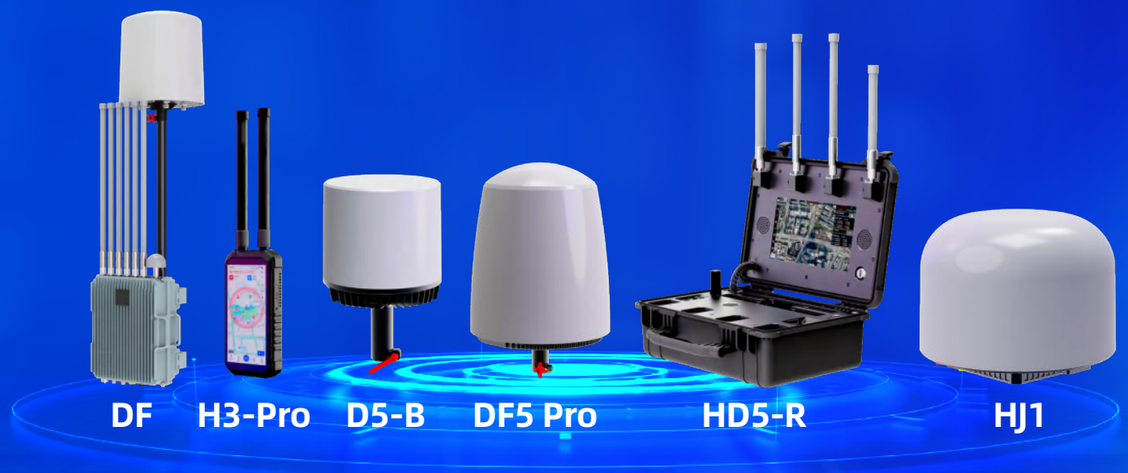
Passive Detection System



The Passive Detection System has the functions of detection and identification, early warning, direction finding, and network positioning. It can be deployed in a single set or in multiple sets for networking, and has various product forms in both stationary and portable types. It has no emission or impact to the surrounding electromagnetic environment during operation. It is suitable for public safety, correctional facility, airport, stadium, water conservancy and hydropower, and other industries.

TACTICAL
SUPPLY PAKISTAN

Passive Detection
Passively receives only and does not emit any electromagnetic signals

Precise Identification
It can precisely identify different drones of the same brand and model and identify the electronic fingerprint of drones

Accurate Positioning
It can precisely detect the approach of the drone and effectively postion the target

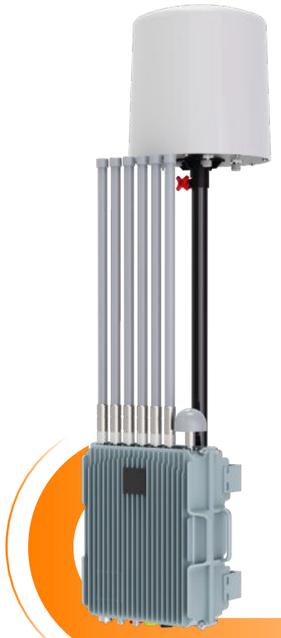
Black and White List
One-click to mark the black and white list, there will be no alarm for white-listed drones

Networking Positioning
By using a single device, accurate direction finding can be accomplished; By using multiple devices, networking-based positioning can be achieved, and the distance can be extended infinitely

Full-covered Drone Library
Support various types of drone brand, FPV drones, WIFI drones, DIY drones, etc. Cover more than 98% drones on the market

Stationary: DF

The DF is environmental friendly it passively receives only and does not emit any electromagnetic signals. This system is suitable for public safety, correctional facility, airport, stadium, water conservancy and hydropower, and other industries.



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Detection Bands 30MHz ~ 6GHz

Main Bands 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz

Detection Distance 0 ~ 8km

Direction Finding Accuracy (RMS) 3 ° (hovering) ; 10 ° (moving)

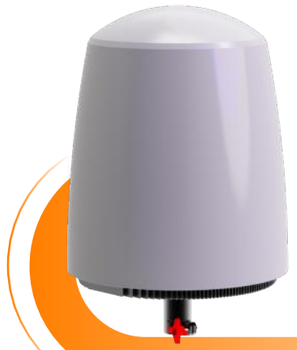
Detection Quantity >35Drones

Operating Temperature -40℃ ~ 70℃

IP Level IP66

All-in-one Type: DF5 Pro

The system adopts an integrated design, which features high integration, good scalability, and strong adaptability. It can be organically integrated with other security systems and is suitable for long-term protection such as safety, correctional facility, airport, stadium, water conservancy and hydropower, and other industries.



