

Counter-UAS System

UADS-ZG12PLUS



Key Features



- Secondary Frequency Conversion and Intermediate Frequency Digital Processing Technology: Combines the advantages of traditional analog receivers and modern digital receivers.
- Detection Covers 95% of Market Drone Models: Once the drone detection module detects drone activity nearby and confirms the target through the drone identification module, the system can automatically trigger the jamming module. High sensitivity, with detection distances generally reaching over 70% of the drone's image transmission distance when using a 6dBi antenna, and over 50% when using a 3dBi antenna (depending on the usage scenario).
- RF Front End with Professional Limiter: Ensures normal operation near the jammer without damage.
- Extremely Low False Alarm Rate: Especially in complex electromagnetic environments, superior to other equipment that uses spectrum feature comparison.
- Jamming Mode: 360° omnidirectional jamming.
- Jamming Links: ① Satellite Navigation Link; ② Drone Wireless Telemetry Link; ③ Drone Wireless

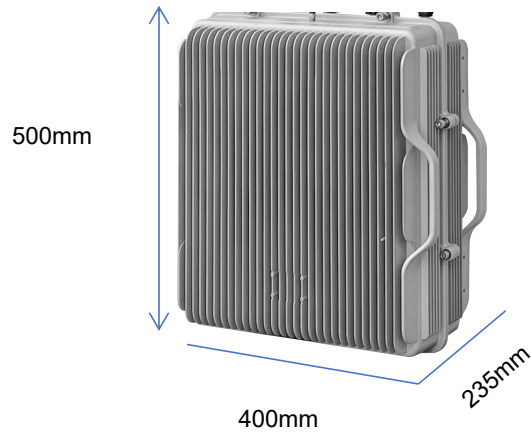
Specifications

Performance Parameters		
Product Model	UADS-ZG12 Integrated Detection and Marking System	
Detection of technical parameters		
Detecting Frequency Bands	2400~2500MHz	
	5150~5850MHz	
Detection radius	1.5km (2dBi antenna/ DJI Elf 4Pro V2.0/50m high)	
	3km (8dBi antenna/ DJI Elf 4Pro V2.0/100m high)	
scanning period	2.1~5.25 seconds can be set	
misreporting rate	Urban complex electromagnetic environment ≤ 1 time/24 hours	
Alarm Delay	1.5s delay in all bands	
Interference technical parameters		
interference band	5.8G\2.4G\1.5G\0.9G\1.2G\5.1G	
radius of interference	Open area ≤ 3 KM, urban environment ≤ 1 KM (depending on model and environment)	
interference link	① satellite navigation link ② UAV wireless telemetry link ③ UAV wireless mapping link	
connection with high-ranking officials	High gain omni-directional antenna	
interference pattern	frequency fixing	
Interference banding and firing power	Frequency range (customizable)	firing power
	2.4GHz	100W
	5.8GHz	100W
	1.5GHz	30W
	900MHz	100W
	5.1GHz	20W
	1.2GHz	30W

Specifications

Device mainframe parameters	
Equipment main body weight	≤30kg
Equipment mainframe size	500x440x235mm (without antenna)
Supply Voltage	AC220V
power wastage	≤2000W
operating temperature	-30 to +70°C (refer to "Derating Curve")
Operating humidity	20~90%RH non-condensing

Equipment size



*Please refer to the actual product. The equipment provides different customized styles.