Counter-UAS System

UADS-ZG 33

Key Features

- Integrated Detection and Countermeasure: The system scientifically combines radio detection and radio countermeasure systems into one device, enabling the detection, identification, and jamming of drones.
- Capable of accurately detecting, identifying, and jamming over 95% of drone models on the market, including DJI series, WIFI, and FPV drones. Once the drone detection module monitors nearby drone activity and confirms the target through the drone identification module, the system can automatically trigger the jamming module.
- Multi-Target Handling: Supports simultaneous detection and identification of multiple targets, displaying the trajectories of each target in real-time, and can jam and counter multiple drone targets.
- 7×24 hours automatic detection and countermeasure can be set according to the plan, unaffected by adverse weather conditions, and requires no human oversight.
- Jamming Mode: 360° omnidirectional jamming.

Specifications

performance parameter	
product model	UADS-ZG 33 inspection and strike integrated system (full frequency)
Detect technical parameters	
Detection frequency band	20MHz -6GMz
Detection radius	≥5km
Identify radius distance	5km km, can identify the brand and model of UAV
Detection Angle	360°
Detection angle accuracy error (mean square root)	1° from 5km or above
UAV radio Intercepting response time	≤2s
Minimum detection height	≤0m
Probe success rate	≥99%
Also detect the number of drones	Virus 60
Can detect and identify the different protocols	LightBridge1, LightBridge2; Ocusync; WIFI and WIFI variant;
Non-database of black-flying drones	Capable of detection
False alarm rate requirements	Continuous detection for 2 hours, and the alarm rate is less than 1 flight without the flight state of the UAV in the detection range
levels of protection	≥IP66
Log saving function	Adventitia 5 years
Host weight	≤12kg
Interference technical parameters	
Interference frequency band	20MHz -6GMz
Interference radius	3KM in open area and 1KM in urban environment (depending on the model and environment)
Interference link	① Satellite navigation link ② uav wireless telemetry link ③ uav wireless map transmission link
antenna	High-gain omnidirectional antenna

Specifications

Interference mode	Fixed frequency interference
Interference frequency band and power division	2390MHz-2510MHz
	5708MHz-5872MHz
	1552MHz-1632MHz
	900MHz
Equipment host weight	≤60kg
Device host size	63×50×35cm
power dissipation	1500W
working temperature	-25~+55°C
Working humidity	80%±3

Application scenario