

CT3015-He Hyperbaric Colour Camera



Order Code: CT3015-He

High Resolution Colour Camera with Helium Relief Valve

The CT3015-He Hyperbaric Camera is a high-resolution colour camera designed for use in air and helium pressurised environments.

The camera features internal isolation between the video screen and input power ground, making it suitable for systems with line insulation monitoring. This prevents unwanted tripping of the vessel's electrical system and allows reliable operation within chambers and diving bells.

The CT3015-He enables clear monitoring of activities within confined hyperbaric environments. It is pressure tested to a maximum operating depth of 100 bar / 1000 msw.

For safety, an integrated helium relief valve allows controlled venting of gases from the housing back into the chamber. This prevents residual pressure build-up when returning to atmospheric pressure or operating below maximum pressurisation depth.

Technical Specification

Model	CT3015-He
Sensor	1/3" Ex-View HAD CCD
Effective Pixels	752 × 582
Lens	3.6 mm
Angle of View	83°
Horizontal Resolution	1000 TVL
Minimum Illumination	0.001 lux @ f/1.2
Signal to Noise Ratio	52 dB
Video Output	1 Vp-p composite, 75 ohm, PAL
Voltage	12–24 VDC
Operating Current	1000 mA
Internal Power Supply	Isolated DC-DC*
Dimensions	L 181 mm × D 30 mm
Housing	Aluminium
Window	Sapphire
Weight	244 g
Operating Temperature	-10 to +50°C
Relief Valve Range	0.3 to 0.6 bar
Operating Depth	1000 msw / 100 bar

*Video screen and input power ground isolation

Applications: Hyperbaric chambers, Diving bells, Saturation diving, Decompression monitoring

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