

Dear Electric Utility, Surveillance and UVc Professional.

We at EKLUND INFRARED/Eklund Innovation Inc., experienced in the Solarblind UVc Corona Detection technology, have the DayCor® Superb™ Corona Detection Cameras available for use on a Rental basis.

The cameras are available for weekly or monthly rental within the USA. Long term rental is available.

The following examples of Corona detected shows how easily the Corona camera can find Corona, Arcing, and Partial Discharge problems:

The pictures to the right show severe corona on the insulated conductors in an indoor 38 kV substation. The insulation was being eaten away by the Corona Discharge (In white). Electrical Corona produces Ozone and Nitric Acid. **Nitric Acid forms when in contact with the humid air** and is very corrosive. It is important to detect Corona discharges and to correct the problems causing it as soon as possible!



Renting a Corona Camera from us makes it easy to check for problem areas without spending money on a purchase. The Solar-Blind DayCor® Superb™ camera is easy to use. It has the highest sensitivity available.

The picture to the right indicate corona on the **cold end** of a bus support insulator. The insulator was found cracked at the bottom. The **high wind loading stress** on the upper section of the bus support during high wind led to the cracking. It is important to inspect **Substations for corona** at regular intervals, particularly if they are subject to high wind and **insulator contamination**. To prevent a flash-over situation, Corona scanning is important before and after washing. If you **hear corona**, the practical way to find out **if it is dangerous is to use our Superb™ Corona Camera!**



The two pictures to the right show severe Corona on a **NCI Polymer Insulator**. The left picture vividly shows the Corona discharge with medium gain of 180. In the right picture the gain has been reduced to **pinpoint the exact location of the problem!** Observe the high Corona photon count. This insulator needs to be replaced and the replacement unit needs a corona ring! The camera gain setting goes from 0 to 250.



Rent a Corona Camera from us on a weekly or monthly basis when you need it. Our rental prices make it easy on the budget. Find the Corona and Arcing problems before you have an unscheduled outage!

It is easy to do your own Corona inspection when you rent a Corona Camera from us. The Superb™ is easy to work with, it is **100% Solarblind** and it is the most sensitive Corona detection camera in the world. Please contact us for monthly or weekly rentals.

Sincerely Yours,

EKLUND INFRARED/Eklund Innovation Inc.

Your UV Camera Specialists™

2985 Gordy Parkway, Marietta, GA 30066

Voice: 770-578-4435

Fax: 770-578-9899

Email: Info@EklundIR.com. Website: www.eklundir.com, www.coronacamerarental.com

PS. If you or your helicopter operators need an Airborne Laser-Gyro Stabilized Camera System with Infrared, HD video and/or Corona capability, call us. We are the US Representative for **SweSystem** and the **300 & 400 Gimbals!**