

TD100

Corona Camera

TD100 is the latest Solar-blind UV camera which enables optical detection of UV signal in full daylight. With the high sensitivity to UV in the solar blind range, it is a powerful tool for detecting weak UV signals from long distance.

Features

240nm-280nm, Solar blind

High sensitivity to UV signals

Precise location of corona emitting sources

Auto focus of UV and visible channels

Light weight 1.5kg, low power consumption

UV events counter

UVSee report software for documentation

Applications

Transmission line inspection

Electrical utilities inspection

HV substations

HV research institutes

HV electrical component inspection



Technical Specifications

Item	TD100
UV - Optical properties	
UV sensitivity	2.2x10 ⁻¹⁸ watt/cm ²
Minimum discharge detection	1 pC @ 10m
Minimum RIV sensitivity	3.6 dBuV @ 1MHz
Spectral range	240-280nm
FOV	7.2° x 5.4°
Focus	Auto/Manual
Zoom	2x, 4x(optional)
Focus range	1.5m~∞
Detector life span	No degradation
Visible - Optical properties	
Minimum visible light sensitivity	0.1 Lux
Color	Switch between color and BW
Focus	Auto/Manual
Focus range	1m~∞
Zoom	12x(Digital), 10x(Optical)
Image Performance	
Image display	Sun proof color LCD 5", 800×480
Image modes	Visible/UV/Combine
UV/Visible overlay accuracy	0.1 Lux
Status indicators	Battery, Memory, Gain, Counting, Date, Selected functions, Focus, Inspection mode, corona color, GPS (access.), Temp
User configuration settings	Corona color (White, Red, Green, Yellow, Purple) Time, Sleep Mode, LI, LCD Parameters
Image Storage	
Image format	JPG
Video format	AVI
Media download	Via Card Reader, WIFI, USB, WIFI SD Card
Audio	Stored with image
Playback	Video/Pictures/Audio
SD card	Removable SD card 32GB
Software upgrade	Via files downloaded from website to SD Card
Storage capacity	1000+ images or >1 hr video/1GB
Control & Operation	
Working modes	Real time, standby, off
Control inputs	Keypad and hot keys
Output Interface	
Video output	CVBS/HDMI(optional), PAL
Micro USB	Data transfer, communication
USB	USB WIFI
Tripod	1/4"-20
Power System	
External power	DC: 9V~12V
Battery type	Rechargeable Li-Ion
Operation runtime	4hours
Power consumption	9W
Mains adaptor	AC:110V~240V or DC: 50Hz~60Hz/9V 3.8A
Environmental Data	
Operation temp range	-15 °C~+50°C
Storage temp range	-25 °C~+60°C
Humidity	90% (non-condense)
Encapsulation	IP54
EMC	CE, IEC1010-1
Physical Characteristics	
Size	290mm×136mm×86mm
Weight	1.38kg
Packing	
Standard	Corona camera UVSee TD100, CD-ROM (UVSee software and manual), USB Cable
Option	Tripod