# **TD100 Corona Camera**

ULIRVISION TD100 is an innovative NDT - Non Destructive Testing equipment, which detects, pinpoints and documents flash-arc corona and arcing partial discharge camera. Being with high sensitivity, it is a power tool to detect UV emission in full daylight with high signals from faraway and nearby sources. TD100 is an ideal predictive maintenance device for overhead transmission lines and high voltage substations. It is widely used in Transmission line inspection, electrical utilities, HV research institutes, HV Electrical component inspection, HV panel inspection, service providers, laboratories and so on.

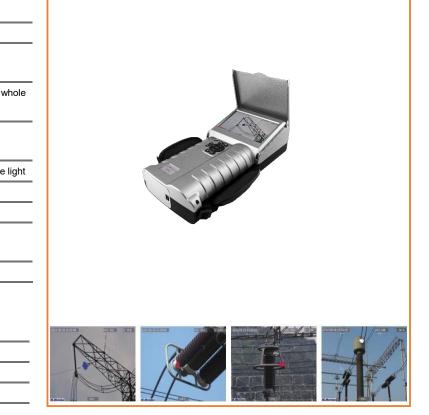
#### **Features**

High sensitivity up to 2.2 × $10^{-18}$ watt / cm <sup>2</sup>	
Noise interference is small, using solar-blind	
detector	
Accurate superposition and positioning of the whole	
area of ultraviolet and visible light	
Hand-held inspection, easy to complete the	
inspection	
Synchronous focusing of ultraviolet and visible light	
SD card online upgrade function	

- High integration and low power consumption
- Professional report analysis software, more
- conducive to on-site situation analysis
- Small size, light weight, easy to operate

### **Applications**

- Transmission line inspection Electrical utilities inspection
- HV substations
- HV research institutes
- HV electrical component inspection



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تهران، بلوار کریمخان زند، شماره ۲۰۱۳، واحد ۴، کد پستی: ۱۵۸۵۶/۸۳۷۲۵ | تلفن: ۸۸۸۱۳۱۰۱ | فاکس: www.fmg-tech.ir | info@fmg-tech.ir / ۱۸۸۵۶/۸۳۷۲۵ | فاکس: ۱۵۸۵۶/۸۳۷۳۵ Flat 4, No.103, Karimkhan Zand Ave., Tehran=1585683735, Iran | Tel: +98(21)88813101 | www.irtc.com | E-mail: info@irtc.com

Item	TD100
UV – Optical Properties	
UV sensitivity	2.2×10 <sup>-18</sup> watt/cm <sup>2</sup>
Minimum discharge detection	1.0pC@15m
Minimum RIV sensitivity	3.6 dBµV @ 1MHz
Spectral range	240-280nm
FOV	6.4° x 4.8°
Focus	Auto/Manual(Follow visible light)
Zoom	
Focus range	
Detector life span	No degradation
Visible – Optical Properties	0.4 Line
Minimum visible light sensitivity	0.1 Lux
Color	Auto switch between color and BW
Focus	Auto/Manual
Focus range	1m~∞
Zoom	12x(Digital), 10x(Optical)
Image Performance	
LCD screen	Visible LCD screen 5" touch screen under sunlight, 1280×720
Image modes	Display only ultraviolet light image/display only visible light image/combination of visible ligh
	and ultraviolet light ≤1mrad
UV/Visible overlay accuracy	
Status indicators	Battery power, gain, photons, date, focusing mode, stacking module, GPS
User configuration settings	Corona color (White, Red , Green, Yellow, Purple) , Time, Sleep Mode, Alarm threshold
Image Storage	150
Image format	JPG
Video format	AVI
Media download	Via Card Reader, USB
Audio	Sync with video/Note in picture
Playback	Video/Pictures/Audio
SD card	Maximum 32G
Software upgrade	SD card online upgrade
Storage capacity	1000+ images or >1 hr video/1GB
Control& Operation	
Working modes	Real time, standby, off
Control inputs	Key, touch screen, USB (optional)
Output Interface	
Video output	HDMI
Micro USB	Micro interface, video direct transmission, communication

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Bluetooth/WIFI	Yes
Tripod	1/4"-20
Power System	
External power	DC: 9V~12V
Battery type	Lithium battery (rechargeable)
Operation runtime	4h continuous (normal temperature)
Power consumption	10W
Mains adaptor	AC:110V~240V or DC: 50Hz~60Hz/12V 3.8A
Environmental Data	
Operation temp range	-20°C~+50°C
Storage temp range	-25 °C~+60°C
Humidity	90% (non-condense)
Encapsulation	IP54
Physical Characteristics	
Size	290mm×136mm×87mm
Weight	1.39kg
Packing	
Standard	Corona camera, battery, charger, SD card, SD card reader, video cable, USB cable, adapter
	USB flash drive, safety box, headset manual, warranty card, certificate
Option	Tripod
Quality assurance	
EMC	CE, IEC1010-1

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نهران باوار کریمخان (در شماه ۲۰ ارواد ۲۰ کدیستی ۲۵۸۵/۱۳۷۵) فن آوران مادون قرمز (سهامی خاص) نطنی ۲۰۰۱ مالکس ۲۰۰۰ مالکس ۲۰۰۱ مالک از مالدون قرمز (سهامی خاص) آندا در ۲۰۰۸ مالک ۲۰۰۸ مالکس ۲۰۰۰ مالک ۲۰۰۰ آندا در ۲۰۰۸ مالک ۲۰۰۰ مالک ۲۰۰