

DayCor[®]
CATALOG >>



CORONA DETECTION SYSTEMS



SEEING CORONA IS OFIL'S SPECIALTY

Ofil is the world leading manufacturer of bi-spectral ultraviolet (UV) - Visible imaging and testing systems known as DayCor® systems. Ofil's range of products provide accurate and reliable inspection results for indoors and outdoors applications. Ofil's products are being used worldwide by electrical utilities, heavy industries, manufacturers, mines, refineries, chemicals & petro-chemical industries, health institutes, academy researchers, high voltage laboratories, work-shops, inspection services providers, electrical trains and more.

Ofil is committed to provide:

- » The best corona cameras
- » On time and anywhere customers' support
- » Professional training

WHAT IS CORONA

Corona is referred to the local glow on a conductor that is subjected to sufficiently high voltage. A local electrical field that exceeds a threshold of about 20-30 kV/cm², under normal atmospheric conditions, ionizes air molecules releasing electrons and anions. Electrons that gain energy from the electric field tend to revert to their original stable state while releasing that energy in the form of light. The glowing is found locally around the source because of the insulation barrier and due to the fact that the electrical field decays rapidly with distance.

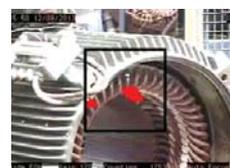
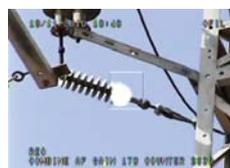
Corona triggers many modes of degradation, all at once, and therefore should be monitored. Corona creates: audible noise, acids both organic (oxalic) and inorganic (nitric) in the presence of moisture, ozone, radio and TV reception interferences, drills holes in material, leads to energy loss and emits UV light. Corona is a destructive factor of the electrical grid and a highly reactive degrading agent leading to erosion and decomposition of insulators and affecting their mechanical and electrical properties.

DAYCOR® TECHNOLOGY

Ofil's systems implement bi-spectral imaging that consists of merging accurately UV & visible channels. To achieve pinpointed display of UV radiation and the radiating objects Ofil deploys its proprietary development - DayCor Technology - that includes :

- » UV filters – have the highest UV transmission rate
- » UV optics – with high efficiency + adaptive FOV
- » Precise mechanics – with corresponding responsive engines
- » Electronics and algorithms – signals processing and functions
- » Solar blind | Visible blind systems – have the highest absorption index

Ofil designs and manufactures all the critical elements that constitute this technology including: detectors, electronics, optics and mechanics.





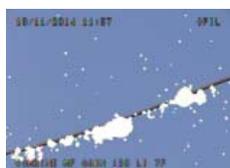
WHY USE OFIL'S CORONA CAMERAS

Using Ofil's cameras to detect corona has outstanding advantages:

- » Working during daytime and in illuminated areas provides safety and reduces labor cost
- » Using nondestructive, non-intrusive testing equipment is safe, provides fast results, facilitates testing of ongoing operating electrical installations
- » Using the most sensitive inspection technology ensures reliable information
- » Using imagers with high signals to noise ratio ensures distinguishing between false and true alarm signals
- » Remote sensing of even the faintest corona ensures high detectivity
- » Visual sensors allow scanning of entire components and finding multiple corona discharge locations in one frame
- » Recording video clips and still images of corona and faulty elements with corona severity indications, narration, GPS, temperature, humidity and date & time readings corresponds to documentation requirements
- » Detecting faults in their early stages enables fixing at lower cost rates

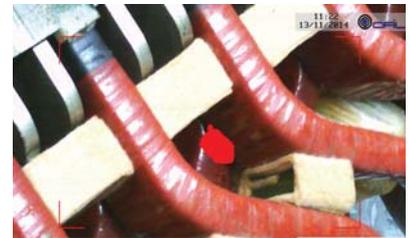
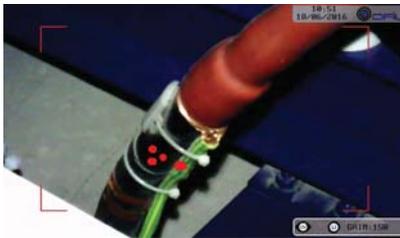
APPLICATIONS

