

Handheld drone detection equipment

1. Summarize

Handheld UAV detection device, as a UAV detection processing platform, can be used for UAV detection. Its principle is based on spectrum sensing and artificial intelligence technology to identify and classify the flight control link and graph transmission link of the UAV, which can give other devices the UAV detection capability.

Product picture:



Product Application:

- * UAV detection integrated product (increase UAV detection capability)
- * Handheld UAV detection integrated product (increase UAV detection capability)
- * Upgraded vehicle-mounted drone countermeasures (increased drone detection capability)
- * Omnidirectional drone countermeasure product upgrade (increased drone detection capability)

2. Product characteristics

- 1) The equipment has the ability to work independently, which can work as an independent unit, and can also be connected to other systems for collaborative work;
- 2) Modular design of equipment, can quickly carry out secondary development, strong scalability, independent operation, can also be adapted to a variety of equipment to give its UAV detection and identification capabilities;
- 3) The equipment adopts special processing algorithm to effectively reduce the false alarm rate of the equipment, and the false alarm rate can be no more than 1 time per day, which has the advantage of low false alarm rate compared with other similar products;
- 4) The equipment adopts spectrum sensing and artificial intelligence technology, which can detect and identify most of the civilian drones on the market, including mainstream UAV brands at home and abroad, homemade drones, and time-crossing aircraft;
- 5) Real-time detection of UAV signals in the environment, early warning of UAV invasion;
- 6) The device can be upgraded remotely to meet different application requirements;
- 7) Equipment RF interface adopts standard SMA connector, stable RF performance, firm contact to reduce loss;
- 8) The device has a variety of interfaces, including 100 megabit network port, serial port (4pin) and USB port (4pin), which can be adapted to more devices, and the data interaction is more diversified and fast;
- 9) The device has a screen interface, which can be connected to the LCD keyboard option of the corresponding model by wiring to display relevant data and set parameters;
- 10) The use of aluminum alloy as the equipment shell, can be a good heat dissipation;
- 11) There are mounting holes on the equipment, which can be easily installed in the equipment that needs to be expanded.

3. Specification parameter

No.	Item	Specification	Note
1	Detection UAV types	Dji series drones, Channel series drones, crossing machines, DIY picture transmission drones and WIFI drones	It can be updated later
2	Detection frequency	600MHz - 1.4 GHz, 2.4GHz, 5.2GHz, 5.8GHz	adjustable
3	Detection range	0-1500m	The target aircraft is DJI air2
4	Antenna gain	3dBi	
5	volume	120*60*24mm (without antenna)	
6	weight	(210±10)g	Without antenna
7	Working temperature	-20~+65℃	
8	voltage range	9-36V	28V is recommended
9	Power	5±0.5 w	

Note: In indicator 3, the antenna used is 2.4G/5.8G dual-frequency fiberglass antenna, and the detection distance will fluctuate within a certain range depending on the use environment.

4. Packing picture

