

Camera HDi



High definition camera with internal recording

Camera HDi is Ocean Robotics main ROV zoom camera with internal HD recording, for all inspection purposes that don't require real-time HD monitoring but high quality digital video data handling.

The HDi camera delivers PAL/NTSC video in real-time and allows the full-HD content to be recorded locally in the camera. This means that the camera can deliver full 1080p video to the operator without the need for fiber-optics or high capacity data transfers through the tether. An integrated still picture function is also available, everything controlled by the operator in real-time and the content easily downloaded to external devices when resurfaced. The camera is also equipped with a sophisticated mechanical picture stabilizing system, which can be disabled and locked by the user.

User settable addressing enables up to 4 cameras in the ORI range to be deployed on the same serial link system (CAN/RS485) without any software changes.

Technical Specification

Picture sensor: 1/3" CMOS

Light sensitivity: 1lux - 12lux at full HD 30p

Zoom: 10x optical, 40x digital

Focus: Auto/Manual

Focusing distance: 10mm to infinity

Camera control: CAN/RS232/485/Analog

Video: Composite remote, up to 1080p local

Power: 12-36VDC, 10W

Dimensions: Ø105mm, L 190mm

Weight: 1400g in air, 0g in water

Depth rating: 500m (3000m option available)