



SS430 High Resolution Stainless Steel Low Light B&W Camera



Sidus Solutions' SS430 is a high resolution, low light sensitive black & white underwater camera system enabling visibility in conditions with a minimum illumination of 0.0001lux. The system was upgraded as a result of breakthroughs in low light camera technology. Video output can be provided in EIA or CCIR formats and can be delivered over an internal, remotely adjustable long-line amplifier. The SS430 has been designed to handle the demands of the most rigorous and prolonged industrial deepwater applications.

Specifications

| | |
|------------------------|---|
| Camera module | ½" Interline transfer CCD image sensor |
| Number of total pixels | 811(H) X 508(V) |
| Sync system | Internal |
| Video output | 1Vp-p 75 Ω |
| Resolution | 570 TV Lines |
| Minimum illumination | 0.0001 Lux (F1.4) |
| S/N ratio | 50dB - AGC off |
| Lens focal length | 3.8 mm |
| Angle of view | 108° (D) X 89° (H) X 69° (V) in water |
| Object distance | 20cm ~ infinity |
| Iris Control | Automatic |
| Focus Control | Automatic |
| Housing material | 316 Stainless Steel |
| Dimensions | 3.38" Dia. x 7.90 long x 4.63" Dia. bezel (w/o connector) |
| Weight | 9.0 lbs/4.1 kg (in air) - 4.1 lbs/1.8 kg (in water) |
| Operating depth | 10,000 feet/3000 meters 20,000 feet/6000 meters (optional) |
| Storage temperature | -20° C ~ +60° C |
| Operating temperature | -10° ~ +50° C |
| Input power | 12 to 28 VDC - 300mA |

Design and Specifications are subject to change.

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