

## AirCAM

*Airborne daylight UV corona detection tool*



The AirCAM is a development of the daylight CoroCAM in a reinforced casing allowing mounting into a gimbal or other holder for airborne applications. It has remote control, enabling both its operation and the data recording, from the aircraft cockpit.

### *Features of AirCAM*

- Double camera use
  - gimbal fitting for helicopter line inspections,
  - for hand-held use or vehicle mounting conducting line inspections from the ground using a LCD fitted on top of the camera to view the images.
- Operates in all daylight conditions, including full sunlight.
- Event counting mode, i.e. counting the number of photos released by the corona source, x events/second. This is done over the whole image area.
- A video output allows recording of results on-site and produces a video image of the corona combined with the background.
- Automatic iris control for changing light conditions, i.e. the camera sets itself according to cloud conditions (minimum 4 Lux).
- Can be switched between the "as seen" daylight image and the corona image alone, to assist in detecting smaller and distant discharges.
- Quick to set up, with motorised focus control.

***Making the Invisible Visible***



### System Specifications

#### Optics

Focus range:

4 m to infinity

#### Detector sensitivity

Performance:

Indefinite lifetime under normal operating conditions.

#### Video camera output

Camera resolution:

480 (H) TV lines for daylight/  
colour channel 560 (H) TV lines  
for corona/monochrome  
channel.

#### Physical dimensions

Length:

310 mm

Width:

150 mm

Height:

165 mm

Weight:

Approximately 5 kg (excluding mounting accessories).

#### Viewfinder for field use

Type:

Fitting for LCD will be supplied. The LCD is not supplied as standard but can be included, as an optional added-cost extra.

#### Battery-belt and charger for field use

Power supply:

Re-chargeable Ni-Mh cells

Battery operation time:

Approximately 4 hours

Charger power supply:

100 V to 240 VAC

#### Temperature range

Operating temperature:

-10 °C to 55 °C

Storage temperature:

-5 °C to 50 °C

#### Remote control console interface

An interface cable with Military Standard connectors for the helicopter control console will be provided.

#### Control functions

The standard camera menu functions.

#### Gimbal protective glass

A quartz window for the gimbal will be required.

Specifications subject to change without notice.

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