Titanium	6000m

Field of View	Lens	Dimensions
130° / 98°	8 inches	2.8mm
92° / 69°	12 inches	3.6mm
53° / 40°	24 inches	6mm
40° / 30°	37 inches	6mm

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OPTICAL SPECIFICATIONS:

Lens	3.6mm (standard0, 2.8mm, 6mm, 8mm upon request
Field of View	98° diagonal in water 103° in air
Iris Control	Fixed
Focus Control	Fixed
Working Distance	4” to infinity

ELECTRICAL SPECIFICATIONS:

Horizontal Resolution	1000 TV Lines (NTSC or PAL)
Sensitivity	Color: 0.08 Lux, BWL 0.008 Lux Color Sense Up: 0.008 Lux, BW Sense Up: 0.0008 Lux
Signal to Noise	>52 dB (AGC Off)
Sensor Type	1/3-inch 2MP Panasonic CMOS
Power Input	12-36 VDC, 120mA (max)
Video Output	1.0 Vp-p, 75 ohm
Connector	Customer selectable—4 pin Subconn is standard
OSD Display	Available via RS485

ENVIRONMENTAL SPECIFICATIONS:

Operating Depth	Black Acetal: 350 meters (higher depth ratings available)\ Anodized Aluminum: 3000m Stainless Steel: 3000m Titanium: 6000m
Temperature Range	-10°C to + 50°C (+14°F to 122°F) operating
Storage Temperature	-20°C to + 60°C (-4°F to 140°F)
Housing Material	Acetal, Aluminum, Titanium
Window Material	Optical grade Sapphire or Acrylic
O-Ring Material	Buna

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MECHANICAL SPECIFICATIONS:

Dimensions	1.5” in diameter x 4” in length [38mm x 135mm]
Weight in Air	9 oz [0.25 kg]
Weight in Water	3 oz [0.07 kg]

DESIGN:

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