ZH480-UAV

Drone Carried UV Camera

High Sensitivity

Out-of-band Rejection

Auto Report

High Efficiency

Compact Lightweight

Wide Application

ZH480-UAV Drone Carried UV Camera is configured with a special PTZ and UV imager host, combined with DJI PSDK development, fast docking with M300RTK, with good seismic resistance and stability. The flight testing is very convenient and can be performed day or night for precise positioning, display and photon counting. ZH480-UAV drone carried UV camera can be used for prospective and pre-maintenance strip testing of operating equipment on transmission and distribution lines and substations; it can also be used in railroads, petroleum, fire prevention, emergency rescue, inspection services and other industries.

Features

High Sensitivity Detector

Using high-performance UV detector, can detect the tiny corona discharge day and night.

Accurate Positioning

Adopt high-precision image fusion algorithm, accurately locating the discharge position, quantitative intensity.

One-man Operation

Adapt to DJI M300RTK, one-man operation while controlling the drone, PTZ and UV host

Highly Integrated Design

1280*720 HD UV and VIS images, host within 1kg, endurance up to 40 minutes

Counting Functions

Five counting modes: full/quad/large/medium /small, threshold alarm, accurate positioning discharge.

Quality Service

1 year warranty, 24h response; UV imaging trainer and drone pilot licensed to work

Specifications

UV properties

Spectral Range	240 ~ 280 nm
Discharge Sensitivity	1Pc@10m
RIV Sensitivity	3.6dBμV (RIV) @ 10m
UV Sensitivity	2.0×10^{-18}watt/cm^2
F.O.V.	12.6° ×7.2°, 5° x 3.75°
Focus	Auto，1.5m ~∞
VIS Sensitivity	0.1 Lux

Display and output

Display Mode	UV、VIS、Fusion
Overlay Accuracy	≤ 1mrad
Display	M300/M350 flight control
Image	jpg
Video	AVI
Resolution	1280×720
Gain	0-100%
Photon Counting	5 modes，Full/Large/Medium/Small/Qaud
Status Information	Date、Time、Gain、Counting、Alarm
Alarm Threshold	Provided

Drone (Optional)

SIze	Unfold 810×670×430 mm、Fold 430×420×430 mm
Weight	3.6kg、6.3kg(With two batteries)
Maximum Load	2.7kg
Maximum Flight Altitude	5000m
Maximum Wind Speed	15m/s
Maximum Flight Time	55min
IP Rating	IP45

Environmental

Operation Temp	-20 - +55℃
Operation Humidity	≤ 90%RH

Products