

Founded in 1993, OFIL Systems stands at the forefront of tackling the growing challenges in electricity, the rising power demand, aging infrastructure, and overloading of grids.

Our pioneering innovation, solar-blind UV technology, introduced a new era of predictive maintenance, enabling real-time detection of Corona partial discharges in full daylight, a significant yet unseen threat to power systems.

Over three decades, our mission to ensure uninterrupted power supply has evolved into a comprehensive approach. OFIL Systems now combines advanced electro-optical sensors with state-of-the-art AI diagnostic tools, meticulously designed to increase the reliability and longevity of your electrical assets.

Our game-changing solutions offer an unrivaled vantage point in managing the health of HV, MV and LV electrical assets and components, transforming the threat of unexpected outages and failures into an opportunity for proactive maintenance.

Our DayCor® range of products provides solutions for:

- Predictive maintenance operations of electrical utilities
- Predictive maintenance operations of electrically-propelled trains
- Manufacturers of components for electrical grids
- High-voltage laboratories and research institutes

Join our professional education programs
on corona detection methodology



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EMPOWERING ELECTRICAL ASSET HEALTH

Aerial | UAV | Handheld | Core Cameras

DAYCOR®
INSIDE



HANDHELD



DayCor® Luminar

- Best-in-class sensitivity to UV
- Powerful zoom
- Recording & playback
- Built-In GPS
- Wi-Fi hot spot
- LED & backlit keyboard
- Signals amplification
- Noise reduction control
- Temp. & humidity sensor



AIRBORNE

ROM Ultra/ROM HD/ROMLite

- Multispectral Aerial Inspection Systems
- For various helicopter platforms (incl. UAV)
- IR/UV/Visual EO&Still/LRF Sensor Payload
- Fibre optic network architecture
- 4 axes gyro stabilization
- Graphical Control Unit
- Deep sensor integration/ease of use
- Automated functions
- Mission software
- HD/4K Video & Stills
- Radiometric readings
- Auto tracking
- Geo-referenced data
- Easy installation
- ITAR free
- Carbon fiber chassis
- Full support contracts



UAV

DayCor® micROM

- HD video & stills camera
- Light weight
- Compact
- Wide FOV
- Low power consumption
- Communication protocols
- Optical & digital zoom
- Electromagnetic shielding
- Seamless integration
- Gimbal options

CORE CAMERAS: UV EYE | UV EYELite

Applicable for driven inspections, Railway testing wagons and stationary monitoring



Applicable for:

- High sensitivity to UV
- 720p videos
- IP65 environmental protection
- Easy and efficient integration via API

Empowering Electrical Assets Health

