

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**	100 mm (L) × 57 mm (Body Diameter) × 77 mm (Head Diameter)
Weight	250 g (water) / 450 g (air)
Connector	MCBH6M (Standard)
Voltage	24 VDC ±10%
Operating Current	LED Off: 300 mA Max LED Full: 1100 mA Max
Video Output	IP / Ethernet (RTSP)
Resolution	1920 × 1080 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**

***** 4K version currently in development**



Order Code: CT3035-TI

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

The Hubro CT3035 is a compact high-definition IP subsea camera designed to provide multiple imaging functions within a single system. Combining a 170° ultra wide-angle fisheye lens, software-controlled virtual pan, tilt and zoom, integrated dimmable LED lighting, RTSP Ethernet video streaming and colour or monochrome imaging modes, Hubro reduces the need for multiple dedicated cameras while providing flexible viewing for a wide range of subsea inspection and observation tasks.

Designed for integration onto ROVs and other subsea platforms, the compact Grade 5 titanium housing measures just 100 mm in length (excluding connector) and incorporates both the camera and LED lighting within a single unit, reducing system complexity, minimising external cabling and simplifying installation.

With multicast RTSP streaming, configurable camera controls including brightness, contrast, exposure, white balance and WDR, together with software-controlled virtual pan, tilt and zoom, Hubro provides operators with maximum situational awareness while allowing areas of interest to be viewed without mechanical pan and tilt systems.

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

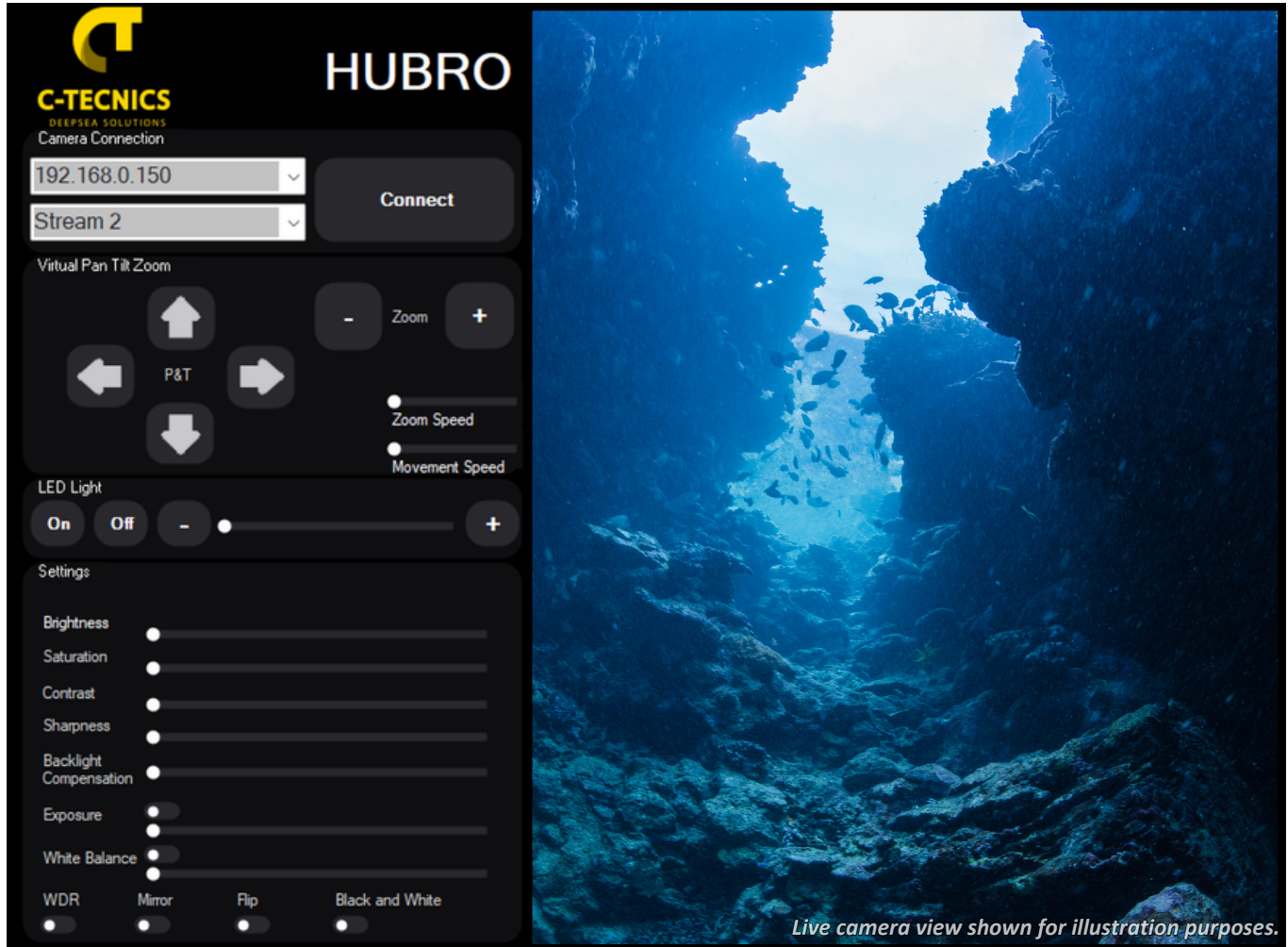
Rev 1.0 | July 2026 | DS-056

CT3035 Hubro Virtual Pan and Tilt Camera



C-Tecnicos Hubro Live Viewer Software

The C-Tecnicos Live Viewer software provides intuitive control of the Hubro camera, allowing operators to view the live video stream, adjust camera settings and navigate the image using software-controlled virtual pan, tilt and zoom.



Order Code: CT3035-TI

Software-Controlled Camera Operation

Live Viewer transforms the Hubro from a fixed wide-angle camera into a flexible inspection system. Operators can navigate around the full 170° field of view, zoom into areas of interest, adjust image settings and control the integrated LED lighting, all from a single intuitive interface.

Multiple RTSP streams are available to suit different operational requirements, including a dedicated stream supporting virtual pan, tilt and zoom for detailed inspection tasks.

Key Features

- Software-controlled virtual pan, tilt and ×30 digital zoom
- Live video viewing with simple IP/Ethernet connection
- Integrated LED brightness control
- Colour and monochrome imaging modes
- Multiple RTSP video streams
- User-adjustable image settings
- Adjustable exposure and white balance
- Wide Dynamic Range (WDR)
- Image flip and mirror functions
- Designed for intuitive operation

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

Rev 1.0 | July 2026 | DS-056