

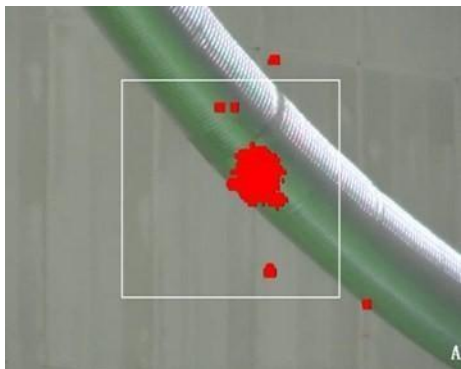
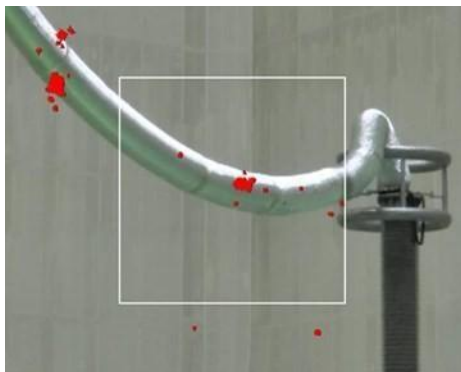
UV640-S

SATIR CORONA DETECTION CAMERA



The Corona Detection Camera is a practical tool for identifying electrical corona discharge in high-voltage systems. Ideal for power line inspections and substation maintenance, it combines UV and optical detection for accurate results.

Features include a wide field of view, auto-focus, overlay modes for UV and visible light, and a 5.5" touch display. With GPS, WiFi, and Bluetooth for easy reporting and an IP54 rating for outdoor use, it's designed for reliable performance in the field.



Key Features

- Wide Angle F.O.V.
- Multiple Communications
- Various Auxiliaries
- Innovative Design
- Practical Functions
- Automatic Result
- GPS/WIFI/BT
- 5.5 inch Touch Display

UV640-S Specifications

UV - OPTICAL PROPERTIES	
UV Spectral Range	240 ~280 nm
Our-of-Band Rejection	Provided, Can Be Used in Daytime Under Sunshine
Minimum Discharge Sensitivity	1 pC /10m
Minimum RIV Sensitivity	3.6dB μ V (RIV) @1Mhz @10m
Minimum UV Sensitivity	2.0 $\times$ 10 ⁻¹⁸ Watt/cm ²
Focus & Focus Range	Auto, 1.0m ~ ∞
F.O.V	20.0° * 11.2°
UV Integral Function	Provided, X2, X4, X8, X16
Gains	0-100%, Adjustable
Photons Counting	Provided
Counting Box	5 Kinds: Small, Medium, Big, Full Screen, Quad box
Alarm	Provided, Alarm Threshold Values Can Be Set
UV Frames Integration	On, selectable from a range Off
VISIBLE - OPTICAL PROPERTIES	
Focus & Focus Range	Auto, 1.0m ~ ∞
Minimum Visible Light Sensitivity	0.01 Lux
Zoom	Optical 4X, Digital 12X Continuous Zoom
Resolution	3840*2160
DISPLAY	
Modes	Combine (UV+VIS), UV only, Visible Only
UV/Visual Overlay Accuracy	0.9 mrad
LCD	5.5" Touch Screen, colour, under sunshine readable
Brightness	1000 cd/cm ²
Display Resolution	1920*1080
Corona Color	7 Kinds: Red, White, Blue, Yellow, Cyan, Green, Magenta
Status Information Display	Battery, Gains, Photons Counting, Focus Mode, Date, Alarm

PARAMETERS	DESCRIPTIONS
CONTROLS AND OPERATION	
Status Modes	Real Time, Standby, Power off
Continuous Operation	Continuous Operation, No Cooling System
Controls Command	One for One Keyboard Input
Flashlight	Provided, ON/OFF
Laser Rangefinder	Provided, 0.5-40m
Communications (Optional)	WIFI, 5G, Bluetooth
Temperature & Humidity Sensor	Provided
Auto naming	Provided
Auto Report	Provided
Input	Touch screen, Keypad hot keys & Menu
Output	Video Out (NTSC, Standard), Temp & Humadity Meter
SAVE AND PLAYBACK	
Video	Provided, MP4
Still Images	Provided, JPG
Data Save	Memory flash card Micro SD 64GB
Playback Function	Videos and Still Images
Audio Annotation	Microphone Voice Input
PHYSICAL PARAMETERS	
Battery	Rechargeable Battery
Working Hours	≥2.5h
Adapter	Universal DC 6V
Storage and Operation Temp	-20°C — +55°C
IP Grade	IP54
Dimensions L*W*H	30.0 × 15.5 × 11.2 cm
Weight	1.2 kg
Mounting Point	1/4"x20 Tripod Standard Interface
Configurations	Basic Units, 64G Card, Card Reader, Lens cap, Carrying Strap, AC-DC Adaptor, 2 Batteries, Carrying Case, Software, Manual