

CT3022 Digital Stills Camera

Technical Specification

Model	CT3022
Housing	Titanium (Standard)*
Window	Sapphire
Depth Rating	4000 m
Housing Dimensions**	L 190 mm × D 97 mm body × D 106 mm bezel
Weight	TBC
Connector (Standard)	TBC
Input Voltage	12–24 VDC
Operating Current	550 mA nominal / 850 mA at startup
Sensor & Resolution	1/3-inch HD CMOS, 1920 × 1080
Optics	20× optical zoom, 4.7–94.0 mm, automatic iris from f/1.6 to closed
Camera Control	RS232 or RS485, selectable
Angle of View	62°
Video Output	HD-SDI/component: 1080p at 25 or 30 fps; SDI/component: PAL/NTSC
Image Capture & Timing	External trigger or user-defined RTC intervals
Storage & File Transfer	Onboard memory, USB download
Operating Temperature	-10°C to +50°C
Operating Life	50,000 hours

***Alternative housing materials available on request**

****Excluding connector**

View CT4015 Flashgun



Order Code: CT3022-TI
CE-60166 (Camera-to-flashgun link cable)

Autonomous subsea digital stills camera for timed and externally triggered image capture

The CT3022 HD Digital Stills Camera is designed for autonomous and operator-controlled underwater image capture during subsea monitoring, research, survey, and inspection operations.

An integrated real-time clock provides a reliable timing source for scheduled image capture. During autonomous deployments, the camera can capture images at user-defined intervals and store them in its onboard memory. Power-optimised electronics make the camera suitable for battery-powered applications and extended subsea deployments.

Image capture can also be initiated using an external trigger when the camera is integrated into an active system. The supplied controller allows the operator to control the camera and capture images, while a live video feed provides a visual reference for positioning and image composition. Recorded files can be downloaded through a USB connection following deployment.

The camera can be paired with the C-Tecnics CT4015 Flashgun using the CE-60166 camera-to-flashgun link cable, providing synchronised illumination and automatic flash output adjustment for underwater stills photography.



WARNING: DO NOT OPERATE IN AIR

Operate only when fully submerged in water. Operation in air can cause overheating and damage.

Applications: ROV, Survey, Marine scientific, Environmental monitoring, Long-term subsea monitoring

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