



NovoQuad
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Brochure

Worldwide Release

ND-BD005

High-End Handheld Anti-Drone System





System Overview

ND-BD005 High-End Handheld Anti-Drone System is an upgraded and comprehensive version of portable anti-drone system, which integrates detection, countermeasure, control and display all in one. It can effectively counter the new 4G and 5G drones within a long distance, forcing them to hover, return and drive away. The system is able to realize pre-warning, rapid disposal and evidence collection of the invading drones.

ND-BD005 is small in size, light in weight and has good maneuverability. It supports multi-device AD hoc networking, multi-level interconnection with the back-end command and control platform of the anti-drone system. It also can be deployed in conjunction with other anti-drone devices to provide intelligent and integrated low-altitude security solutions.

System Features

- Passive detection and directional control

It provides full-band detection from 300MHz to 6GHz, and can accurately identify most consumer drones, Wi-Fi toy drones, DIY flying machines, analog/digital image transmission and other more than 100 models; It adopts directional jamming antenna design with strong directivity and long jamming distance.

- Detection and interference all in one

It integrates radio detection and interference suppression in one device, and has full-band interference capabilities from 300MHz to 6GHz. It can effectively deal with most types of consumer drones and unconventional drones, forcing them to hover, return and drive away.

- Intelligent touch control and easy to operate

It is equipped with a touch screen, which can display information such as drone model, orientation, reference distance, target screen, etc. Operator can also adjust the system settings such as system parameters, black and white list, historical data, and version updates through the touch screen.



Technical Specifications 1

	Item	Parameter
Detection	Detection system	Radio passive detection
	Detection signal type	Drone digital transmission signal, drone remote control signal, Wi-Fi-based drone signal
	Target drone types	Most conventional consumer drones, some unconventional drones, some fixed-wing drones, and some flying machines
	Detection coverage band	0.3-6GHz
	Radio detection distance	≥3km (open environment)
	Time to discover drone	≤3s
	Alarm mode	LED display, sound alarm, screen display
	Direction finding capability	Confirm the direction of the drone
		Direction finding accuracy: ≤10°
	Direction finding method	Through the alarm sound frequency and the received drone signal amplitude (screen display)
	Position accuracy	DJI drone: ≤2m (open environment, 0.1W transmitting power of target drone) DJI drone remote control: ≤2m (open environment, 0.1W transmitting power of target drone)
	Remote control detection function	Able to detect the location of the drone remote control, and display its latitude and longitude coordinates, direction, pitching angle and other information. Support displaying the position track of the remote control.
	Drone serial number recognition	Support identifying DJI drone serial numbers. After the target drone switches the working frequency, the system also can identify it as the same drone



Technical Specifications 2

Interference	Key jamming frequency bands	0.3-2GHz, 2-2.7GHz, 2.4-5.5GHz, 5-6GHz
	Software-definable frequency bands	Software-definable interference channels in the full frequency band from 300MHz to 6GHz
	Jamming distance	≥2km (0.1W transmitting power of target drone)
	Interference to signal ratio	≥3:1
	Antenna type	Directional antenna
	Transmission power	Each frequency band ≤45dBm
	Jamming effective time	≤5s
System	Application method	Handheld, backpack
	Power supply	Built-in lithium battery 24V power supply, 2 pieces as standard; External DC power supply
	Display mode	4-inch touch screen display
	Battery life	Continuous working time: ≥1 hour
		Standby time: ≥24 hours
	Networking function	Support 4G wireless networking, multiple devices can be connected to the back-end command and control platform to implement multi-point collaborative tasks
	Dimensions	≤650 x 120 x 250mm
	Weight	≤7kg
	Operating temperature	-40°C-60°C
	Protection grade	IP66

All specifications are subject to change without notice. Pictures for reference only.

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