

CT3014 Mantis 3 4K and Full HD IP Camera

Technical Specification

Models	CT3014-IP
Housing	Titanium (Standard)*
Window	Sapphire
Depth Rating	6000 m
Housing Dimensions**	100 mm body dia. / 110 mm bezel dia. x 204 mm L
Weight	1.8 kg (water) / 4.15 kg (air)
Connector (Standard)	MCBH8M
Voltage	12-24VDC
Angle of View	75° diagonal / 64° horizontal (4K) 70° diagonal / 61° horizontal (Full HD)
Power Consumption	12 W (4K) 650 mA maximum (Full HD)
Sensor	1/1.8-inch 8 MP CMOS (4K) 1/2.8-inch Sony STARVIS 2 CMOS (Full HD)
Minimum Illumination	0.09 lux
Operating Temperature	-10°C to +50°C
Optical Zoom	20x (4K), 30x (Full HD)
Video Encoding	H.265/HEVC, H.264
Video Resolutions	Up to 2160p at 30 fps (4K) 1080p at 60, 50, 30 and 25 fps (Full HD)
Ethernet	Compatible with 10/100 or 100/1000 Mbps
Ethernet Streaming Protocols	RTP, RTSP, UDP, RTMP, TSRTSP, MPTS
Latency	<120ms

***Alternative housing materials available on request**

****Excluding connector**



Order Code: CT3014-IP-TI (4K or Full HD IP output)

4K and Full HD IP subsea camera with 20x or 30x optical zoom for detailed underwater inspection

The CT3014 Mantis 3 IP is a high-resolution subsea colour camera with integrated focus and optical zoom, designed for detailed visual inspection and long-range underwater viewing.

The camera is available in 4K and Full HD IP configurations. The 4K configuration incorporates 20x optical zoom and a 1/1.8-inch 8 MP CMOS sensor, while the Full HD configuration incorporates 30x optical zoom and a 1/2.8-inch Sony STARVIS 2 CMOS sensor.

Both configurations support H.265/HEVC and H.264 video encoding, together with a selection of Ethernet streaming protocols for integration with ROV, survey and remote observation systems.

A robust titanium housing and sapphire window support reliable operation at depths of up to 6,000 metres. The 12 to 24 VDC input provides flexibility across different vehicle and subsea inspection platforms.

The Mantis 3 is also available with 4K, HD, SD and HD-SDI video output configurations to suit different system integration requirements. See c-tecnics.com for details.

Applications: ROV, Survey, Marine Scientific, Commercial Diving

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