LZ TECH

HDJS 3.0

All-in-one Portable Device

Handheld UAV detection/jamming/Spoofing all-in-one equipment

(CRPC®, Cognitive Radio Protocol Cracking)

Features Overview

Intelligent Situational Awareness Platform

5.5-inch screen visualizes drone flight paths, precise locations, and surrounding terrain information—enabling informed, accurate defensive decisions and full control of low-altitude airspace

Dual GPS antenna azimuth direction finding

Dual GPS antenna direction finding technology can accurately lock the direction of invading drones, providing accurate guidance for jamming and decoying operations

Beyond-Visual-Range Precise Targeting

Integrated real-time target-locking system with a wide FOV targeting frame, enabling rapid and accurate engagement of beyond-visual-range threats

Dual Hot-swappable Battery System

Innovative dual-battery hot-swap design ensures uninterrupted operation. Replacing batteries without powering off the device—eliminating any risk of defensive gaps caused by power depletion.

Rapid UAV Signal Direction Finding

Capable of quickly determining the bearing of unknown drones, providing essential guidance for subsequent accurate jamming and interception.

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Key Advantages

HDJS-3.0 is an integrated handheld UAV jamming device that integrates detection, accurate identification, and efficient countermeasure technology. It can quickly capture and accurately analyze the characteristic information of invading drones, achieving early warning of potential threats. It has built an all-round and multi-level defense closed loop from identification and early warning, direction finding and positioning to jamming suppression and navigation and deception, providing a solid guarantee for low-altitude safety in key areas.

The device integrates LZ Tech's core CRPC technology, which not only effectively detects conventional drones, but also accurately captures high-speed, low-altitude, and small-target unconventional drones such as traversers and FPVs.

The device has a flexible strike mode, providing users with two modes of target strike: directional mode and aiming mode. The device provides users with multiple jamming strategies, automatic jamming modes: intelligent lock identification target, maximizing interference suppression range, and minimizing collateral effects. Manual Interference Mode: Allows users to customize the interference frequency band, flexibly adapting to different environments and task requirements.

Specifications

HDJS 3.0	
Detection Bands	400MHz~6GHz
Detection Distance	0 ~ 3km (Differences exist due to different deployment environments and drone types)
Direction Finding Accuracy	≤10° (RMS)
Jamming Distance	0~2km (Differences exist due to different deployment environments and drone types)
Jamming Bands (Customizable)	433MHz, 900MHz, 1.2GHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz
Spoofing Signal	GPS-L1, GLONASS-L1, BDS-B1
Power Supply	Two built-in lithium batteries that can be replaced / AC 110~240V, 50/60Hz, 3.3A
Continuous Runtime	≥3h (Support battery replacement without shutting down) ≤1h (Single or Multiple Band Jamming) ≤20min (Full-band Jamming)