



OE14-370/371

WIDE ANGLE COLOUR ZOOM CAMERA

36:1 Zoom Lens

83° Wide AOV

4500msw Depth Rating

The OE14-370 (PAL) and OE14-371 (NTSC) standard definition, wide angle colour zoom cameras have been designed primarily for use in subsea environments and are ideally suited to inspection & survey applications, general observation, construction and drill support tasks.

The OE14-370/371 standard definition, wide angle colour zoom camera has a unique optical arrangement providing an extremely wide (83° diagonal) angle of view. The video image is focussed from as close as the front port to infinity (equipped with a 36:1 optical zoom lens), making the OE14-370/371 an excellent tool for both close up and stand-off inspections.

Packaged within a robust 4500msw depth rated titanium alloy housing the OE14-370/371 provides a standard definition composite video signal output via the Burton 5506-1508 connector or customer specified external connector.

Camera functions can be operated via single wire (tri-state), two wire (bi-polar) voltage control systems or using RS485 half-duplex serial control. RS232 serial control is also supported as a factory configured option.

The OE14-370 / 371 is supplied with a hand held infrared remote control and GUI (Graphical User Interface) both are included free of charge and have been intuitively designed for ease of use.

Contact us for additional information or to get a quotation. Send an e-mail to camera.sales.uk@imenco.com or find personal contact info on our website.

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OE14-370/371

TECHNICAL SPECIFICATIONS

Performance	
Horizontal Resolution	550 TVL/PH
Light Sensitivity	100mV video at 19×10^{-3} lux faceplate
Minimum Scene Illumination	0.2 lux
Signal to Noise Ratio	>48dB (weighted)
Electrical	
Scan Standards	625 lines 50 Hz PAL (OE14-370) 525 lines 60 HZ NTSC (OE14-371)
Sensor Elements	752 (H) x 582 (V) (OE14-370) 768 (H) x 494 (V) (OE14-371)
Video Output	1V pk-pk composite video into 75Ω
Power Input	16 – 24 VDC, 650mA (max)
Control	Single wire (tri-state), two wire (bi-polar), RS232, RS485
Optical	
Lens	3.4mm to 122mm, 36:1 optical zoom, F1.6 to F4.5
AOV in water	Horizontal: 66° (Wide) Vertical: 49° (Wide) Diagonal: 83° (Wide)
Iris Control	Automatic (manual control available through GUI)
Focus Range	Front port to infinity (at wide angle) 850mm to infinity (at tele angle)
Mechanical	
Dimensions	Diameter: 88mm Length: 215mm (excl. connector)
Weight	In air: 2.6 Kg In water: 1.4 Kg
Housing Material	Titanium alloy 6AL/4V ASTM B3 48
Connector	Burton 5506-1508 or customer specified
Environmental	
Operating Depth	4500 msw
Temperature	Operating: -5 to 40°C Storage: -20 to 60°C
Shock	30G peak acceleration, 25ms half sine duration, on all three axes
Vibration	10G, from 20 to 150HZ on all three axes
Electromagnetic Compatibility	BS EN 61000-6-3: 2007 Emission and BS EN 61000-6-1: 2007 Immunity

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