- » Electrical Utilities – from generation up to consumers
- » Heavy Industries - owning substations & high/med voltage installations
- » Manufacturing Industries – compliance assessment
- » HV Laboratories – R&D and for testing failure processes
- » Service Contractors
- » Workshops – conformance testing
- » Data Centers – ensure uninterrupted electricity supply
- » Mines & Refineries – ensure uninterrupted electricity supply and sparks free conditions
- » High Speed Electrical Trains – inspect OH catenary systems and control centers



DayCor® SCALAR

A compact handheld bi-spectral UV & Visible camera for indoors corona detection. Scalar is used for gauging the condition of high & medium voltage electrical apparatuses. Scalar assists revealing imperfections correlated with partial discharges. DayCor® Scalar presents in real time the discharge radiation and its radiating source. Scalar performs well in artificially lit as well as in dark environments having a built-in powerful LED flashlight and backlit keys



Scalar is used by utility maintenance teams to monitor installations in dark cabinets and rooms. Manufacturers & workshops use SCALAR for Factory Acceptance and QA

tests. Scalar is used in mines to detect discharges and sparks and thereby contributes to the safety of working teams.



VIDEO & STILLS

MPEG4 video clips and BMP still pictures. Stored on a removable flash card.



PLAYBACK

Preview the stored media either on the camera's LCD or on an external monitor via mini USB drive.



FIELD OF VIEW

Wide field of view 15° x 11° enables inspection wide sectors from short distance, typical to indoor conditions.



LCD

A wide 4.3" deluxe transmissive LCD, 800X480 px delivers sharp and vivid imaging of the inspected scenes.



LED FLASHLIGHT

Integrated LED flashlight with 2 levels of brightness, improves quality of recorded media. Backlit buttons facilitate maneuvering in poor lit conditions.



FOCUS & ZOOM

Semi auto and manual focus ranging 0.5m | 20" to infinity. 3 steps UV digital zoom.

ACCESSORIES: see pages 12-13



COMPACT & LIGHT WEIGHT

A sleek design, palm grip 0.95Kg | 2.09lb weight. 28L x 12W x 9H cm | 11 x 4.7 x 3.5"



INTUITIVE OPERATION

On screen menu and swift buttons. Straight forward operation. Preset stored settings.



LONG BATTERY RUN-TIME

Power sources: a rechargeable Li-Ion battery, run time of over 3 hours or 9V DC. Internal charging.



COMMUNICATION PORTS

RS232, USB



HIGH SENSITIVITY TO UV

UVb spectral range: 310-320nm. Minimum UV discharge detected: 15pC @1m, as required for short distances inspections.



In lab
Corona on cable

DayCor® UVollé vx/sx

A series of slender light weight handheld bi-spectral UV-Visible corona cameras, fully solar blind, fit in/outdoor working environments. UVollé cameras feature high sensitivity to UV radiation, an outstanding clear large LCD, powerful zoom for both visible and UV channels and corona events counter. UVollé-VX model records video clips and still images. UVollé-SX model records still images. Due to the built-in powerful LED flashlight UVollé cameras perform well in darker environments.



UVollé-X series is attractive to maintenance teams that require access to outdoors installations such as in substations and overhead transmission & distribution lines.

UVollé-X series is also attractive to monitor installations in enclosed indoors areas, such as in switch-yards, workshops, data centers, mines, etc.



VIDEO , STILLS & PLAYBACK

Recorded AVI videos and BMP pictures stored on a removable flash card with: audio annotation, counted UV events, date & time, gain value. Media can be played on the camera's LCD or on an external monitor via BNC jack. NTSC.



FIELD OF VIEW

6.4° X 4.8°



LCD

5" WVGA 800X480 px color sun readable TFT LCD 1000 cd/m² with adjustable backlight.



LED FLASHLIGHT

Integrated with 2 levels of brightness, improves quality of media recorded in dark spaces.



FOCUS & ZOOM

Manual & auto focus ranging 1.5m | 4.9ft to infinity. 120 optical x digital visible zoom, 3 steps UV zoom.



DIMENSION

1.39Kg | 3lb weight.
29L x 13.6W x 8.5H cm | 11.4"x 5.4"x 3.3"
IP 54.



INTUITIVE OPERATION

On screen menu and swift buttons. Default settings can be personalized.



LONG BATTERY RUN-TIME

Power sources: a rechargeable Li-Ion battery with over 4 hours run time. External charging.



