

Counter-UAS System

UADS-ZG12



Key Features



- Adopts secondary frequency conversion and intermediate frequency digital processing technology, combining the advantages of traditional analog receivers and modern digital receivers.
- Covers 95% of the drone models on the market. Once the drone detection module monitors drone activity nearby and confirms the target via the drone identification module, the system can automatically trigger the jamming module. With high sensitivity, the detection distance can generally reach more than 70% of the drone's transmission distance using a 6dBi antenna and more than 50% using a 3dBi antenna (specific to the usage scenario).
- The RF front end is equipped with a professional limiter, which can operate normally near the jammer without damage.
- Interference links: ① Satellite navigation link; ② UAV wireless telemetry link; ③ UAV wireless mapping link.

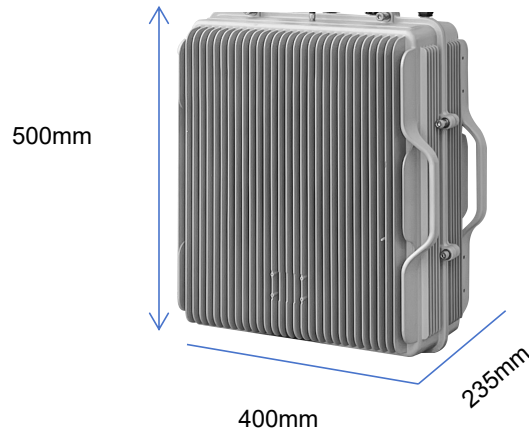
Specifications

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	
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
	2390MHz-2510MHz	100W
	5708MHz-5872MHz	100W
	1552MHz-1632MHz	30W
	900MHz	100W

Specifications

Device mainframe parameters	
Equipment main body weight	≤30kg
Equipment mainframe size	500x440x235mm (without antenna)
Supply Voltage	AC220V
power wastage	≤1600W
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.