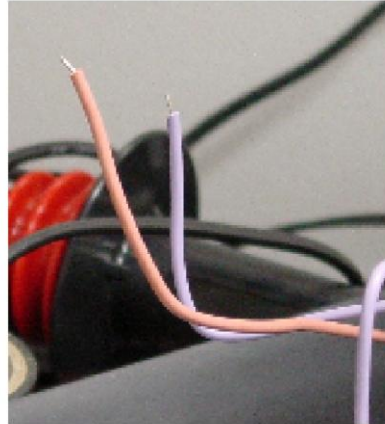


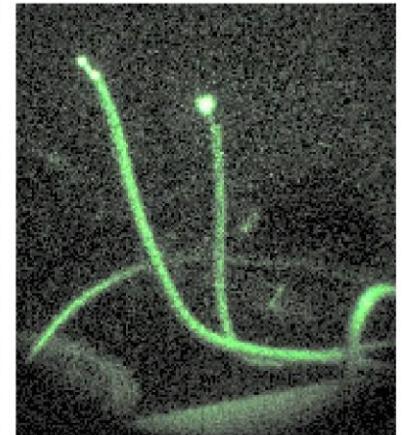
CORONA EFFECT / DETECTOR CAMERA



Corona Detector Camera



Two wires with an 8,000 volt electro-static field under fluorescent lighting.



Two wires with an 8,000 volt electro-static field as seen through the Corona Detector Camera.

The Corona Detector Camera is an extremely compact, battery operated system that is ideal for detecting corona discharge in various environments. Real time viewing means that high voltage equipment can be quickly and thoroughly inspected for evidence of corona discharge that is visible only in the ultraviolet spectrum (see photograph above far right). Clearly identifiable corona discharge seen through the Corona Detector Camera can be photographed with an optional digital camera that attaches to the Corona Detector Camera. The Corona Detector Camera uses a custom designed all Quartz UV lens, a custom manufactured image intensifier tube, and a 25mm diameter optical filters for unsurpassed performance in a wide variety of lighting conditions. The Corona Detector Camera uses a low distortion lens custom designed specifically for imaging in the UV spectrum. The system comes complete with a rugged Pelican case, a filter set, and detailed instructions. A digital camera and mounting bracket are also available.

Corona Detector Camera

Spectral Sensitivity:	UV to Visible to Near IR
Luminous Gain (2850°K):	22,000 typ. to 28,000 max
Gain (internal pot):	Zero to max gain, 20 turn pot
Sensitivity:	5×10^{-5} lux full video
	1×10^{-6} lux useable video

Miscellaneous

Input Power: 2 AA alkaline batteries
 Size/Weight: 242mm x 55mm x 178 mm,
 1.2 kg
 Lens Mount: 1" format, C-Mount w/ back
 focus adj.

Optional Digital Camera

Type: Canon Powershot S-5-IS
Resolution: 8 megapixels
Focus: Auto & manual
Zoom: 12x optical, 4x digital
LCD: 2.5" silicon TFT



The Corona Detector Camera on the right is shown with the optional Canon Powershot S-5-IS camera. The camera comes with its own Pelican Case, battery charger, and mounting adapter to insure proper alignment between camera and Corona Detector Camera. The tripod is not included; however a standard pistol grip can be attached to facilitate greater mobility.



Optional CCD Camera

Type: Sony XC-ST70 interline transfer
Sensor: Sony ICX-082, 2/3" format
CCD Pixels: 768(H) x 494(V)
Output Signal: RS-170 (NTSC)
Sensitivity: 0.05 lux