COMMUNICATION PORT

RS232



HIGH SENSITIVITY TO UV

UVc spectral range: 240-280nm. Minimum partial discharge detected: 1 pC @ 10m Minimum RIV detected: 3.6dBµV @ 1MHz @ 10m. Tested & certified officially.



CONTROLLED FUNCTIONS

Gain; Zoom; Corona color; Focus; UV events counting; Long integration for noise reduction; Sleep mode; Flash light; Recording; Display settings



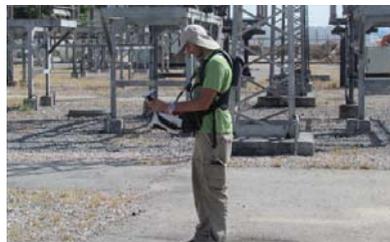
In substation
Corona on terminator

ACCESSORIES: see pages 12-13

>> Datasheet: www.ofilsystems.com/catalog

DayCor® SUPERB OD/XD

A portable daytime corona detection & recording imager. Robust and reliable, with high sensitivity to UV signals, powerful optical zoom and precise optics. Perfect for research and for outdoors intensive inspections. A fitted carrying vest supports holding the camera for extended duration. Functions are activated directly through keystrokes. Superb can be remotely controlled while mounted on a tripod. A large adjustable folding LCD with a sunroof, provides a vivid sharp clear image of the inspected scene.



DayCor® Superb is used by electrical utilities, heavy industry, mines, data centers, high voltage laboratories, research institutes, workshops, overhead catenary systems,

academy institutes etc., for predictive maintenance and for research.



VIDEO , STILLS & PLAYBACK

AVI videos and BMP images recorded & stored on a removable flash card with: audio annotations, date&time, counted UV events, gain. Media can be played on the camera's LCD or on external monitor via BNC jack. NTSC



CONTROLLED FUNCTIONS

Long integration for noise reduction; LCD features; Gain; UV events counting; Auto/manual focus; Optical & UV zoom; Date & time; Display mode; Sleep mode.



FIELD OF VIEW

5° X 3.75°



LCD

5" adjustable, color transfective sunlight with adjustable brightness of 450 cd/m² 640x480 px.



PERFORMANCE

Sturdy, built fit for extreme weather conditions.



FOCUS & ZOOM

Manual/auto focus for both UV & visible channels, ranging 3m | 9ft to infinity. Rapid zoom 18 optical x 12 digital. UV zoom X2 and X4.

ACCESSORIES: see pages 12-13



DIMENSION

3.3 Kg | 7.3 lb weight.
L23 x W18 x H15 cm | L9.1" x W7.1" x H5.9"
IP54.



INTUITIVE OPERATION

Ergonomically designed keyboard with large press buttons that activate all functions.



LONG BATTERY RUN-TIME

Power sources: a rechargeable Li-Ion battery providing over 2.5 hours run time, or 12V DC. External charging.



COMMUNICATION PORT

RS232.



HIGH SENSITIVITY TO UV

UVc spectral range: 240-280nm. Minimum partial discharge detected: 1 pC @ 10m, Minimum RIV detected: 7.7dBµV (RIV) @1MHz. @ 10m. Tested and certified officially.



In distribution
Tie wire

>> Datasheet: www.ofilsystems.com/catalog

DayCor®

LUMINAR^{HD}

Top of the line handheld HD corona camera with features that boost inspection. With DayCor® inside, accurate detection, recording and displaying of UV radiation are guaranteed. GPS, temp, humidity & annotations are marked on captured media. Wi-Fi, LAN and Bluetooth support remote control. Extra-large lit control buttons and a large bright & adjustable display with powerful zoom ensure comfort and performance. LuminarHD has an interface to coronaWise software with auto-detect and automatic data transfer.



DayCor® Luminar^{HD} is used throughout the electrical grid: generation, transmission, substation, distribution as well as by manufacturing companies, rotating machine

workshops, services providers, high voltage laboratories, mines, refineries, electrical trains, academy, research institutes etc., for predictive maintenance and research.



