

High Voltage Overhead Line Equipment (OLE) Inspection Camera System

0480-6001



- Operates seamlessly with live high voltage wires (29KvAC+)
- High resolution 8 mp stills and high quality video
- Automated wire measurement software with 0.1mm accuracy
- Rugged 1P68 rated (Water proof to 2m) camera design
- Up to 5 hrs camera charge and 100m wireless range

Overhead Line Equipment (OLE) defects can result in service disruption and loss of rail income amounting to millions of Pounds/Euros, therefore regular inspection to identify, monitor and fix defects is required. Traditionally detailed inspection often necessitates the possession of the track, isolation of the OLE and expensive road/rail access equipment in addition to a disruption of service and associated costs. By revolutionising the inspection process using Kongsberg's live voltage 0480-6001 wireless overhead line inspection camera system, Rail companies can significantly reduce maintenance costs and avoid potential circuit failure and train service disruption.

The wireless pole-mounted 0480-6001 camera system features a high-resolution 8 mega pixel stills/video colour sensor with close-up lens for extremely 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 to the user with minimal adjustment, thus increasing survey efficiency.

Camera Head



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.

Base Station

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.

The base station is capable of analysing the video feed from the camera in order to measure down to greater than 0.1mm accuracy, and uses the images captured to automatically document the inspection run in a full-colour report document with screenshots and analytical data, including GPS coordinates and wire measurements. Simple operation (via touch-screen or trackpad/keyboard) allows the user to quickly and efficiently record single images and video, control the tilt movement, perform measurements and generate comprehensive reports with the minimum of training and configuration time. The latest battery technology allows the laptop and wireless receiver to operate for approximately nine hours between charges, with minimal weight. The base station is installed in an ergonomic chest harness.



Simple to use 0480-6001 camera digital stills and video capture software

*Images Courtesy Of Network Rail who have thirty 0480-6001 camera systems in use in the UK



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