



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 0.00015 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	½" Interline transfer CCD image sensor
Number of total pixels	811(H) X 508(V)
Sync system	Internal
Scanning system	2:1 Interlace
Video output	1Vp-p 75 Ohms (unbalanced)
Resolution	570 TV Lines
Minimum illumination	0.00015 Lux (AGC Hi)
S/N ratio	50dB (AGC off)
Shutter ON (EI)	1/50 ~ 1/100000 sec.
OFF	1/50 sec.
Gamma characteristic	0.45
Back light compensation	ON
Storage temperature	-30 degrees ~ +70 degrees Celsius
Operating temperature	-10 degrees ~ +40 degrees Celsius
Input Power	12 V to 26 VDC
Lens Focal Length	3.8 mm
Aperture	1:0.8
Angle of view (Without the water corrected port)	89.2 (H) X 68.6 (V) in air
Object Distance	6" ~ infinity Auto Iris
Sensitivity Adjustment	0.5 ~ 1.0Vp-p
Iris automatically closes when power is off	
Dimensions:	3.95" Dia. x 8.2" LOA 4.63" Dia. Bezel (w/o connector)
Operating Depth:	10,000 feet/3000 meters

Design and Specifications are subject to change.

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