VIDEO , STILLS & PLAYBACK

HD 720p videos & stills are stored on a micro SD flash card with: GPS, date & time, audio/text annotations, temp & humidity, counted UV events & gain values. Stored media can be played on the LCD or on external monitor via HDMI



FIELDS OF VIEW

A continuous interchangeable optical wide to narrow fields of view of both the visible and UV channels, horizontal 10⁰-1.6⁰ and vertical 5.6⁰- 0.9⁰



LCD

A wide 5" high resolution VGA 800 x 480 pixels, LCD, with 1000 cd/m² sun readable, adjustable power backlight, delivers sharp and vivid imaging of the inspected scenes.



FOCUS & ZOOM

Powerful zoom, continuous interchangeable optical FOV of visible & UV channels and HD high resolution recording enable excellent view of imperfections during inspection and during back office processing.



DIMENSION

2.2 Kg | 4.8 Lb weight.
L29 x W13 x H12 cm | 11.4" x 5.1" x 4.7"
IP54.



INTUITIVE OPERATION

Pictorial menu and swift buttons to frequently used functions. Personal default profiles can be defined.



LONG BATTERY RUN-TIME

Power sources: a rechargeable Li-Ion battery with over 2.5 hours run time, or 12V DC. External charging.



COMMUNICATION PORT

1GB Ethernet, Bluetooth, Wi-Fi,



HIGH SENSITIVITY TO UV

UVc spectral range: 240-280nm. Minimum discharge detected: 1 pC @ 15m equivalent to 3.6dBµV (RIV) @1MHz @10m. Certified officially.



ERGONOMIC EXTRA CARE

Spacious and extra big illuminated control buttons designed for working-with gloves. A built-in powerful LED flash light enables inspection in darker conditions. A pictorial easy to read menu adds multiple operational features.



In transmission
Corona on recloser

ACCESSORIES: see pages 12-13

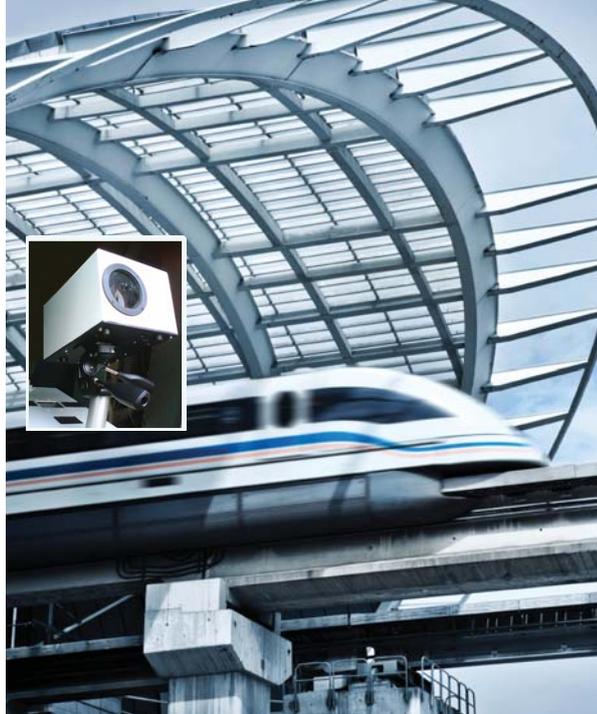
>> Datasheet: www.ofilsystems.com/catalog



MOUNTED

DayCor[®] RAIL

Automatic corona & arcing monitoring system for overhead railways lines: detecting, recording & reporting. The system includes a UV detector, a Corona-Catch proprietary processor and a control & display unit. Encountered UV signals that are recognized as corona are stored as cases and presented in detailed reports. Cruises are fully recorded and synchronized with ambient conditions, GPS & date and time. At the end of each ride reports of corona cases are generated with imaging and video clips embedded.



DayCor[®] Rail is used by electrical trains maintenance teams, mounted on measurement trains and vehicles. Rail is at-

tractive to fast trains operating on medium/high voltages.



VIDEO RECORDING

More than 10 non-stop recording hours. Video clips of entire cruises are stored on a removable hard disc. Recognized corona events are stored in dedicated separate folders sorted chronologically and used in reports.



EASY INSTALLATION

Easy and fast installation. All components match standard racks. Supplied with detailed installation instructions.



FIELD OF VIEW

5° x 3.75° or wider with an optional lens.



PERFORMANCE

Rail is a heavy-duty sturdy system fit for jerky rides and extreme weather, shock and vibration conditions.



FOCUS

Fixed, ranging 3 meters (9.8 feet) to infinity.



