SIDUS Solutions

# SS446 HD-SDI Color Zoom Camera

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Manufacturer / system supplier: SIDUS Solutions

Document type: manufacturer specification

Revision/date retained on manufacturer pages

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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/2024/02/SS446-Datasheet.pdf

Manufacturer pages follow unchanged. Local distribution copy.

SIDUS



**Professional Solutions for Hazardous Area & Subsea Systems**

# SS446 HD Video Camera




## Specifications

### Electrical

| | |
|---|---|
| Resolution | 1080i or 720p (factory set)<br>(2,000,000 pixels) |
| Sensor Type | CMOS |
| Video Output Type | HD-SDI |
| Power Input | 12-24 VDC<br>300 mA max |
| Communication | RS-485, RS-232 or<br>Analog |
| Connector | Seacon MIN-L<br>1 coax, 6 electric |

### Environmental

| | |
|---|---|
| Operating Depth | Up to 10,000 ft (3000 m) |
| Operating Temperature | 0˚C to +45˚C<br>(+32˚F to +113˚F) |
| Storage Temperature | -20˚C to +60˚C<br>(-4˚F to +140˚F) |
| Housing Material | Hard Black Anodized<br>6061-T6 Aluminum |
| Window Material | Optical Grade Acrylic |

### Optical

| | |
|---|---|
| Lens | 5.1mm to 51mm<br>(F1.8 to F2.1) |
| Zoom | 10X (Optical) |
| Field of View | 4-43˚ diagonal in water |
| Aspect Ratio | 16:9 |
| Minimum Illumination | 12 lux (F1.8) Gain +18dB |
| Focus | Autofocus and manual |
| Exposure (Iris) | Automatic and manual |
| White Balance | Automatic |

### Mechanical

| | |
|---|---|
| Dimensions | 3.4 in diameter x 7.0 in long<br>(86mm x 177mm) |
| Weight in Air | 6 lbs (3kg) |
| Weight in Water | 3.5 lbs (1.8kg) |

### Optional Acessories

| | |
|---|---|
| Mating Connector | MIN-L CCPL<br>1 coax, 6 electric |
| Mounting Cradle | 905001305-05 |
| HD Recorder | DVR 00936 |

Design and Specifications are subject to change.

Sidus Solutions' SS446 offers the latest in high definition camera technology in a compact package suitable for a variety of remotely operated vehicles (ROV) and other deep water applications. With a single connector and stunning video quality over a single coaxial cable, the SS446 makes for seamless integration into your system.

The SS446 feature a ruggedized aluminum housing and is rated for operation in depths down to 3000 meters. A graphical user interface is provided for remote control of the optical zoom, focus and exposure features. Take full advantage of the camera's potential by integration with an SS109 robotic positioner and recording on SD memory cards with the DVR 00936 HD video recorder.

P O Box 420698
**San Diego** CA 92142
619.275.5533 phone
619.275.5544 fax

P O Box 925006
**Houston** TX 77292
281.596.7568 phone
281.596.7578 fax

www.sidus-solutions.com

info@sidus-solutions.com