

Handheld Drone Passive Detection System

Technical Data Sheet



Tactical Supply Pakistan

PRODUCT OVERVIEW



Based on CRPC 2.0 technology, it adopts a deeper data chain decoding solution to analyse and extract real-time flight attribute information from data in specific formats, and accurately identifies the drone's graphic&video stream, SN number, geo-location, trajectory, altitude, speed and remote control position, etc., to detect, identify and locate the unauthorized drones more quickly and accurately. The device has an integrated design, small in size, light in weight, easy to carry, which is suitable for all kinds of single soldier low-altitude protection.

KEY FEATURES



Passive Detection

Passively receives only, does not emit any electromagnetic signals, no impact on the surrounding environment.

Precise Identification

Precisely identify the SN, model, geo-location, speed, altitude, trajectory, and remote controller information of the drones in real time.

Trajectory Tracking

Multi-target trajectory tracking, pilot (remote control) tracking.

Position Navigation

Detect the pilot's (remote controller) position in real-time, one-click to track the pilot and the drone.

Black and White List

One-click to mark the black and white list, there will be no alarm for white-listed drones.

Network Management

Support network access to the control platform, to achieve multi-device collaboration, to achieve a wide range of prevention and control scenarios.

Wireless Intercom

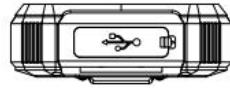
Multi-device wireless network, instant communication, collaborative operations, to support the completion of command and planning work.

Analog Video Transmission

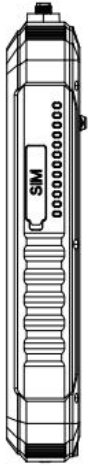
The system can provide live FPV steam of detection, identification, and real-time video transmission.

Compact and Portable

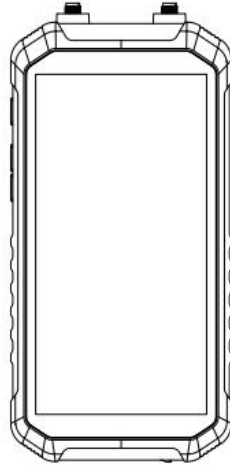
Light in weight and small in size. Portable, shockproof and drop-proof.