CUSTOMIZING OPTIONS

DayCor[®] Rail can be customized and can be tailored made to match specific needs, architectures, platforms, languages and general preferences.

ACCESSORIES: see pages 12-13

>> Datasheet: www.ofilsystems.com/catalog



DIMENSIONS

Imager: L25 x W18 x H15cm | L9.8" x W7" x H5.9"
Processor unit: 11 Kg | 24.3lb for 3U 19" rack
Monitor: 19", 12Kg | 26.45lb
GPS unit: 1.3Kg | 2.9lb



AUTONOMOUS OPERATION

Autonomous standalone. Turned on at the beginning of a cruise and off upon arriving to final destination stop.



AUTOMATIC REPORTS

Corona-Catch, Ofil's proprietary software, distinguishes between noise and corona signals. Only corona events are evaluated and used in the reports. [Registered Patent EP1112459B1]



HIGH SENSITIVITY TO UV

UVc spectral range: 240-280nm. Minimum partial discharge detected: 1 pC @ 10m, Minimum RIV detected 7.7dBµV @1MHz @10m. Tested & officially certified.

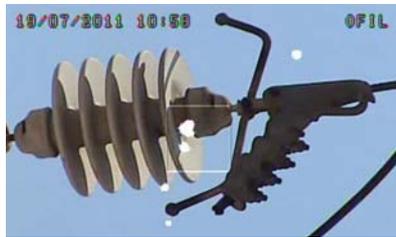


OH catenary
Corona insulator

DayCor®

RANGER MS/UV

A comprehensive driven inspection system for overhead electrical lines. Ranger offers a combination of premium imaging sensors capturing UV, IR & TV mounted on a roof mount and controlled remotely from within the vehicle. High detectivity of the sensors guarantee efficient collection of qualitative data while driving. Ranger is attractive to electrical utilities or services providers that need to cover long distances. The offered combination of sensors fulfills the need for complementary information attained from multiple spectral ranges.



DayCor® Ranger is used by utilities to monitor efficiently overhead transmission and distribution lines and by ser-

vices providers that seek to streamline their inspection projects.



VIDEO, STILLS & PLAYBACK

AVI videos & JPG pictures stored on a removable flash card with audio annotations, radiometric readings, GPS, date & time. Playback on the control notebook or on external optional monitor.



EASY INSTALLATION

Easy installation, fits most vehicle makes & sizes. Supplied with an installation kit & instructions.



FIELDS OF VIEW

UV: 5° x 3.75° | IR^(*) 25° x 18.8° | TV HD^(*) video: 63.7°(wide end) to 2.3°(tele end) ^(*)FOV of IR and HD cameras depend on model



PERFORMANCE

Heavy-duty, performs smoothly in windy and icy conditions. Allows precise positioning. Rugged extreme-fit laptop fit for bumpy roads. IP67



FOCUS & ZOOM

Auto focus ranging 3m | 9.8ft to infinity . UV zoom X2 & X4. Visible zoom X360 (30 optical X 12 digital).



PHYSICAL PROPERTIES

Pan & Tilt made of composite material, strong & light weight. Notebook with 14.0" HD display outdoors readable with resistive touch screen.



SIMPLE INTUITIVE OPERATION

Pan & Tilt unit is controlled by a joystick. Programmable. Pan's operating angle: 360°. Tilt: +30° to -90° @ 50° / Sec. Wireless laptop control.



MULTI SENSORS

Accommodates for combinations of multiple premium sensors selected by customers. All cameras are remotely controlled.



HIGH SENSITIVITY

UVc spectral range: 240-280nm. Minimum partial discharge detected: 1 pC @ 10m Minimum RIV detected: 7.7dBµV @1MHz @10m, tested & officially certified.

Thermal Sensitivity <0.05 °C @ +30VC / 50mK. TV image sensor 1/2.8 CMOS type.



HIGH SPEED INSPECTION

DayCor® Ranger performs well capturing smooth video clips of corona while on the move at speeds of up to 100 km/hour.

ACCESSORIES: see pages 12-13



In transmission Corona on NCI

>> Datasheet: www.ofilsystems.com/catalog

DayCor® ROM

A powerful high speed remote inspection solution for aerial scanning, equipped with outstandingly high sensitive sensors and up to date technological implementations. ROM system integrates UV & IR optical sensors with HD video and photo cameras in a gyro stabilized gimballed payload. ROM is compatible with FAA\EASA STC certification, it is light in weight, simple to install and matches most helicopters and UAVs.



