SIDUS Solutions

SS464 / SS465 / SS466 — SS46X MKIII

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Manufacturer / system supplier: SIDUS Solutions

Document type: manufacturer specification

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Applies to the named models and revision only. Housing, interface and performance differences must follow the individual model tables. Source discrepancies are recorded on the ROVITEC product pages; request the approved specification before integration.

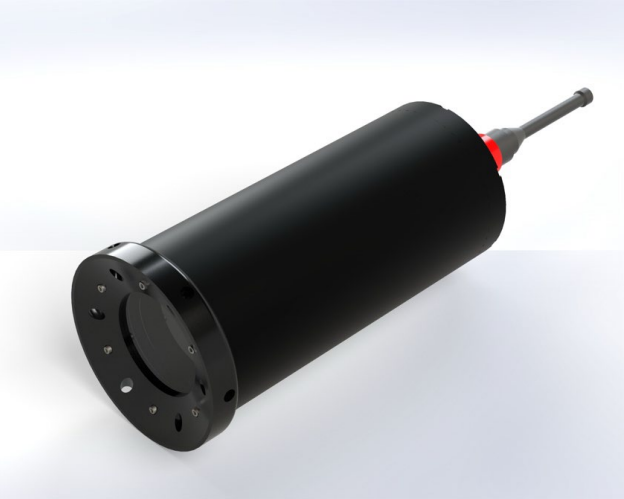
Original manufacturer source

https://www.sidus-solutions.com/wp-content/uploads/2025/12/SS46X_MKIII_HD_IP_Color_Camera_with_Optical_and_Digital_Zoom_Specifications_2025.pdf

Manufacturer pages follow unchanged. Local distribution copy.

SIDUS

SS464 / SS465 / SS466mkIII HD IP Color Camera with Optical and Digital Zoom



The SIDUS SS464, SS465, SS466 MKIII family of HD Ethernet color zoom cameras excel at providing clarity and detail in high motion and low light conditions employing optimized high-definition (HD) technology. The SS46X line of cameras employs the same camera and electronics available in several material configurations.

Item Description	Material	Depth Rating
SS464MKIII	Aluminum	4km
SS465MKIII	Stainless Steel	4km
SS466MKIII	Titanium	6km

- The SS46X camera line captures up to 4k video with 20x optical zoom, integrated auto focus and automatic white balance correction. 1080p60fps output is also available.
- The premium quality SS46X camera line is optimized for video capture and processing. Where seeing sharp lines is critical, the SS464's HD image signal processor utilizes superb noise reduction algorithms and provides the highest quality imaging suitable for clear and detailed inspection and high detail data analytics.
- The SS46X camera line can output three simultaneous and independent high quality IP video streams with negligible motion artifacts. Each stream can be compressed with H.265/HEVC, H.264 or MJPEG video codecs and encoded at different resolutions, frame rates and bitrates. Numerous optional features are available, including local storage capability on micro-SD card or USB storage devices. Each camera is ONVIF S compliant and streams with RTSP with other options available.

ELECTRICAL SPECIFICATIONS:

Operating Voltage	PoE. 802.3af/at class 0 15W maximum	
	24VDC 15W	
Current	0.625 Amps @ 24VDC	
Communication	IP, ONVIF S Compliant, RTSP	
Remote Control	ONVIF S Compliant VISCA Over HTTP Web Browser Configuration	
Connector	Dual Connector (For PTZ Passthrough)	SUBCONN ETHERNET DBH13M, SUBCONN MICRO MCBH8M
	Single Connector	SUBCONN ETHERNET DBH13M
Housing material	SS464MKIII	Aluminum
	SS465MKIII	Stainless Steel
	SS466MKIII	Titanium
Housing Dimensions	SS464MKIII	10.126" x 4.325"
	SS465MKIII	10.126" x 4.325"
	SS466MKIII	9.439" x 3.761"
Storage temperature	-20˚ ~ 60˚ C	
Operating temperature	-5˚ ~ 60˚ C	

VIDEO SPECIFICATIONS:

Resolution	3840 x 2160, 25 or 29.97 fps	
	1080p up to 60fps	
Video Codecs	H.264, H.265, MJPEG	
Video aspect ratio	16:9 or 4:3 (selectable)	

ENVIRONMENTAL SPECIFICATIONS:

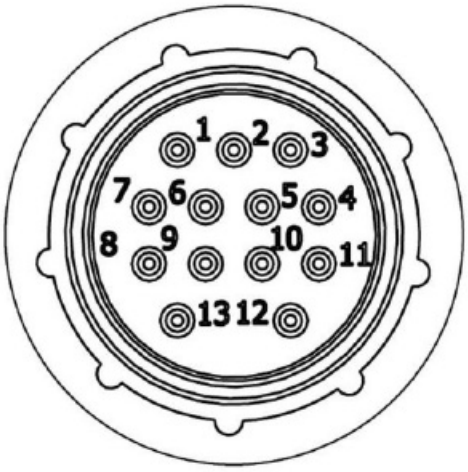
Operating Depth	SS464MKIII	4km
	SS465MKIII	4km
	SS466MKIII	6km
Weight	SS464MKIII	8.2 lbs
	SS465MKIII	19.7 lbs
	SS466MKIII	14.4 lbs
Camera Module	1/2.5-type CMOS Sensor	
Window	Saphire	

CAMERA MODULE SPECIFICATIONS:

Minimum Illumination	1.6 lux (1/30 sec, 50%, ICR off, High Sensitivity mode Off)
	0.4 lux (1/30 sec, 50%, ICR Off, High Sensitivity mode On)
	0.21 lux (50%, ICR off, Slow Shutter 1/4s, High sensitivity off)
	0.06 lux (50%, ICR off, Slow shutter 1/4s, High sensitivity on)
S/N Ratio	50dB
Electronic Shutter	1/1 - 1/10,000
Sync System	Internal
Lens Focal Length	20X optical F=4.4mm to 88mm/F2.0 to F3.8
Optical Zoom	20X
Digital Zoom	12X (max. 240X with optical zoom)
Angle of View	Image Stabilizer Disabled: 57˚ Diagonal in water
	Image Stabilizer Enabled: 43˚ Diagonal in water
Object Distance	10mm (wide) - 1500mm (tele)
Iris	Automatic, manual
Focus	Automatic, manual

DESIGN:

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Connector 13-Pin	Function
1	Ground
2	N/C
3	Power [+24VDC]
4	N/C
5	N/C
6	N/C
7	N/C
8	RX-
9	RX+
10	TX-
11	TX+
12	N/C
13	N/C