



Rail Overhead Line Equipment Inspection System

WIRELESS HIGH VOLTAGE OVERHEAD LINE EQUIPMENT (OLE)

INSPECTION CAMERA SYSTEM – 0480-6001

Operates seamlessly with live high voltage wires (29kV AC+)

High resolution 8MP stills & high quality video

Automated wire measurement software with 0.1mm accuracy

Rugged IP68 rated camera design

Up to 5hrs camera charge & 100m wireless range

Rugged outdoor laptop PC base station

The Imenco 0480-6001 wireless OLE pole-mounted inspection camera system features a high-resolution 8 Mega pixel stills/video colour sensor with close-up lens for accurate measurement and analysis, with a long 100m range wireless RF transmission link to the base station. The camera head features a unique remotely-controllable motorised tilt, digital zoom and scaling/steady arms to ensure effective imaging regardless of the conditions. Image stabilisation and auto-focus are included as standard, to provide the maximum detail with minimal adjustment, increasing survey efficiency.

The 0480-6001 camera head has been designed and qualified to operate safely and seamlessly with live high voltage wires (29kV AC as standard, or higher if required) and connects to a client supplied fibre glass "Hot stick" pole (10m max) with optional angled knuckle adapter. Each camera is supplied with a removable robust adjustable-output LED lighting unit.

The rugged base station is a PC-based control and display unit, with user friendly camera control interface and an accurate measurement software package that is capable of recording and displaying live video and stills from the camera and the GPS coordinates of the inspection site.



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

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MARINE **CCTV** RANGE
BY IMENCO

0480-6001

TECHNICAL SPECIFICATIONS

Performance & Electrical	
Camera Resolution - Stills	8MP (3264 x 2448)
Camera Resolution - Video	VGA 640 x 480 at 15 fps
Power Supply	24V dc/4A Rechargeable battery
Battery Operating Life	5 hours (typical)
Wireless Transmission Frequency	802.11g - 2.4 GHz
Wireless Operating Range	Up to 100m
Electro-Magnetic Compatibility	EN61000-6-2-2004 Emission and EN61000-6-4-2007 Immunity
Optical	
Angle of View	64° diagonal
Focus	Auto or manual
Image Enhancement	On board DSP
Zoom Ratio	425 x digital
Image Stabilisation	Yes
Port	Optical glass
Mechanical	
Size (Excluding end cup)	120mm (H) x 160mm (W) x 142mm (D)
Weight	1.93 kg
Detachable Steady Arms	150mm (L); other options available
Tilt (Electrically driven)	+30° from horizontal
Housing	Hardened plastic (choice of colours)
Environmental	
Temperature (Operating)	-10°C to +40°C
Temperature (Storage)	-20°C to +50°C
Camera Rating	IP68 submersible to 2m
High Voltage Resistance	29kV (15 minutes wet or dry) - higher options available
Removable LED Torch (Rechargeable)	
Light Output	Up to 40 lumens
Run time	6 to 48hrs
Measurement Software	
Measurement Accuracy	Greater than 0.1mm (Sub pixel measurement capability)
Report Formats	RTF, PDF, spreadsheet, etc

0480-6001_Datasheet_RevA