DayCor® ROM is a premium choice for detecting from helicopters faulty electrical elements, fire mapping, oil spill detection and pipelines. Services companies with fleets of

aircraft find ROM attractive due to the added value of using multiple sensors and the comprehensive resulted reports.



VIDEO RECORDING & STORING

Simultaneous recording of 3 separate channels - UV, IR, TV(HD) with radiometric data taken by each sensor.



EASY INSTALLATION

A lightweight structure and composite covers. Simple & standard installation in various locations on various types of helicopters.



MULTI SENSORS

Multiple sensors provide a comprehensive detailed examination of assets' condition. Each sensor uses its relative advantage and contributes its unique data.



STABILIZED PAYLOAD

A fully digital 4 or 5 axis active gyro stabilization system of less than 10 µRad provides smooth stable imaging and recording.



FULL CENTRAL CONTROL

A hand control unit controls the turret and the mounted cameras. A monitor allows viewing 4 different inputs at once.



FOCUS & ZOOM

Auto focus ranging 3m | 9.8ft to infinity. UV zoom X2 & X4. Visible zoom X360 (30 optical X 12 digital).



SYSTEM BUILDING BLOCKS

Basic packages include a turret camera unit, a control unit, 4 top quality sensors, a monitor, GPS, a recorder. Alternative or/and additional upgrading components are available.



PHYSICAL PROPERTIES

Dimensions vary from Ø400 mm | 15.7" to Ø300 mm | 11.8", and weight 30 kg | 66 lb to 20 kg | 44lb.



FIELDS OF VIEW (FOV)

UV: 8° x 6° | IR(*): 16°x 12° | Video camera(*): 63.7° (wide end) to 2.3° (tele end)
 (*): Depend on customer's choice of sensors



HIGH SENSITIVITY & RESOLUTION

UV: minimum PD detection 1pC @ 10m. Certified.
 IR: Better than 50mK @ 30°C, 1024 x 768px
 Video better than 1/2.8 CMOS TYPE 36.3Mpx



Aerial inspection

DayCor®
ROMPACT
 DayCor®
SWIFT

2 Compact bi-spectral solar blind UV-Visible corona camera modules remotely controlled, having a robust rigid structure and light weight. Made for airborne inspections, surveillance, fixed ongoing observations etc. Fit for gimbaled payloads, UAVs and as OEM, providing excellent UV detectivity or as cameras mounted on a tripod.



DayCor® ROMpact & DayCor® Swift are used by electrical utilities to monitor partial discharge on overhead transmission & distribution lines using helicopters or UAVs. The

compact dimensions enable using them in most gimbal sizes and mounting configurations. ROMpact & Swift are also used as fixed cameras for ongoing monitoring.



VIDEO STREAMING

Standard NTSC video is being constantly transferred to a remote monitor. Output includes corona detected signals and the emitting sources stamped with counting, date & time and camera settings.



EASY INSTALLATION

ROMpact & Swift match compact & spacious gimbals. Can also be mounted externally on drones, or on lap mount flight tables. Simple installation.



STABILIZED PLATE

A rigid stabilizing plate keeps each system securely attached to its seat.



OPERATION & CONTROL

Controlled by a wired notepad using RS-232. ROMpact has an optional wireless remote control.



FIELDS OF VIEW

ROMpact: 8° x 6° visible synchronized with UV.
 Swift: 6.4° x 4.8° visible synchronized with UV.



DIMENSIONS

ROMpact: 1.2 kg | 2.6lb
 L247xW125xH73mm | L9.72x4W.93xH.87"
 Swift: 1.4 kg | 3.08lb
 L245 x W125 x H101mm | L9.65 x W4.92 x H3.9"



HIGH SENSITIVITY TO UV

UVc spectral range: 240-280nm. Minimum PD detected: 1 pC @ 10m, 7.7dBµV (RIV) @1MHz @10m

DayCor®
AVIROM

UAV & A CORONA CAMERA

- » An unmanned rotary wing aircraft carrying a gimbaled payload with a ROMpact camera.
- » Used for photography, surveying and inspections offering the advantages of autonomous flights with excellent inspection capabilities.
- » Confined to local regulations, the aircraft can fly in the vicinity of electrical poles and along lines, hover, move vertically and maneuver safely responding to findings. One operator controls the flight. Video is transmitted to a control unit.



