

Specifications for UV/Visible Corona Camera

The key features required

- 1) UV channel:
 - a) Solar blind UV channel (no response above 280nm)
 - b) Sensitivity less than or equal to 3×10^{-18} watts/cm²
 - c) Minimum discharge detection of at least 1pC at 10 meters
 - d) Field of view 6° or greater (Horizontal) x 4.5° or greater (Vertical)
 - e) Video capture onto removable media
 - f) Either
 - i) separate UV and visible video output
OR
 - ii) remote control to select video type with channel switching time less than 1 second
- 2) Visible channel:
 - a) Either separate UV and visible video output OR remote control to select video type
 - b) Video capture onto removable media
 - c) Spatially registered to UV channel
 - d) Image resolution of 640x480 or higher
- 3) Power: 12V (external), battery (internal)
- 4) Include delivery and wide field-of-view lenses
- 5) Weight: less than 5 lbs