

TD120

Dual FOV Corona Camera

The TD120 utilizes all day blind technology, high sensitivity, strong anti-interference ability, and is not affected by sunlight.

It features uv dual-field optical zoom, capable of full-field detection at both near and far distances. Compact and ergonomic in design, it offers simple operation and easy navigation with an intelligent menu. When combined with professional analysis and reporting software, it provides effective assistance for preventive testing in substations and high-voltage transmission and distribution lines.

Features

UV sensitivity reached 2.0×10^{-18} watt/cm²

Supports UV dual FOV, 2x optical zoom

Accurate overlay of UV and visible light, auto synchronize focusing

Noise interference is small, using solar-blind detector

Unique UV enhancement mode, detecting small discharges

Ergonomic design, intelligent menu

Equipped with environmental sensors, 500m laser ranging

High integration, low power consumption, single battery usage for 4 hours

Professional report analysis software, more conducive to discharge analysis

Applications

Power industry

Electrified railway

Research institutions



ULIRVISION

Technical Specifications

Item	TD120
UV-Optical properties	
Minimum UV sensitivity	2.0 x10 ⁻¹⁸ watt/cm ²
Minimum discharge detection	1.0pC @15m
Spectral range	240-280nm
FOV	11.2°x8.4°/5.6°x4.2° Dual FOV
Photon counting	Support
Amplification	2X(optical), 4X, 8X
Visible light optical properties	
Minimum visible light sensitivity	0.01LuX
IR resolution	1920x1080
Amplification	18X optical zoom, 16X digital zoom
Image Performance	
LCD	5.5" AMOLED LCD screen
UV enhancement mode	Support
Interface	
Video output	HDMI
Laser Ranging	500 meters, can be synchronized
Proximity sensor	auto screen off
Temperature and humidity sensors	Yes, auto synchronization
Type-C	Data transmission
BLUETOOTH/ WIFI/ GPS	Yes
4G	Support extension (domestic version)
Tripod mount	1/4"-20
Power System	
External power	DC:9V-12V
Battery type	Lithium batteries (rechargeable)
Battery operating time	4h continuous (room temperature)
Environment Parameters	
Operating temperature range	-20°C~+55°C
Storage temperature range	-30°C~+60°C
Humidity	90%(non-condensing)
Protection level	IP54
Physical data	
Size	305mmx169mmx160mm
Weight	2.5kg
Packing	
Standard	Corona camera, battery, charger, SD card, SD card reader, video cable, USB cable, adapter, USB drive, safety box, headphone manual, warranty card, certificate
Optional	Tripod
Quality assurance	

