

# PD1 Handheld Drone Detector

## Overview

PD1 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.

## Specifications

|                         |   |
|-------------------------|---|
| <b>Work mode</b>        | RF sensing  |
| <b>Frequency</b>        | Omnidirectional: 900MHz、1.1GHz、1.2GHz、1.4GHz、2.4GHz、5.2GHz、5.8GHz<br>Direction-finding: 2.4GHz、5.8GHz       |
| <b>Range</b>            | Omnidirectional: 0.7-1.2km<br>Direction-finding: 1-2km<br>(Varies depending on environment and drone model) |
| <b>DF error</b>         | Azimuth error ~20° (at 1 km)  |
| <b>Work temperature</b> | -20°C - 55°C  |
| <b>Duration</b>         | ~6h   |
| <b>Dimension</b>        | Handset L*W*H: 235mm*66mm*43mm<br>DF antenna L*W: 300mm*217mm   |
| <b>Weight</b>           | Handset ~800g<br>DF Antenna ~310g   |

## Features

### Direction finding

Determine the rough drone direction

### DJI and non-DJI

Mainstream, DIY, FPV, racing drones included

### Highly portable

Light, small, carry-on, drop-proof

### Passive technology

No radio signal transmission

### Low false alarm

Average false alarm rate < once per day

### Multiple alarms

Flicker and/or sound alarm

### Visual UI

Real-time display

### Modular design

Work independently or pair with drone gun

Drone Detection Handset ►

DF Antenna ►

