

# TD100

## Corona Camera

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**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

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240nm-280nm, Solar blind

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High sensitivity to UV signals

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Precise location of corona emitting sources

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Auto focus of UV and visible channels

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Light weight 1.5kg, low power consumption

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UV events counter

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UVSee report software for documentation

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### Applications

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Transmission line inspection

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Electrical utilities inspection

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HV substations

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HV research institutes

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HV electrical component inspection

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## Technical Specifications

Item	TD100
<b>UV - Optical properties</b>	
UV sensitivity	2.2x10 <sup>-18</sup> watt/cm <sup>2</sup>
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
Resolution	640 x 480
Zoom	2x, 4x(optional)
Focus range	1.5m~∞
Detector life span	No degradation
<b>Visible - Optical properties</b>	
Minimum visible light sensitivity	0.1 Lux
Color	Switch between color and BW
Focus	Auto/Manual
Resolution	640 x 480
Focus range	1m~∞
Zoom	12x(Digital), 10x(Optical)
<b>Image Performance</b>	
Image display	Sun proof color LCD 5", 800x480
Image modes	Visible/UV/Combine
UV/Visible overlay accuracy	< 1 milliradian
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
<b>Image Storage</b>	
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
<b>Control &amp; Operation</b>	
Working modes	Real time, standby, off
Control inputs	Keypad and hot keys
<b>Output Interface</b>	
Video output	CVBS/HDMI(optional), PAL
Micro USB	Data transfer, communication
USB	USB WIFI
Tripod	1/4"-20
<b>Power System</b>	
External power	DC: 9V~12V
Battery type	Rechargeable Li-Ion
Operating runtime	4hours
Power consumption	9W
Mains adaptor	AC:110V~240V or DC: 50Hz~60Hz/9V 3.8A
<b>Environmental Data</b>	
Operation temp range	-15 ~+50°C
Storage temp range	-25 ~+60°C

Humidity	90% (non-condense)
Encapsulation	IP54
EMC	CE, IEC1010-1
<b>Physical Characteristics</b>	
Size	290mm×136mm×86mm
Weight	1.38kg
<b>Packing</b>	
Standard	Corona camera UVSee TD100, CD-ROM ( UVSee software and manual),USB Cable
Option	Tripod

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