

# Rail Overhead Line Equipment Inspection System



## WIRELESS HIGH VOLTAGE OVERHEAD LINE EQUIPMENT (OLE) INSPECTION SYSTEM 0561-6000

- Operates seamlessly with live high voltage wires (29kV AC+)
- Rugged IP68 rated camera design
- Automated wire measurement software with 0.1mm accuracy
- High resolution 64MP stills & high quality video
- Up to 9hrs camera charge & 30m wireless range
- Rugged outdoor tablet PC base station

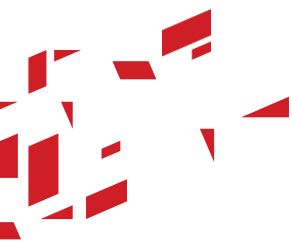
The Imenco 0561-6000 wireless OLE pole-mounted inspection camera system features a high-resolution 64 Mega pixel stills/video colour sensor with close-up lens for accurate measurement and analysis, with a long 30m range wireless RF transmission link to the base station. The camera head features auto and manual focus, digital zoom and scaling/steady arms to ensure effective imaging regardless of the conditions. The ultra-high-resolution camera provides the maximum detail with minimal adjustment, increasing survey efficiency.

This Mk II version sees the previously externally mounted lighting unit replaced with an integrated LED illumination system. When in use the internal LEDs provide ample light for view finding and during stills capture it provides a burst of bright light to enhance the quality of the still image.

The 0561-6000 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.

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

For further information, email  
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## Applications

- Live High Voltage Wire Inspection
- Measurement & Analysis

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## Technical Specifications

Performance & Electrical	
Camera Resolution - Stills	64MP (9152 x 9644)
Camera Resolution - Video	960 x 720 at 30 fps
Power Supply	Rechargeable 12Ah Li ion battery 9V dc/2.5A Charger
Battery Operating Life	8 hours (typical)
Wireless Transmission Frequency	802.11g - 2.4 GHz
Wireless Operating Range	Up to 30m
*Electro-Magnetic Compatibility	EN61000-6-2-2004 Emission and EN61000-6-4-2007 Immunity
Optical	
Angle of View	84° diagonal
Focus	Auto or manual
Zoom Ratio	10 x digital
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)
Illumination	
Source	Built in LED
Light on target @14cm	150 lux during video, 300 lux during photo
Measurement Software	
Measurement resolution	0.1mm

Specification subject to change without any further notice

