

InphiGO-P1

Technical Specifications



Document Revision History

Date	V	Description	Revised by
2025-08-10	1.0		

1. Product Overview

InphiGO-P1 is a lightweight, handheld radio detection device. Based on ASD adaptive signal decoding technology, it parses and identifies Remote ID and DJI Drone ID, gaining information such as the drone's brand, model, electronic ID, altitude, latitude and longitude, and pilot location. It also supports multi-target trajectory tracking and pilot tracking, providing an effective means for low-altitude safety protection scenarios such as urban public safety and major event security.

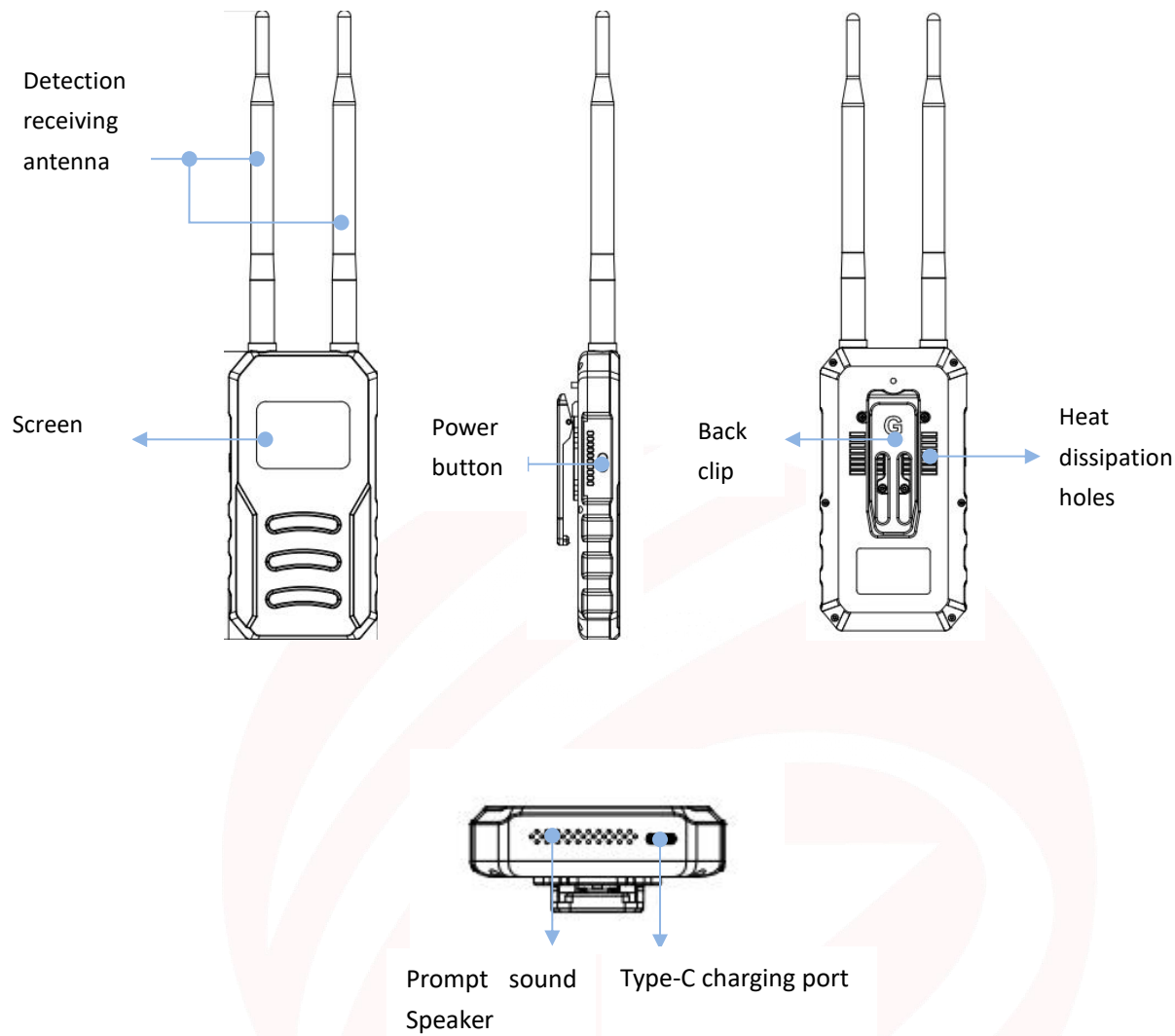


Figure 1. Product Image

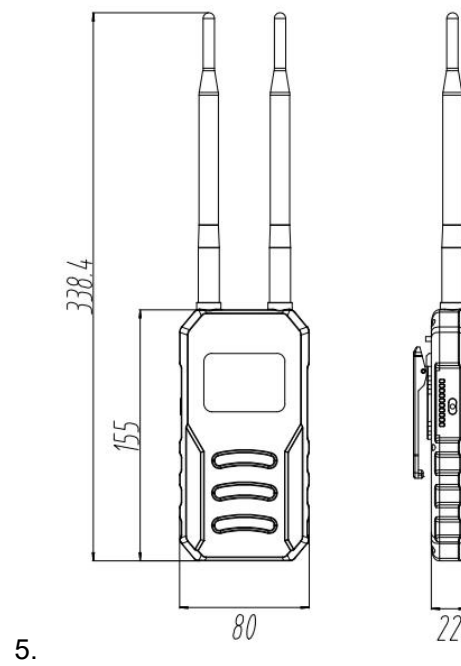
2. Functions and features

- Passive detection: No electromagnetic signals emitted, zero interference with the surrounding environment;
- Detection Information: Accurately identify the drone's operating band, brand and model, ID, direction, latitude and longitude, flight altitude, and pilot location;
- Event Review: Locally store historical events and allow access to historical drone detection information via mobile devices;
- Collaborative Operation: Support Bluetooth wireless connection with mobile devices for shared detection information;
- Real-time Alert: Upon target detection, provide real-time audible and vibration alerts;
- Portable: Compact and lightweight, suitable for various scenarios such as handheld and shoulder-mounted;

3. External interface



4. Appearance and Dimensions



Device size: 155mm×80mm×22mm (excluding external antenna and back clip)

5. Operation indicators

No.	Items	Indicators
1.	Detection principle	Passive reception, no active radio signal transmission
2.	Detection bands	2.4GHz, 5.8GHz
3.	Sensitivity	-97dBm (2.4GHz, 5.8GHz)
4.	Detection distance	0-3km (test target drone: DJI Mavic 3; environment: good electromagnetic environment, no obvious obstructions)
5.	Detection angle	Horizontal range: 0°-360°
6.	Communication method	Support BT 4.0 or higher (connect to Android/iOS phones and tablets)
7.	Screen type	1.54-inch OLED display
8.	Battery capacity	Polymer lithium battery: 10,000mAh
9.	Battery life	5h
10.	Power consumption	≤7W (operating status)
11.	Weight	≤500g (without antenna)
12.	Dimensions	155mm×80mm×22mm (without external antenna and back clip)
13.	Power supply method	Type-C charging: DC5V-9V
14.	Operating temperature	-25°C-60°C