

# OE14-370/371

## Applications

- IMR Tasks
- Drill Support
- Inspection and Survey
- General Observation Tasks



## Wide Angle Colour Zoom Camera

- 36:1 Zoom Lens
- 83° Wide AOV
- 4500msw or 6000msw Depth Rating

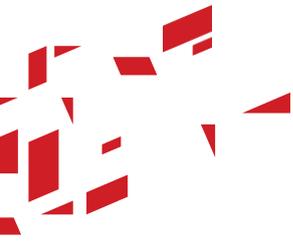
The OE14-370 (PAL) and OE14-371 (NTSC) standard definition, wide angle colour zoom cameras have been designed primarily for use in subsea environments and are ideally suited to inspection & survey applications, general observation, construction, and drill support tasks.

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 focused 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 (6000msw also available) 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 handheld infra-red remote control and GUI (Graphical User Interface) both are included free of charge and have been intuitively designed for ease of use.

For further information, email  
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## Technical Specifications

Performance	
Horizontal Resolution	550 TVL/PH
Light Sensitivity	100mV video at $19 \times 10^{-3}$ 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	4500 msw: Diameter main Body:88mm, Length:215mm (excl.conn) 6000 msw: Diameter main Body:92.2mm,Length:220.7mm(excl conn)
Weight	4500msw In air: 2.6 Kg, In water: 1.4 Kg 6000msw In air: 3.58 Kg, In water: 2.0 Kg
Housing Material	Titanium alloy 6AL/4V ASTM B3 48
Connector	Burton 5506-1508 or customer specified
Environmental	
Operating Depth	4500 msw ( 6000 msw also available)
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