

Dear Electric Utility, Surveillance, and UVc Professional.


We at EKLUND INFRARED have been an Ofil Representative providing DayCor® Corona Cameras since 2002. That's when for the first time an easy to use practical camera for Corona Detection in full sunlight became available. Since that time the DayCor® Cameras can now be found all around the globe.

We sell the Ofil DayCor® Cameras and we also Rent them out on a weekly or monthly basis!

What makes the DayCor® Camera so popular is the ease of operation and the very high sensitivity combined with complete 100% suppression of the UV radiation from the sun.

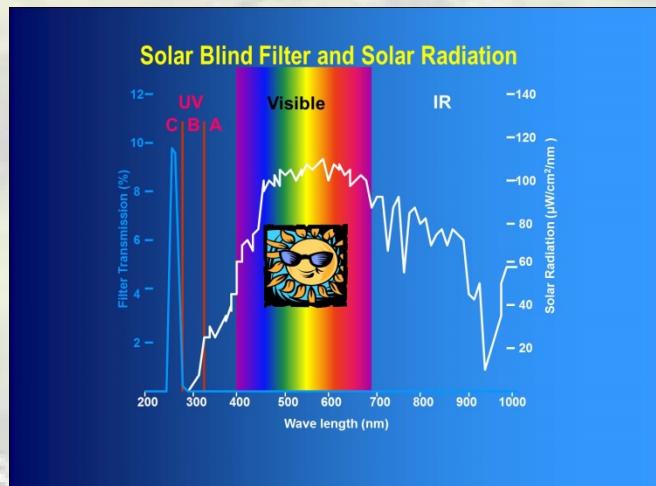
The DayCor® Superb™ is the most sensitive bi-spectral Visible-UVC detection camera available. It has absolute solar blind performance and its high pinpointing resolution makes finding Electrical Corona, arcing and PD a snap. The DayCor® Superb™ integrates the latest technological innovations with human engineering for safe operation with a Transflective color LCD display easily seen by all in the inspection team!

The DayCor® has a dedicated special UV fast autofocus optical system coupled with a proprietary UVC filter. The DayCor® Superb's unique design enables long continuous inspection and eliminates arms and eye strain.

How can we see and detect electrical corona in spite of the extremely high UV radiation from the sun?

Please refer to the picture on the right.

- **The UV radiation** received on the Earth from the Sun is shown with the **white curve on the graph**.
- The Ozone layer around the earth is absorbing the UV radiation below the UV A and UV B bands.
- **The DayCor® camera works in the UV C band and uses an OFIL proprietary narrow bandpass filter** to totally eliminate the Solar UV Radiation reaching the camera. **See the Blue curve on the chart!**
- This means that a **maximum sensitivity gain** can be used in the camera since the **back ground noise is eliminated**.
- Now, any, even the weakest UV C signal from an electrical corona can easily be seen and detected! **Using the Bi-Spectral function of the DayCor® camera the exact location of a corona event can be seen on the visible/UVC color LCD monitor screen.**



The DayCor® utilizes a **Trans-Reflective LCD Display** for excellent sun readability! A **Continuous High Speed Auto-Focus System** is part of the DayCor® Superb™ Corona Detection Camera!

The Superb™ is excellent for inspection of **Overhead Lines and Substations on a regular basis!** Our Ofil DayCor® Solarblind corona cameras can easily see, find and pinpoint the location of a dangerous Corona Event. Missing or damaged corona rings and mistreated insulators can lead to a Corona and flashover event

You can rent a **Corona Camera** from us on a weekly basis. (Daily for our local customers) **Please contact us for rental pricing and availability to fit your schedule. 770-578-4435. info@eklundir.com**

We are representing the whole line of Ofil DayCor® camera systems: **Superb™, Luminar™, UVolle-VX™ and more.** Please ask us for a Price Quotation!

www.coronacamerarental.com

Sincerely Yours,
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Cc: Jan

PS: We have attached the specifications on the DayCor® Superb™ UVC Corona Camera as a PDF document.