

0480-6001



KONGSBERG



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WIRELESS HIGH VOLTAGE OVERHEAD LINE EQUIPMENT (OLE) INSPECTION CAMERA SYSTEM

- Operates seamlessly with live high voltage wires (29kvAC+)
- High resolution 8MP stills and high quality video
- Rugged IP68 rated camera design
- Automated wire measurement software with 0.1mm accuracy
- Up to 5hrs camera charge and 100m wireless range

The wireless 0480-6001 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.



Applications

- Live High Voltage Wire Inspection, Measurement and Analysis

TECHNICAL SPECIFICATIONS

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	1.925Kg
Detachable Steady Arms	150mm (L). Other options available
Tilt (Electrically driven)	+30° from horizontal
Housing	Hardened plastic (Choice of colours)

Environmental

Temperature Range	Operating -10°C to +40°C 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 48 Hrs

Software

Measurement Accuracy	Greater than 0.1mm (Sub pixel measurement capability)
Report Formats	RTF, PDF, Spreadsheet etc



Specifications subject to change without any further notice

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