



SS430/SS435 High Resolution, Low Light B&W Camera



Sidus Solutions' SS430/SS435 is a high resolution, low light sensitive black & white underwater camera system enabling visibility in conditions with a minimum illumination of 0.000033 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 SS430/SS435 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 Ω unbalanced
Resolution	570 TV Lines
Minimum illumination	0.000033 Lux - AGC Hi
S/N ratio	50dB - AGC off
Shutter ON (EI)	1/50 ~ 1/100000 sec.
Gamma characteristic	0.45
Back light compensation	ON
Lens focal length	3.8 mm
Aperture	1 : 0.8 auto iris
Angle of view	73.0 (H) X 54.8 (V) in water
Object distance	6" ~ infinity
Sensitivity adjustment	0.5 ~ 1.0Vp-p
Housing material:	
SS430	Stainless Steel 316
SS435	Titanium 6Al4V
Dimensions	3.38" Dia. x 7.90" long 4.63" Dia. bezel (w/o connector)
Weight	SS430: 9.0 lbs/4.1 kg (in air), SS435: 6.5 lbs/3.0 kg (in air)
Operating depth	10,000 feet/3000 meters
Storage temperature	-30 degrees ~ +70 degrees Celsius
Operating temperature	-10 degrees ~ +40 degrees Celsius
Input power	22 to 28 VDC

Design and Specifications are subject to change.

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