



Professional Solutions for Hazardous Area & Subsea Systems

SS425 High Resolution, Optically Corrected Low Light B&W Camera



Sidus Solutions' SS425 is a high resolution, low light sensitive black & white underwater camera system enabling visibility in conditions with a minimum illumination of 0.0001 lux. 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 SS425 has been designed to handle the demands of the most rigorous and prolonged industrial deepwater applications.

Specifications

Camera module	1/2" Interline transfer CCD image sensor
Number of total pixels	811(H) X 508(V)
Video output	1Vp-p 75 Ohms
Resolution	570 TV Lines (EIA/CCIR)
Minimum illumination	0.0001(F1.4)
S/N ratio	>50dB (AGC off)
Storage temperature	-20° C ~ +60° C
Operating temperature	-10° C ~ +50° C
Input Power	12 to 26 VDC - 400mA (max)
Lens Focal Length	3.8 mm
Angle of view	108° (D) X 89° (H) X 69° (V) in water
Object Distance	20 cm ~ infinity
Iris Control	Automatic
Focus	Fixed
Housing	Anodized 6061-T6 Aluminum
Weight	5.6 lbs/2.5kg in air, 2.0lbs/0.9kg in water
Dimensions	3.95" Dia. x 8.2" Long x 4.63" Dia. Bezel (w/o connector)
Connector	Customer Selectable (Seacon is standard)
Operating Depth:	10,000 feet/3000 meters

Design and Specifications are subject to change.

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

info@sidus-solutions.com
www.sidus-solutions.com