

SS408 Black & White Low Light IR Sensitive Camera Specifications



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 1000 TVL color module that has a 1/3" 2MP Panasonic CMS imaging sensor capable of sensing light as dim as 0.008Lux and 0.0008Lux with sensup.

Video output is provided in NTSC or PAL formats. The lens is a standard 2.96 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.



OPTICAL SPECIFICATIONS:

Lens	2.97mm – more lens options available
Field Of View	98° diagonal in water, 103° in air
Iris Control	Fixed
Focus Control	Fixed
Working Distance	8 inches, 20.32 cm

ELECTRICAL SPECIFICATIONS:

Horizontal Resolution	1000 TV Lines (NTSC or PAL)
Sensitivity	0.008Lux, 0.0008Lux sensup
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

ENVIRONMENTAL SPECIFICATIONS:

Operating Depth	350m, 3km, 6km depending on the housing
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

MECHANICAL SPECIFICATIONS:

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

