The V200 is the latest solar blind UV camera that can optically detect UV signals in broad daylight. With high sensitivity to UV in the solar blind range, it is a powerful tool detecting weak UV signals even at long distances.

**Features**
- Light and handy
- Easy to use and convenient
- Detect corona stably at a wide range within 10m
- Easily determining the abnormality of electronic high power equipment by displaying maximum amount of corona
- Function of detecting corona with beep sound
- Recording and playing the situation in real time
- More than 5 hours battery run time with one charge, Easy battery replacement
- No degradation of detection performance for using V200 special sensor system
- Available for use both inside and outside
Easy catching default behind the UV-C

Band for UV(Ultra Violet)

<table>
<thead>
<tr>
<th>UV-A Band</th>
<th>UV-B Band</th>
<th>UV-C Band</th>
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</thead>
<tbody>
<tr>
<td>320~400nm</td>
<td>280~320nm</td>
<td>100~280nm</td>
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</table>

Just only Band C can detect the corona emission above UV Bands. COROTEK-V200 can detect corona emission within ranges, 185-260nm Band, so that can detect the more wide Band UV-C compared to other model.

UV-C Band is Solar Blind Band and all of the wave from the sun is cut through the atmosphere and Solar Blind Band is not influenceable by wave of light. UV-C Band, 280nm is influenceable by UV filter built in other existing high price corona camera, that is, filter sensitivity in camera can be decreased by depletion of ozone layer, seasonal influence and UV-C Band. Eventually, UV camera have a difficulty for detecting corona discharge from high voltage facilities.

COROTEK-V200 was developed for easy catching the default of high voltage facilities behind the UV-C Band as far as possible.

Event Counting

Event Counting is the volume of corona emission. It is not having a reference such as "pC", "Kg" unit, therefore event counting in this model(COROTEK-V200) is not absolute reference to all kinds of the corona devices. Even the same volume of corona emission in a unit, the closer is larger number, the farther is smaller number when the COROTEK-V200 measures corona discharge at high voltage facilities, transmission high voltage line and plant stations. It needs to be measured continuously by comparing to discharge volume for exactly making a trend.

COROTEK-V200

Maximum event counting

Event counting is temporal numeric display, so fade in and fade out. COROTEK-V200 Maximum event counting technology makes user to confirm the volume of emission easily with numbers.

Long life cycle with Solar Blind

In general, corona camera uses UV filter module that is built in “band pass filter film” for implementing the function of solar blind. Band pass filter film tends to reduce the ability of UV area transmission factor.

COROTEK-V200 has overcome this weakness and has release a new model which signals a new era on UV camera. Even if users use COROTEK-V200 for a long time, it does not reduce the ability of function in relation with long time measuring. The life cycle of the unit was expanded than ever seen used.

SPECIFICATION

- **Field of View (H×V)**
  - 27.6° × 20.7° (Vis)
  - 6.4° × 4.8° (UV)

- **Focus**
  - 0.5 ~ ∞ (Vis) m

- **UV-C Wavelength band**
  - 185 ~ 260 nm

- **Display**
  - 3.5" LCD Display

- **Resolution**
  - 320 x 240 pixel

- **Frame rate**
  - 30 Hz

- **Sensitivity**
  - 6.8pC @ 10 m

- **Event Counting**
  - Display on board

- **Maximum Event Counting**
  - Display on board

- **Image Storage Function**
  - Pausing, Recording and Replay

- **Power Capacity**
  - 7.4V, 3500mAh rechargeable

- **Dimensions (L×W×H)**
  - 111 × 125 × 180 mm

- **Weight**
  - Approx. 1.2 kg (including battery)

- **Standard Accessories**
  - SD card, Replacement rechargeable battery, Charging adaptar, Auxiliary charger, Charging cable, Hand strap, Carrying case, Manual

- **Optional Accessories**
  - Tripod, Shoulder pad