



Professional Solutions for Hazardous Area & Subsea Systems

SS490 4K UHD Resolution 20X Zoom Camera



The **SS490** from **Sidus Solutions** offers 4K UHD video image quality (3840 x 2160 QFHD at up to 29.97 fps) at four times the resolution of 1080 full HD images with excellent focus and color reproduction under challenging lighting conditions. The cutting edge technology of the SS490 is perfect for applications where the clearest and highest quality image is needed in demanding environments. The SS490 features a 20x zoom (12x optical + super resolution zoom) while maintaining full 4K resolution. A combined optical + digital zoom of 144x is possible. Fully integrated automatic image processing corrects distortion, shading and chromatic aberration and provides adaptive noise reduction and visibility enhancement. The SS490 is rated for operating depths of 7 km or 3km utilizing titanium, stainless steel or aluminum housings as well as sapphire or acrylic windows. Highly flexible interface options include streaming PoE IP utilizing H.264 or H.265, 4K HDMI 1.4 or 6G-SDI over copper, coax or fiber (POF, MMF or SMF) depending upon cable length. VISCA and ONVIF camera control is available, depending upon interface option. Remote pan & tilt and light control is also available over most interfaces.

Specifications

Camera module	1/2.3-type EXmor-R	Optical zoom	12X
Resolution	3840 x 2160, 25 or 29.97 fps	Digital + optical zoom	144X
Power	24 VDC, 7.5W or PoE	Angle of view	47° Diagonal in water
Video aspect ratio	16:9 or 4:3 (selectable)	Object distance	10mm (wide) - 1500mm (tele)
Video output	IP, HDMI, SDI	Iris	Automatic, manual
Minimum illumination	.75 lx (F1.8, 1/30)	Focus	Automatic, manual
Communication	RS-485, VISCA, ONVIF	Window	Sapphire or acrylic optically corrected
S/N ratio	>50dB	Housing material	Aluminum, stainless steel, titanium (other options available)
Electronic Shutter	1/1 - 1/10,000	Housing Dimensions	14" (367mm) x 4" (100mm)
Sync system	Internal	Weight	7.5 lbs (3.4 kg) in air
Lens focal length	12x optical F=3.9mm to 46.8mm	Operating depth	up to: 22965 feet / 7000 meters
	F1.8 to F2.0	Storage temperature	-20° ~ 60° C
		Operating temperature	0° ~ 45° C
		Connector	Glenair SeaKing or customer selectable

Design and Specifications are Subject to Change

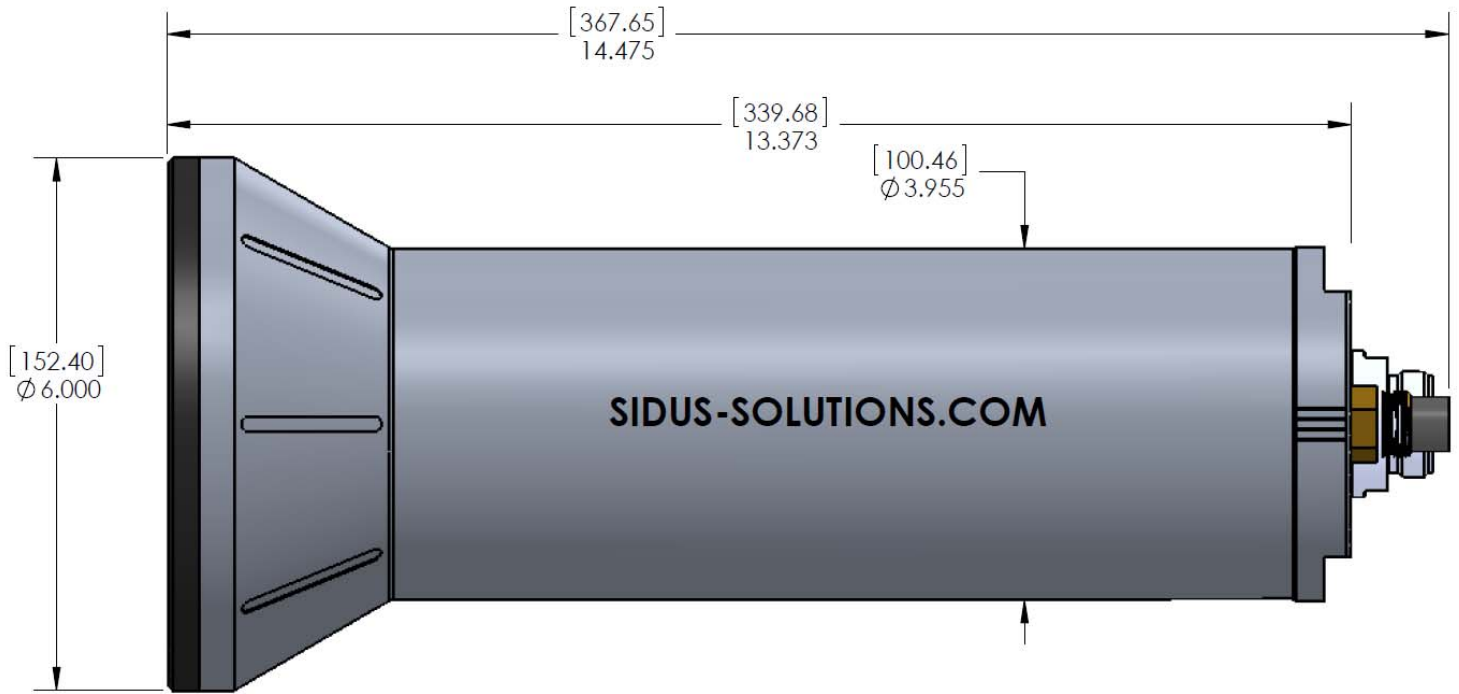
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