

Omini basestation drone jammer

model: SA-WDJ04

This is high-power stationary drone countermeasure equipment. It adopts cast aluminum chassis as the main machine shell, which is wear-resistant, scratch-resistant, waterproof, and is more conducive to heat dissipation.

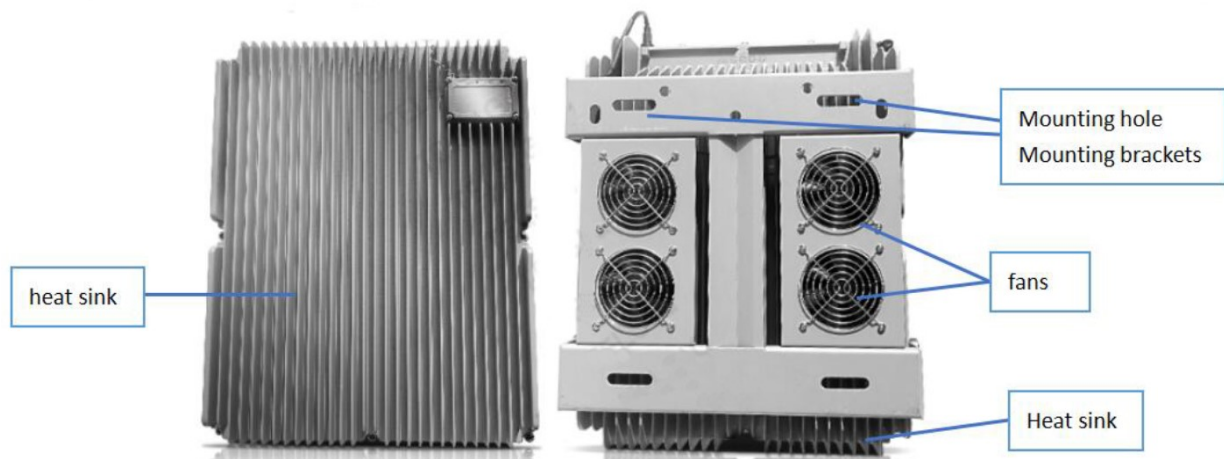
In order to achieve a better interference effect, this machine replaces the original omnidirectional fiberglass antenna with a multi-port plate-shaped directional antenna. The combination of five directional antennas makes the device capable of omnidirectional interference. The interference range can reach 1000-2000 meters, and the frequency and power of UAV countermeasure equipment can be adjusted according to shielding needs, and customization supported.



Product Introduction

1. Cast aluminum chassis jammer box

- The cast aluminum chassis shell is sturdy and durable, resistant to friction, high temperature, sand and rain.
- Dense heat sinks and four large-leaf fans on the outside of the chassis promote the rapid heat dissipation of the equipment and ensure the normal operation of the equipment
- There is a mounting bracket on the back, which is convenient for device installation. It supports wall or pole installation



2. Main parameters of equipment

model	SA-WDJ04
Jamming range	1000-2000meter (depends on different drone model)
Output power	240W
Power consumption	500W
Chassis size	530*410*230
Antenna size	600*40(0.4Kg/per)
Net weight	28Kg(notincluding antenna and accessories)
Operating temperature	-40°C~75°C
operating hours	24 hours continuous use
Relative humidity	35~85%
Installation method	Wall-mounted or with bracket installation
Suitable for installation height	3~15m
Chassis material	Aluminum alloy
Accessories	Corresponding to antenna, Huawei lightning protection device, waterproof tape, cable tie, etc.

3. Power and module


The device contains 2 pcs 2.4GHz modules and 2pcs 5.8GHz modules, and 1pcs GPS module. Maximize the reduction of power loss and maximize the power efficiency of the module. So as to better improve the transmission distance.

Output port	frequency	Output power	Channel output power
2.4G	2400-2485MHz	50 dBm±2	43dBm/30KHz (min)
2.4G	2400-2485MHz	45 dBm±2	37dBm/30KHz (min)
5.8G	5720-5850MHz	47 dBm±2	37dBm/30KHz (min)

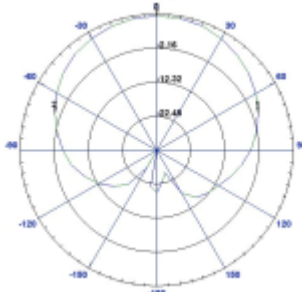
5.8G	5720-5850MHz	45 dBm±2	40dBm/30KHz (min)
GPS	1570-1620MHz	47 dBm±2	37dBm/30KHz (min)
Power supply:AC220V-DC24V		range:up to 2000m depends on drone model	

4. Antenna

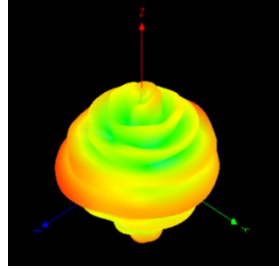
Electrical Specifications	
FrequencyRange	1.5ghz/2400-2500/5150-5850MHz
Gain (dBi)	8/10±1dBi
VSWR	≤1.5/≤1.8
Polarization	Horizontal and vertical
Horizontal Beamwidth (0°)	360°
Vertical Beamwidth (0°)	15±5°/7±5°
Front-to-back ratio(dB)	23≥
intermodulation(dBm)	(2@37dBm) ≤ -107dBm
Electrical lower inclination(0°)	0°
Input Impedance (Ω)	50Ω
Maximum input power(W)	100W
Input connector type	N-K
Lightning Protection	DC Ground
Mechanical Specifications	
Dimensionsmm(Height/Width/Depth)	600*40mm
Antenna weight(kg)	0.4Kg
Rated Wind Velocity (m/s)	60m/s
Operational Humidity(%)	10-95
Radome Color	black
Radome material	UPVC
Operating temperature(°C)	-30~70 °
Installation Method	Chassis installation directly



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Instructions for use

Model	signal	Frequency band	status	Note
returning	2.4G	2400-2500MHz	on	Since GPS will affect civil aircraft, GPS is not recommended to be always on
	5.8G	5700-5900MHz	on	
landing	Gps/2.4G/5.8G	1570-1620MHz	All on	

1. Turn on the power, turn on the WiFi and 5.8G switch, the switch indicator lights up, the switch device can work

2. Interference mode: "returns" That is, when the device is activated, the drones flying within the interference range will automatically return home and cannot fly freely in the interference area



3. note

- Factors that affect the actual shielding range and effect include the distance of the base station, the presence of obstacles, the installation method and the installation angle, etc.
- This device only interferes with and shields the drone signal, and will not affect the normal use of the surrounding electronic equipment

UAV jammer application

- Government, prison, army, police, detention center, other law enforcement applications
- Infrastructure construction, car filling stations, oil depots, natural gas stations, airports, drug rehabilitation centers, national security agencies, etc.
- Public places and large-scale events: sports events, important meetings, etc.
- Schools, examination rooms, libraries, theaters, cinemas, churches, hospitals, etc.
- Personal privacy protection, etc.