

UVollé-S

Compact Corona Catcher

UVollé-S takes still pictures of corona during daytime. It is the lightest daylight corona camera; easy to operate and robust for intensive daily use. UVollé-S is a bi-spectral UV-Visible camera with high sensitivity to UVc fitted for inspection and detection of nearby corona and arcing phenomena in daylight. The inspected scene is displayed on a color LCD while the findings are captured and stored on a removable memory card. UVollé-S is an ideal basic tool needed in every electrical maintenance toolbox.



UVollé-S to foresee electrical failures

► UVollé-S - Light and Compact

Light-weight, compact and ergonomically designed for single hand operation. Carried on a dedicated padded shoulder strap, ready and handy to shoot whenever needed

► UVollé-S Pinpoints Corona Location

A precise bi-spectral UV-Visible camera. Accurately displays the detected corona and arcing in their original settings. Field of view is optimized to enable clear inspection of nearby scenes. Ofil's proprietary exclusive lenses and optical filters guarantee full solar blindness during daylight and clear imaging of the corona phenomenon

► UVollé-S UV Events Counter

UV events are counted and displayed to designate the relative corona strength

► UVollé-S Endurance

Designed for use under high electromagnetic fields, as prevail in substations, and under extreme working conditions

► UVollé-S Easy to Operate

Joystick controls the frequently used functions. Selected functions are indicated on the LCD screen. Switching between controls is instantaneous and seamless. Corona color can be changed to accommodate for various scenes or match individual preferences

► UVollé-S Built-in Image Shoot & Store

Grabs still digital pictures. Pictures are previewed and stored on a removable flash memory SD card

► UVollé-S Smart Power Management

Standby and automatic switch to sleep mode ensure about 3 operation hours with AA batteries

► UVollé-S Reporting Software

Compatible with Ofil's reporting database software, for documenting, processing and reporting

► UVollé-S – Corona Magnification

Built-in noise reduction algorithm eliminates sporadic UV signals. Digital magnification magnifies corona events without affecting their original location and counting values

Technical Specifications

Imaging performance

Field of view (HxV)	4.8° x 6.4°
Spectral range	250 -280 nm
Min visible light sensitivity	0.1 Lux
Working distance	0.5 meters to Infinity *

Image Presentation

Image modes	Visible/UV/Combined
UV/Visible overlay	Accuracy - better than 1 miliradian
Display	Built in display 3.5" (240X320)
Status Indicators	Low battery; SD memory status; UV Gain, UV counting; Date & time: Selected functions; Focus, Inspection mode
Set-up controls	Corona color; Time & date; Standby timing; Auto-off clock; LCD Brightness, LCD Contrast, LCD Saturation, LCD Backlight

Image Storage

Digital storage	Removable micro SD Memory Card
Image storage capacity	1000+ BMP images

Power Source

Battery type	4 AA
Battery operating	Up to 3 hours
AC operation	Universal AC/DC 5V
Nominal power consumption	5 Watts
Power saving	Power management, automatic shut down and adjustable standby mode

Environmental

Operating & storage temp range	-20°C up to +55°C
-----------------------------------	-------------------

Physical characteristics

Weight	1.29 Kg
Size (LxWxH)	28x10x7 cm

* With close up lens (optional accessory)



- ▶ Light and compact, handheld
- ▶ Color LCD
- ▶ Joystick control
- ▶ Standard AA batteries

- ▶ UV events counter
- ▶ Spot, shoot and store still pictures
- ▶ Full solar blind
- ▶ Color corona



P.O.Box 4016, Nes Ziona, Israel 74140
Tel. +972.8.9407953 • Fax. +972.8.9407873
www.OfilSystems.com • info@OfilSystems.com
USA toll free telefax 1-888-950-5557