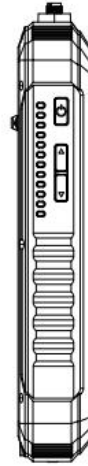
Bottom View



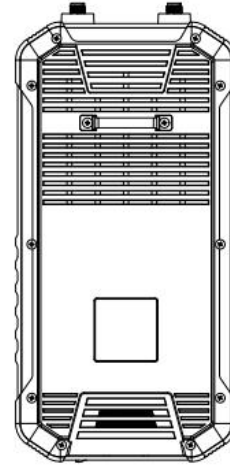
Right Side View



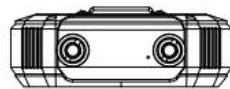
Front View



Left Side View

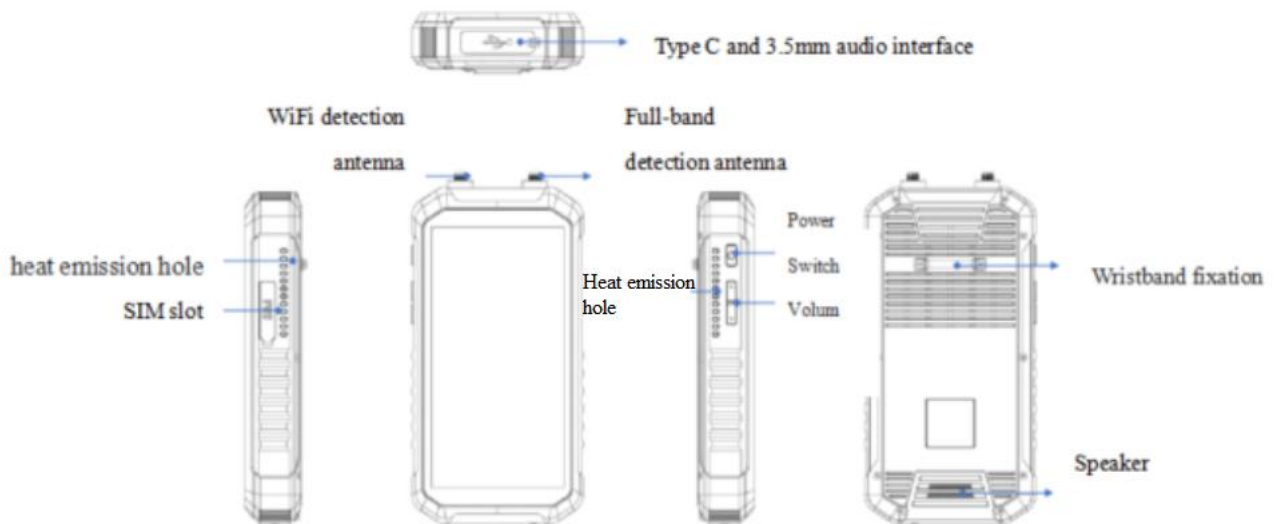


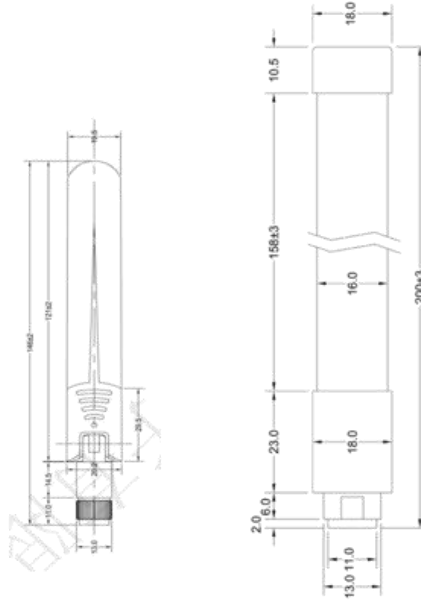
Back View



Top View

Dimensions: 177*89*29.5mm





	Antenna A	Antenna B
Dimensions (L×W)	20 × 145 mm (±2 mm)	18 × 200 mm (±3 mm)
Frequency Range	100 - 6000 MHz	600 - 6000 MHz
Gain	-6.7 ~ 3.5 dBi	-0.4 ~ 4.5 dBi

PRODUCT PERFORMANCE

Working Principle	Passive detection, does not emit any electromagnetic signals
Detection Bands	800/900MHz, 1.2GHz, 2.4GHz, 5.2 /5.8GHz, WiFi 433MHz (Customizable)
Sensitivity	-95dBm
Detection Distance	0~3km (Different exist due to different environments and drone type)
Response Time	≤5s
Detection Quantity	≥15 Drones (Simultaneous)
Number of Drone Trajectories	≥10 Drones (Simultaneous)
Position Accuracy	≤3m (Available for the drones can be decoded)
Drone Library (Geo-Location)	DJI Drone ID protocol models, Mavlink protocol, Parrot, TBS CrossFire and other brands
Motion Detection	0~60km/h
Screen Size	6.0 Inch
Battery Capacity	12000mAh
Endurance	3~4h

External Interface	Type-C, SMA antenna connector (external screw and internal hole)*2, 3.5mm audio output connector*1, SIM card*1
Charging Power	Charging Input: DC 12V, 2-3A Fast Charging Supports Power Delivery 3.0 (PD 3.0)
Charging Time	≤3 hours (0% to 100%, powered off) ≤4 hours (0% to 100%, during operation)
Power Consumption	≤15W
Dimensions	177mm * 89mm * 29.9mm (±2mm)
Weight	≤580g(±0.05kg, without antenna) ≤46g per antenna
Operation Temperature	-20°C to +50°C
Storage Environment	15~25°C RH25~65%
IP Level	IP54