

Drone Detection & DF Handset

Product Profile

This is a carry-on device for drone detection, identification and alarm. An optional direction finding antenna comes with the device, giving it the capability to determine the rough direction of a coming drone.

The device collects surrounding radio signals and sorts drone signals out via deep learning. When a drone is identified, it alerts people through sound and/or light alarms.

The device not only detects typical DJI drone models, but also PARROT, AUTEL, FIMI, YUNEEC, HUBSAN series, DIY, FPV and racing drone models included.

Specification

Work mode	RF sensing
Target	DJI, AUTEL, FIMI, YUNEEC, HUBSAN, FPV and racing drone models
Frequency	Omni-directional antenna: 1.1GHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.8GHz DF antenna: 2.4GHz, 5.8GHz
Range	Omni-directional antenna 0.7 - 1.2 km DF antenna 2 - 3 km (There will be some differences depending on the environment and model)
Screen display	Number of drones detected, frequency and possible model of each drone
Alarm	Light, sound
Dimension	Handset (L*W*H) 240mm*66mm*48mm DF antenna (L*W) 300mm*217mm
DF function	optional
DF error	Azimuth error < 30° (at 1 km)
Weight	Handset ≤ 800g DF Antenna ≤ 310g
Work temperature	-20°C - 55°C

Product Feature

Highly portable

Light, small, carry-on, drop-proof

DJI and non-DJI

Mainstream, DIY, FPV, racing drones included

Passive technology

No radio signal transmission

Long range

2-3km range under DF mode

Direction finding

DF antenna optional

Modular design

Work independently or pair with drone gun

Low false alarm

Average false alarm rate < once per day

Visual UI

Real-time display

Drone Detection Handset ▶

DF Antenna ▶

