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H1D Handheld Drone Detection Jamming Integrated

Overview

H1D is a handheld device for drone detection and neutralization. Through radio sensing and jamming technologies, it detects and identifies commercial drones, as well as finds drone direction, locates drones and pilots and jams drone signals. It comes with a screen to display real-time drone information. H1D works independently offline or with multiple devices networking to cover a larger area. It's able to transmit its location back to a management platform.



Specifications – Detection

Work mode	Radio frequency
Drone frequency	900MHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz
Range	1 -1.5km (Varies due to environment and drone model)
Azimuth error	20° (RMS)
Battery run time	~6h

Specifications – Neutralization

Work mode	Radio jamming
Target	Remote control and GNSS signal
Jamming frequency	900MHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz
Range	~1km (Varies due to environment and drone model)
Battery run time	~30min

Mechanics

Dimension	L*W*H:(850mm*292mm*88mm)±5mm
Weight	~5.5kg (battery included)

Features

- Controller^[1] location** | Locate controller (pilot) (long./lat.)
- Drone^[2] location** | Locate drones (long./lat./alt.)
- Detection and neutralization integrated** | Drone detection and signal jamming in one device
- Not just DJI** | DJI, Autel as well as FPV, WiFi, homemade drone models
- Detection and direction-finding** | Graphical interface of displaying drone direction
- Screen display** | Foldable screen for graphical display of drone information
- Device location** | Able to transmit device location to the platform
- Mission on the move** | Easy to carry for mission on the move

*[1][2]Only to certain protocols, see specs document for details

Scenarios



Drone threat mitigation for critical security tasks, major events, daily patrol etc.