

CT3036 Cyclops+ Diver Camera

Technical Specification

Model	CT3036
Housing	Acetal
Window	Acrylic
Housing Dimensions**	91 mm (L) × 29.5 mm (W) × 69.5 mm (H)
Connector	MCBH6M/SS (Standard)
Voltage	24 V DC
Operating Depth	100 m

****Excluding connector**



Order Code: CT3036

Integrated camera, light and depth sensor for professional divers

Cyclops+ combines a low-light subsea camera, LED light and depth sensor in one compact, mask-mounted unit.

Designed for professional diving applications, including search and rescue and defence operations, Cyclops+ mounts onto a rail system alongside the diver's full-face mask. Its low-profile housing reduces the need for separate camera and light assemblies, keeping the mounting arrangement compact and streamlined.

The integrated camera provides live underwater video, supported by LED illumination, while the built-in depth sensor supplies depth information to a compatible surface system.

Cyclops+ is used with a CVN C-Vision Nano or CV2 C-Vision system configured for Cyclops+. See page 3 for system options.



Camera. Light. Depth. One compact unit.

The camera and LED light are integrated into the front of the housing, with a built-in depth sensor providing depth information to a compatible topside system.

A compact mask-mounted arrangement keeps the imaging, illumination and depth sensing functions together in one unit.

Applications: Commercial Diving, Search and Rescue, Defence, Marine Science, Police Diving

Rev 1.0 | October 2026 | DS-055

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Camera Technical Specification

Image Sensor	1/3" CMOS
Horizontal Resolution	1200 TV lines
Lens	1.8 mm
Minimum Illumination	0.001 lux @ f/1.2
Signal-to-Noise Ratio	>52dB (AGC OFF)
Video Output	CVBS

LED Light Technical Specification

Colour temperature	5500 K
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Depth Sensor Technical Specification

Absolute accuracy, 0°C to +45°C	±200 mbar (equivalent to ±204 cm in fresh water)
Absolute accuracy, -20°C to +85°C	±400 mbar (equivalent to ±409 cm in fresh water)
Sensor resolution	0.2 mbar (equivalent to 2 mm in fresh water)
Depth display	Metres to two decimal places
Depth monitoring	Via surface system configured for Cyclops+

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Cyclops+ shown mounted to an Interspiro Divator mask



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Surface System Options

Cyclops+ requires a configured surface system. New CVN and CV2 units must be specified for Cyclops+. Existing units, including four-wire configurations, require modification before use. Contact C-Tecnics to confirm compatibility.

C-Vision

Video and Communications System



Complete topside solution

An integrated computer, display and keyboard, with video and communications functions, for customers who require a complete topside system.

View CV2 C-Vision



C-Vision Nano

Video Capture System



Use your own computer

Connect to a suitable customer-supplied laptop or computer for viewing and video capture.

View CVN C-Vision Nano



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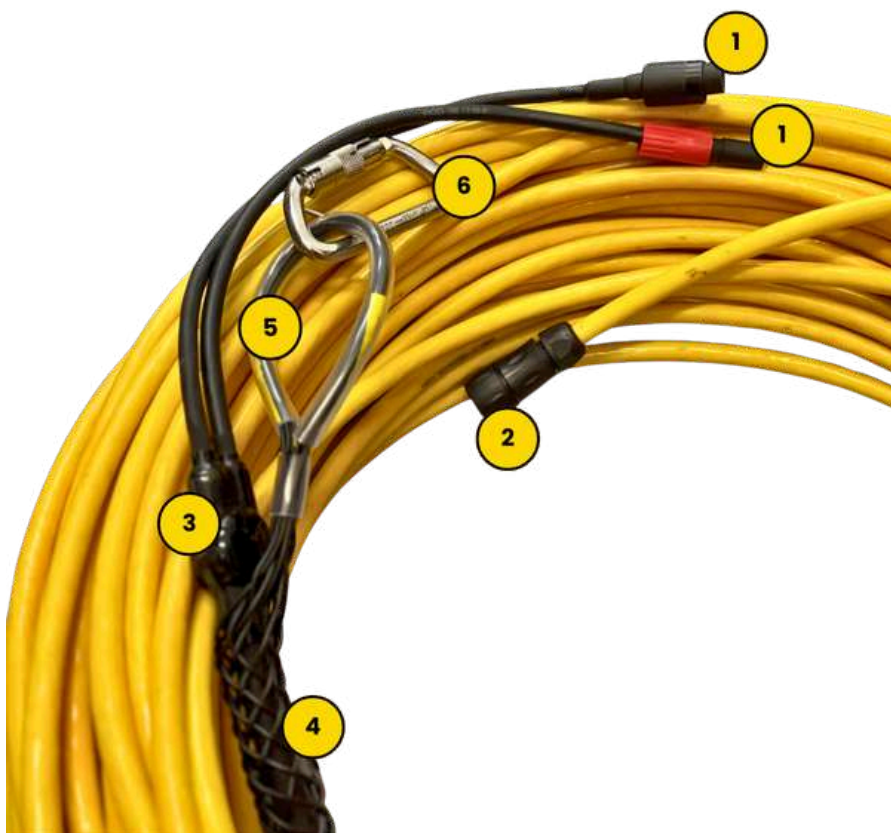
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Cyclops+ Umbilical Cable

The supplied Cyclops+ umbilical combines video signal, lighting power, depth sensor signal and diver communications within one cable.

The diver end has a dual-branch breakout for connection to Cyclops+ and the C-Tecnics AGA/Divator communications assembly.



Connections

- 1 Diver-end connections**
To Cyclops+ and Divator communications
- 2 Topside connector**
To a C-Vision or Nano system configured for Cyclops+
- 3 Dual-branch breakout**
Splits the umbilical into the two diver-end leads
- 4 Chinese finger**
Cable strain relief
- 5 Attachment loop**
Connects strain relief to the carabiner
- 6 Carabiner**
Attachment to the diver's harness

Optional Strain Relief and Harness Attachment

A Chinese finger strain relief with attachment loop and carabiner can also be supplied for secure tethering to the diver's harness. The optional assembly is shown in the photograph.

Connection to Your Surface System

The topside connector connects to a C-Vision or C-Vision Nano system configured for Cyclops+. Existing standard units require modification before use.

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Rev 1.0 | October 2026 | DS-055