NovoQuad
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Brochure
Worldwide Release

ND-BD003

Handheld Anti-Drone System

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System Overview

ND-BD003 Handheld Anti-Drone System integrates detection, countermeasure, display, control and power supply all in one. Traditional anti-drone jammers have to rely on external detection devices or human visual searching to detect drones, these external devices require pre-operation assembly, and human visual searching causes a large workload and easily misses targets. However, with highly integrated detector, this anti-drone jammer overcomes these shortcomings and significantly improves the operational efficiency.

With small size, light weight and good mobility, the system is suitable for low-altitude protection tasks for important meeting, large event and daily patrol in fixed places. It offers quick response for cooperative deployment with other stationary anti-drone systems.

System Features

- Programmable
  Software defined jammer, interference frequency could be customized based on demands.

- Target direction finding and warning
  After identifying the drone target, the system will give sound and light warning, and display the drone model, drone communication frequency, signal strength and other information on the interference gun LED screen.

- Passive detection and directional control
  It adopts radio detection, which can detect 2.4GHz and 5.8GHz mainstream drones in the market. The directional interference antenna design has strong directivity and long interference distance.

- APP control platform
  The system supports type-c interface and can be connected to mobile terminal (Android) via USB cable, which realizes information interaction between the system and APP control platform, and further enables system parameter setting, acquisition of drone target information and video record function by APP control platform.

- Removable battery
  The battery is detachable for quick replacement, which can be charged externally or by inserting a charger inside the device.

- Portable and easy to use
  It adopts lightweight materials and one-button start design, easy to carry, simple to operate, readily available.

- Safe to operators and green to environment
  With low transmitting power, the system has low impact on electromagnetic environment. Further, the system only works after detecting target drones, and enters the standby mode in the rest of time.

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

Technical Specifications

Detection frequency band	2.4-2.48GHz, 5.725-5.85GHz
Jamming frequency band	The jamming function covers a wide frequency range, mainly covering 0.4-2GHz, 1.52-1.62GHz, 2.4-2.48GHz, 5.725-5.850GHz, of which 0.4-2GHz is software defined frequency band. With broadband design, 0.4-2G frequency band can be covered via broadband digital sweep source and wideband power amplifier.
Jamming output power (68W)	0.4-2GHz, 20W
	GPS L1, 8W
	2.4-2.48GHz, 20W
	5.725-5.850GHz, 20W
Effective detection distance	1km
Effective interference distance	1km (0.1W transmitting power of target drone)
Interference to signal ratio	<10:1
Coverage area	Azimuth: ±20°; Elevation: ±20°
Working hour	Continuous working time: >1h; Standby time: >6h
Dimension	500mm x 300mm x100mm
Weight	≤3.3kg (battery included)

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