

Stone UV34

Hand-held Solar-Blind Corona camera



UV34 Detailed information



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Stone series UV34

Smart Hand-held UV corona camera



Introduction

The Stone UV34 is a hand-held high sensitivity solar blind corona camera, designed to be superior to those currently found in the market, having a small and light-weighted body and employing the latest new generation AI processor.

This product combines multiple technologies such as VR, IoT and Cloud services, low-temperature lithium batteries technology, Low power consumption and the support of various operating modes. Therefore creating the ideal hand-held corona discharge detection system.

Application environment

1. Substation inspection.
2. Power distribution and transmission line inspection.
3. Other short-distance scenarios in which the partial discharge detection is necessary.

Work mode

1. Low power consumption fast scan mode: In this mode, the user can perform a fast scan of the are of interest.

In case it finds a Corona discharge that exceeds a programmed value, the device will emit an alarm, notifying the operator that a Corona discharge has been spotted.

2. Controlled by the mobile APP mode: While in this mode, the user can connect the device to a mobile device through a specialized App (Via hot spot), therefore, being able to control it, stream the device source and save videos taken from the device.

The display, EO camera, WiFi between another systems, are all turned off while in this mode, reducing the overall energy consumption.



3. Remote controlled mode: Using the mobile App, it is possible to remotely control the device zoom, UV colors, source color, alarm values, between other properties. All this without the necessity of being on the field.

Parameters

Stone UV34			
UV wavelength	240-280nm	UV sensitivity	$3 \times 10^{-18} \text{W/cm}^2$
UV resolution	720x480	UV angle of view	19° x14°
VL wavelength	480-780nm	UV Focal length	4.9-49mm
VL Zoom	10X	VL Resolution	1920x1080
Inspection distance	50m	Red dot sight	Supported
Buzzer alarm	Support	Color switching function	Color/BW , UV 7 colors
Weight	1.4kg	Battery endurance	3h
Working temperature range	-20°C~50°C	IP Rating (Protection Level)	IP43

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