CLOSE-UP LENSES

Easily mounted, replacing camera's default lenses. Close-up lenses provide macro examination of the inspected installa-

tions. Close up lenses are handy to document and record detailed view of failures and defects related to corona.

UVOLLÉ



Range
0.5-0.8m | 0.7-1.5m

SUPERB



Range
0.5-3m | 1.5-3m

LUMINAR^{HD}



Range
0.6-1m | 1-3m



close-up inspection



close-up inspection

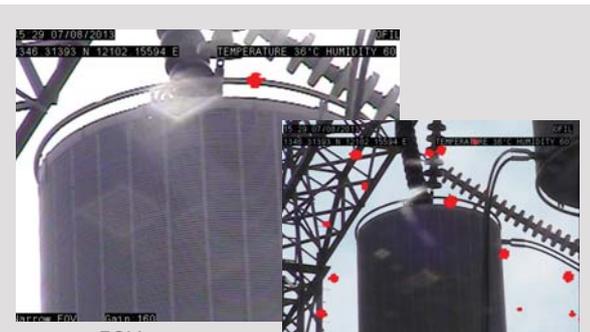
WIDE FIELD OF VIEW (FOV)

Clip on lenses that support inspections of nearby installations in enclosed indoor spaces or in congested areas.

UVOLLE



FOV
12.8° x 9.6°



narrow FOV

wide FOV

SUPERB\RANGER\RAIL



FOV
10° x 7.5°

UVOLLE: FLOODLIGHT



LUMEN RANGE
140 120m

GTRH & TRH SENSORS PLUGS

GTRH adds GPS, Temperature & humidity data to UVollé. TRH adds temperature & humidity data to Scalar, UVollé & Luminar. Data is added as metadata and appears on recorded media.

UVOLLÉ\LUMINAR^{HD}




Humidity
±4.5%
Temperature
±0.5°C

UVOLLÉ




Accuracy
2.5m
Velocity
500m/s

REMOTE CONTROL

Wireless & wired remote controls to operate Superb & Luminar handheld cameras, ROMpact and Swift. Access to all functions

SUPERB



15m shielded cable

LUMINAR\ROMPACT\SWIFT



Wired\wireless notepad

FLIGHT TABLE

A padded sturdy lap mount with adjustable pan and tilt chassis that holds the corona camera enabling manual corona inspection from within a helicopter.

EXTENDED RUN-TIME BATTERY

Rechargeable Li-Ion battery for SCALAR with extended run time of over 7 hours.

HANDHELD MODELS



SCALAR



CoronaWise is a database software for electrical engineers that perform inspections with corona cameras and manage the collected data. CoronaWise provides an easy-to-use all-in-one environment to handle information about the condition of assets. With CoronaWise it is easy to document inspections, store findings, follow up

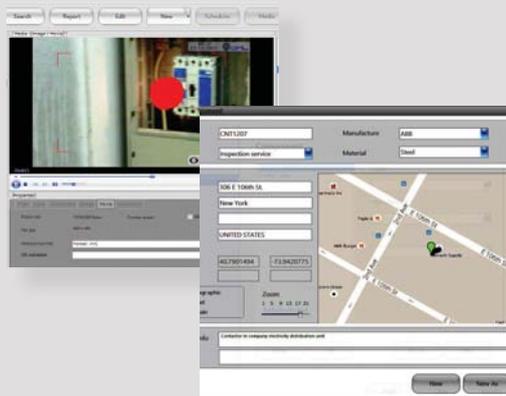
cases, look-up components' history, generate report and analyze trends.

CoronaWise is an effective means to process the massive data that is being collected during inspections turning it into actual recommendations and reliable reports.

- >> FRIENDLY INTERFACE
- >> DATA RETRIEVAL & SORTING
- >> STORE VIDEOS AND PICTURES
- >> AUTOMATIC REPORTS
- >> STORE INSPECTION SESSIONS
- >> MAINTAIN DATA CONSISTENCY
- >> LANGUAGE LOCALIZATION

INSPECTION SESSIONS

CoronaWise stores detailed inspection sessions with related imagery attached. Sessions are the building blocks of reports and include all fields that can provide a comprehensive view.



