

CT3035 Hubro Virtual Pan and Tilt Camera

Technical Specification

Model	CT3035
Housing	Titanium (Standard)*
Window	Optical grade cast acrylic
Depth Rating	6000 m
Housing Dimensions**	110 mm (L) × 57 mm (Body Diameter) × 90 mm (Head Diameter)
Weight	1350 g (air) / 828 g (water)
Connector	MCBH6M (Standard)
Voltage	24 VDC ±10%
Operating Current	LED Off: 300 mA Max LED Full: 1400 mA Max
Video Output	IP / Ethernet (RTSP)
Resolution	RTSP Stream 1: 1920 × 1080 Full HD RTSP Stream 2: 1280 × 720 HD (Virtual Pan, Tilt & Zoom) RTSP Stream 3: 1280 × 720 HD
Angle of View	170° (In Water)
Lens	Fisheye
Digital Zoom	x30
Focus	Fixed (100 mm to Infinity)
Minimum Illumination	0.005 lux / f1.2
Operating Temperature	-20°C to +50°C
Operating Life	50,000 hours

***Alternative housing materials available on request**

****Excluding connector**



Order Code: CT3035-TI

High-definition multi-stream IP subsea camera with virtual pan, tilt and zoom

The Hubro CT3035 is a compact high-definition IP subsea camera capable of delivering three simultaneous RTSP video streams from a single unit. Combining a 170° ultra-wide fisheye lens, software-controlled virtual pan, tilt and zoom, integrated dimmable LED lighting and configurable image controls, Hubro enables multiple operational views without requiring several dedicated cameras.

Three RTSP streams are available to suit different operational requirements. Stream 1 provides a 1920 × 1080 Full HD overview image. Stream 2 provides a 1280 × 720 HD stream with software-controlled virtual pan, tilt and up to x30 digital zoom for detailed inspection. Stream 3 provides a further 1280 × 720 HD stream that can be configured for alternative viewing requirements, such as monochrome imaging or different camera settings.

Designed for integration onto ROVs, vessels and other subsea systems, the compact titanium housing measures just 100 mm in length, excluding the connector, and incorporates the camera and dimmable LED lighting within one unit. This helps reduce system complexity, minimise external cabling and reduce the number of separate imaging components required.



WARNING: DO NOT OPERATE IN AIR

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

Applications: ROV Inspection, Survey, Marine Science, Commercial Diving, Defence, Remote Observation

Rev 3.0 | October 2026 | DS-056

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C-Tecnicas Hubro Live Viewer Software

The C-Tecnicas Live Viewer software provides control of Hubro's three RTSP video streams, allowing operators to select the required stream, adjust camera settings and control the integrated LED lighting from a single interface.

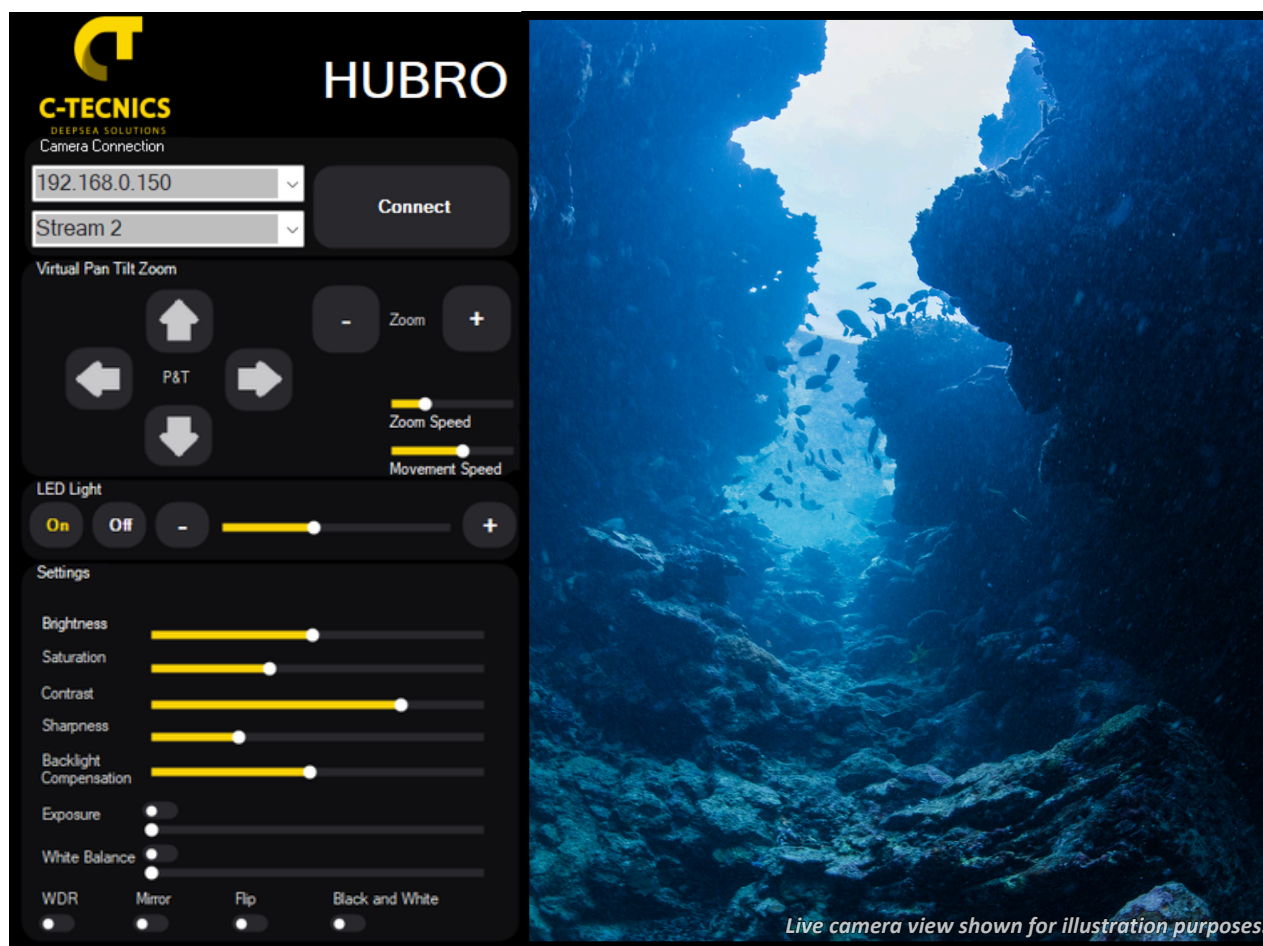
A dedicated 1280 × 720 stream provides software-controlled virtual pan, tilt and up to ×30 digital zoom. The Full HD overview stream and additional HD stream can be configured for different operational requirements, such as wide-area viewing, monochrome observation or alternative exposure and image settings.

Hubro's RTSP streams can also be accessed using compatible third-party software, providing flexibility for integration into existing viewing, recording and control systems.

Imaging and Control Features

- Three RTSP video streams
- 1920 × 1080 Full HD overview stream
- Dedicated 1280 × 720 virtual pan, tilt and zoom stream
- Additional configurable 1280 × 720 HD stream
- Up to ×30 digital zoom
- Adjustable brightness, contrast, saturation and sharpness
- Exposure, white balance and WDR controls
- Colour and monochrome viewing modes
- Integrated dimmable LED control
- Compatible with third-party RTSP software

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