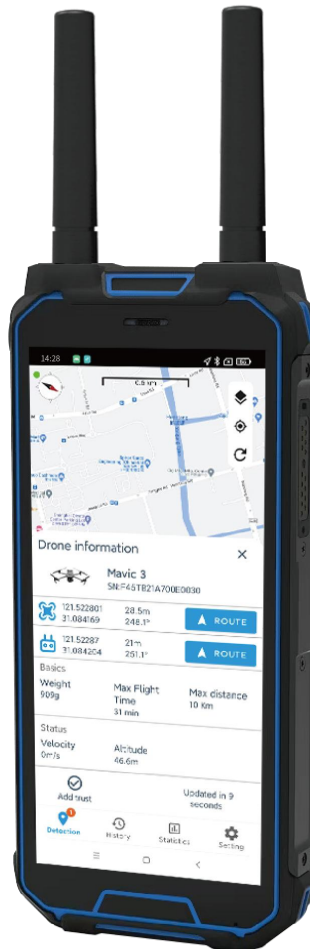

PL2 Handheld Drone Locator

Specifications v1.1



Product Name: Handheld Drone Locator

Product Model:PL2

Contents

PL2 Handheld Drone Locator	I
Specifications v1.1	I
1. Overview	1
2. Components	1
3. Functions	2
4. Features	2
5. Specifications	3
5.1 Performance Index	3
5.2 Mechanical Parameters	3
5.3 Electrical Characteristics	3
5.4 Environmental Adaptability	3
5.5 Touch Screen	4
5.6 System Storage	4
5.7 Operating Environment	4

1. Overview

PL2 is a portable product that integrates functions of RF sensing, protocol decoding, remote identification (RID), and so on. PL2 can realize real-time detection of drones and flight path, and accurate positioning of drones and remote controllers.

With a compact design and long-lasting battery life, PL2 is suitable for low-altitude security operations in various scenarios, including major events, protective security tasks, police patrols, anti-terrorism tasks, political core areas, border defense, airports, and power and petrochemical zones.

2. Components

PL2 mainly consists of a detection host, 2 detection antennas, a Type-C interface charger, and a protective case, as shown in the table below:



NO	Name	Quantity	Unit	Notes
1	Detection host	1	piece	
2	Detection antenna	2	piece	
3	Full band antenna	1	piece	
4	Power adapter & charging cable	1	piece	
5	SIM card cover screwdriver	1	piece	
6	Protective box	1	piece	
7	European standard conversion plug	1	piece	

3. Functions

- 1) **Drone positioning^[1]**: Locates the drones and shows the results as icons of drones on the e-map.
- 2) **Pilot positioning^[2]**: Locates the remote controllers (pilots), and shows the results as icons of the remote controllers on the e-map.
- 3) **Vast drone data library^[3]**: Identifies over 700 types of drones, including DJI, AUTEL, FPVs and DIY drones.
- 4) **Pilot navigation^[4]**: PL2 plans the route for tracking drone controllers with easy operation.
- 5) **RID detection^[5]**: PL2 is able to identify DJI drones (with OcuSync protocol), drones with RID, and the unique serial number (SN) of WIFI drones.
- 6) **Comprehensive information^[6]**: Realtime display of the drone model, coordinates, velocity, altitude, pilot coordinates and so on.
- 7) **Black and white list^[7]**: Once a white list is set, the alarm of PL2 will not be set off if the drone in white list is detected.
- 8) **Early warning**: The device will alarm by beeping or vibrating when detects the drone.
- 9) **Trajectory playback**: Assists security personnel to analyze historical drone flight data.
- 10) **History records**: The detection results will be saved for review, including SN, model, frequency band, etc.
- 11) **Multiple languages**: Supports English, Chinese, Russian, and Portuguese.

Notes

[1]-[7]: Only applies to DJI series with OcuSync protocols.

[5]: GB 42590-2023, ASTM F3411 Remote ID, ASD-STAN prEN 4709-002.

4. Features

- 1) **Passive detection**: No electromagnetic interference.
- 2) **Touch screen**: 6-inch screen and friendly user interface.
- 3) **Highly portable**: Weights only (580 ± 10) g.

4) **Type-C interface:** Suitable for standard adapter and power bank.

5. Specifications

5.1 Performance Index

NO	Indicator	Parameter	Notes
1	Frequency range	100MHz~6GHz	
2	Detection radius	1~2km (urban environment) 2~3km (open environment)	
3	Response time	3 ~ 5s	
4	Targeting range	1~2km (urban environment) 2~3km (open environment)	
5	Battery life	≥4h	

5.2 Mechanical Parameters

NO	Indicator	Parameter	Notes
1	Dimensions	185mm*80mm*33mm	
2	Weight	(580±10)g	Antenna excluded
3	Packing box size	(340mm*265mm*140mm)	
4	Packing box weight (full)	3.1kg	

5.3 Electrical Characteristics

NO	Indicator	Parameter	Notes
1	Battery capacity	8000mAh	Built-in lithium battery
2	Operating time	≥4h	When Screen brightness is 20%, temperature is 25℃
3	Charging duration	~2.5 h	With the original charger

5.4 Environmental Adaptability

NO	Indicator	Parameter	Notes
1	Operating temperature	-25~40℃	
2	Storage temperature	-35~40℃	

5.5 Touch Screen

NO	Indicator	Parameter	Notes
1	Screen size	6-inch	
2	Screen resolution	2160*1080 pixels	

5.6 System Storage

NO	Indicator	Parameter	Notes
1	Memory	8GB	
2	Storage	256GB	

5.7 Operating Environment

NO	Indicator	Parameter	Notes
1	Operating system	Android 12	
2	Network environment	Online / Offline	