

CORONACAMERARENTAL.COM – EKLUND INFRARED Inc.

## EIR DayCor® Superb™

UVc Corona Detection Camera



The Superb™

- Is a most important tool available to the electric utility industry in its quest to maintain and improve the electrical Grid.
- Finds and pinpoints the exact location of corona, arcing, and partial discharge.

The Superb™

- Double fusion image sees the UV corona overlaid onto the visible image in real time.
- Easily finds corona on insulators for damage evaluation.
- Is the ideal solution for a cost effective and efficient predictive maintenance program.
- Helps with planned survey for detection of corona and arcing and protection against unplanned outages. For Overhead Transmission lines, Substations, large Generator or Motor Stators etc.

**We provide the EIR DayCor® Superb™ on a rental basis. Please contact us for pricing and availability.**

**Key Features:**

- 100% Solarblind for full daylight operation.
- Highest sensitivity of UVc corona cameras.
- Easy one touch digital video recording on removable SD card with included voice annotation.
- High sensitivity even at distance. Better than  $3 \times 10^{-18}$  watt/cm<sup>2</sup>
- Easy to use with ergonomic design for low effort full day use.
- High speed auto-focus system
- Practical UV events corona strength counter with digital read-out.
- Touch key gain setting from 0 to 250.

It is proper to check any substation for corona on a yearly basis to assure there are no dangerous issues. If you hear corona, use the Superb to pinpoint the exact location and qualify the level of the problem.

Contact us for you rental need at: EKLUND INFRARED/Eklund Innovation Inc., 2985 Gordy Parkway, Marietta, GA 30066. 770-578-4435. F770-578-9899  
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# CoronaCameraRental.com

## DayCor® Superb Camera Specifications

UV – Optical Properties	
Highest UV Sensitivity; Detect levels as low as:	$3 \times 10^{-18}$ watt/cm <sup>2</sup>
Minimum Discharge Detection	1.5 pC (Pico Coulomb) @ 8 meters (26 ft)
Minimum RIV Detection	15dB $\mu$ V (RIV) @1MHz
Field of View (H x V)	5° x 3.75°
Detector Lifespan	No degradation
Focus	Full continuous rapid auto-focus for UV and visible channels. Simultaneous manual focus adjustment for both channels
Focus Distance	0.5m (1.6ft) – infinity (with optional close-up lenses)
Digital UV/Combined Zoom	2X and 4X
Visible – Optical Properties	
UV/Visible Overlay Accuracy	Better than 1 milliRadian
Minimum Visible Light Sensitivity	1 Lux
Video Standard	Full Color NTSC standards
Rapid Visible Zoom	25 optical x 12 digital Max Visible Zoom reached within 1 sec after pressing key. Return to normal value within 1 sec after key release.
Display	
Type	Integral high resolution LCD, adjustable
Brightness	320 cd/m <sup>2</sup> reflective, adjustable
Resolution	320 x 234 pixels
Size	5 inch
Modes	Combined (UV & Visible), UV only, Visible only
External Display and/or recording device	Full Color Composite NTSC via BNC jack
Controls & Operation	
Method	Keyboard
Functions Activation	Touch key
Rapid Zoom	Continuous push button key
System Status Indicator	LCD display shows low battery warning
Environmental	
Storage and operations temp	-20°C to +55°C
Internal Data Storage	
Media	Removable SD compact flash card
Video Format	ASF, WMV compatible, MS Windows standards
Storage Capacity	Up to 2GB
Image Format	Wide variety of image formats (JPEG, GIF, PNG, BMP etc.) via capture from SD card. All Color.
Physical Characteristics & Power Source	
Weight	7.3 lbs. (3.3 kg)
Dimensions	L x W x H: 9.1" x 7.1" x 5.9" (0.23x0.18x0.15m)
Nominal Power Source	12V DC, 16 Watts
Power Source	Rechargeable NiMH battery, more than 2.5 hour's continuous operation per battery. Universal AC/12V DC adapter

**RENT FROM EKLUND INFRARED/Eklund Innovation Inc. Your UV Camera Specialists™**  
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