

CT3014 Mantis 3 30x Zoom 4K HD, SD, and HD-SDI Camera

Technical Specification

Model	CT3014-4K-TI (4K), CT3014-HD (HD), CT3014-SD-TI (SD), CT3014-HDSDI-TI (HD-SDI)
Housing	Titanium (Standard)*
Window	Sapphire
Depth Rating	6000 m
Housing Dimensions**	100mm (D, Body)/110mm (D, Bezel) x 204mm (L)
Weight	1.8 kg (water) / 4.15 kg (air)
Connector*** (Standard)	MCBH8M (SD) HF75CX6M (HD-SDI)
Voltage	12-24VDC
Angle of View In Water	75° diagonal / 64° horizontal (4K) 70° diagonal / 61° horizontal (HD, SD and HD-SDI)
Power Consumption	12 W (4K) Maximum 650mA (HD, SD and HD-SDI)
Sensor	1/1.8-inch 8 MP CMOS: 4K 1/2.8-inch Sony STARVIS 2 CMOS: HD, SD and HD-SDI
Minimum Illumination	0.09 lux
Operating Temperature	-10°C to +50°C
Optical Zoom	30x (HD, SD, HD-SDI), 20x (4K)
Video Resolutions	Up to 2160p at 30 fps (4K) Resolution and frame rates TBC (HD) 1 Vp-p composite PAL, 4:3 (SD) 1080p at 60, 50, 30 and 25 fps (HD-SDI)

***Alternative housing materials available on request**

****Excluding connector**

*****HD and 4K Connector to be confirmed when ordering**



Order Code: CT3014-4K-TI (4K Output)
CT3014-HD (HD Output)
CT3014-SD-TI (SD Output)
CT3014-HDSDI-TI (HD-SDI Output)

Subsea colour focus and zoom camera with a choice of 4K, HD, SD and HD-SDI video outputs

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

Available with 4K, HD, SD and HD-SDI output configurations, the camera can be specified to suit different ROV, survey and subsea inspection systems.

The 4K configuration incorporates 20x optical zoom and an 8 MP CMOS sensor. The HD, SD and HD-SDI configurations incorporate 30x optical zoom and a 1/2.8-inch Sony STARVIS 2 CMOS sensor.

A robust titanium housing and sapphire window support reliable operation in demanding subsea environments at depths of up to 6,000 metres.

The Mantis 3 is also available in a full HD IP/Ethernet configuration with 30x optical zoom, H.265/H.264 encoding and support for multiple Ethernet streaming protocols. See C-Tecnicas.com for details.

Applications: ROV, Survey, Marine scientific, Commercial diving

Rev 2 | August 2026 | DS-059