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**:
  - Operating: -10°C to +50°C (+14°F to +122°F)
  - Storage: -20°C to +60°C (-4°F to +140°F)
- **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)

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