DATA INTEGRITY

To maintain data integrity clarity and consistency, CoronaWise uses dictionaries. Each organization builds its own dictionary of terminology, components' names etc. Language localization is provided.

DATA RETRIEVAL

CoronaWise facilitates retrieving records by existing fields. Queries are easily created. Results are displayed sorted by a requested order.

DECISION MAKING

CoronaWise complies with Ofil's decision-chart methodology. Ambient conditions, material, distances, gain & counting arguments are used to predict and decide upon the needed maintenance steps.

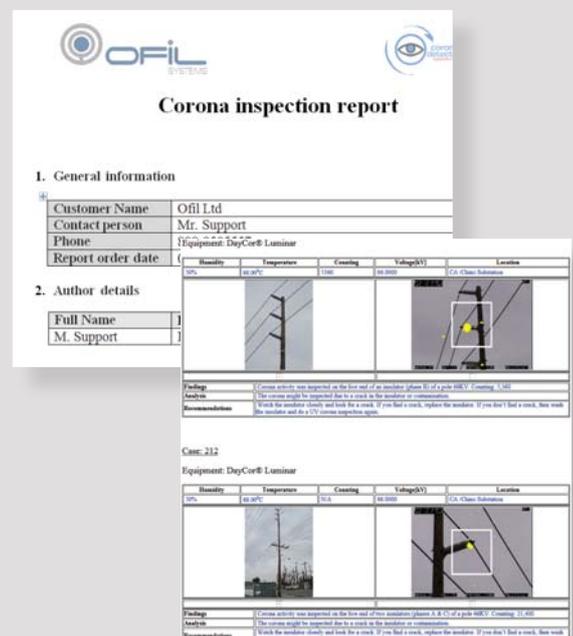


SINGLE USER OR ENTERPRISE VERSIONS

Single user version is installed on a single computer. The enterprise version has a server/client configuration, creates a central databank and allows access to permitted users. Sharing a repository assists reducing storage needs and reduces redundancy.

REPORTS GENERATION

CoronaWise includes pre-defined system reports that match common management preferences and allows building personal reports. Generated reports are in portable html format, compatible with most existing browsers, and include embedded/linked media of the captured findings, analysis and recommendations.



OFIL RECOMMENDS



CITI - CORONA INSPECTION TRAINING INSTITUTE

The success of any maintenance management model is based upon highly skilled manpower. Skilled teams must be knowledgeable, should preserve their technical expertise and get exposed to new technologies. CITI engages specialists whose knowledge and expertise are valuable. Companies should put a strong emphasis on the training of their specialized working teams and send them periodically to seminars with professional educational programs



BENEFITS

- » Learn from UV authoritative professionals
- » Become a qualified certified UV inspectors
- » Get practical and theoretical training on using UV inspection for predictive maintenance
- » Make the most of your existing equipment
- » Let go of "trial and error" education and decrease maintenance costs
- » Tune up with the latest technological innovations

EARN 20 PDHS & A UVIGRAPHER
DIPLOMA



WHO SHOULD ATTEND?

- » All levels Inspectors
- » PdM Managers
- » Maintenance Technicians
- » Maintenance Engineers
- » DayCor® or other corona camera owners

TOPICS

- » The essence and theory of UV technology
- » Implementing inspection with UV technology
- » What is corona?
- » Inspection Methodology
- » Applications
- » UV & complementary technologies
- » Reports
- » The principles of corona camera
- » Using corona cameras and more.

DURATION, LOCATION

- » Three days
- » Atlanta GA USA

HOSTING A CLASS

- » Organizations are welcome to host seminars
- » Hosted seminars can be closed to the hosting team members or open to the public
- » Hosted class are offered worldwide

REGISTRATION-INQUIRIES

Online:
www.citi-training.com

Phone
1.888.950.5557 ext 2 or 4

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Ofil conceives, develops, manufactures and markets bi-spectral (ultraviolet & visible) optical sensors and imaging systems, classified as Non-Destructive-Testing (NDT) equipment. Ofil's systems are used for predictive & condition based maintenance of high and medium voltage apparatuses.

Ofil is engaged with ongoing research & development activities, design & production of Commercial-Off-The-Shelf (COTS) products and of tailor made solutions with incorporated proprietary DayCor® technology that allows precise detection of UV signals in full daylight.

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