Environmental Safe
By adopting passive detection technology, there is no influence or disruption on the surrounding environment

Full-covered Drone Library
Support various types of drone brand, FPV drones, WIFI drones, DIY drones, etc. Cover more than 98% drones on the market

High Integrated
All modules are integrated into a protective dome
All-in-one design

Good Scalability
It can be used in integration with radar, electro-optical and other jamming systems

Networking Positioning
By using a single device, accurate direction finding can be accomplished; By using multiple devices, networking-based positioning can be achieved, and the distance can be extended infinitely

Strong Flexibility
It has strong mobility in transportation and deployment

Detection Bands 30MHz ~ 6GHz

Main Bands 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz

Detection Distance 0 ~ 5km

Direction Finding Accuracy (RMS) 3 ° (hovering) ; 10 ° (moving)

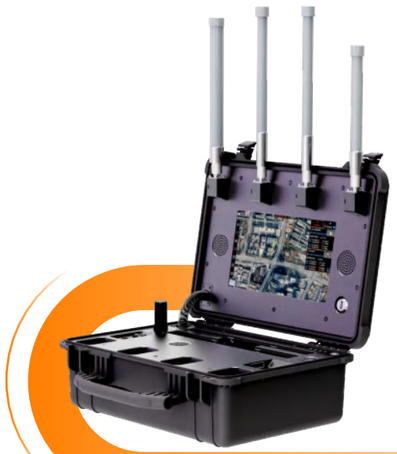
Detection Quantity >35 Drones

Operating Temperature -40℃ ~ 70℃

IP Level IP66

Portable Type: HD5-R

This portable product is used for drones detection and identification and has the advantages of easy deployment, mobile compatibility, early warning and positioning with trajectory tacking. When a drone enters defense areas, this device can raise the alarm, determine the real-time location of the target and the pilot through CRPC message level protocol cracking, and record the trajectory of the drones.



Passive Detection
Passively receives only and does not emit any electromagnetic signals, It has no impact on the surrounding environment

***Trajectory Tracking**
Multi-target drone trajectory tracking, Pilot (remote control) tracking

Precise Identification
It can accurately identify serial number of different drones from same brand, the same model, same frequency band

Cost Effective
Single set of equipment which has full functions, can be used for individual operations, easy to use and deploy, can also work in coordination with other equipment

***Position with Single Device**
One device can position the drones and pilot (remote control)

User-friendly
By a simple click, the system runs automatically, carrying out automatic detection and alarm functions

The characteristic of * is available for the drones can be decoded, for more details, please check the specification

Main Bands 900MHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz

Detection Distance 0 ~ 5km

Detection Quantity >20 Drones

Number of drone trajectories * >10 drones

Power Supply Built-in lithium battery or mains input

Endurance >12hours (at full load condition)

Dimension 470mm*357mm*176mm (±2mm)

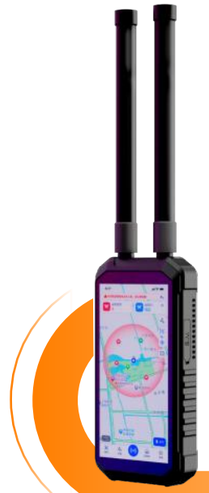
Weight <13kg

Operating Temperature -40℃ ~ 65℃

IP Level IP66 (Closed State)

Handheld Type: H3 Pro

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 low-altitude protection.



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

***Trajectory Tracking**
Multi-target trajectory tracking, Pilot (remote control) tracking

Precise Identification
Precisely identify the serial number, model, position, speed, altitude, trajectory, and remote controller information of the drones

***Position with Single Device**
A single device can achieve accurate positioning of the target drone and the pilot (remote control)

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

Graphic Steam
DIY graphic transmission traversing machine detection and identification, record the real-time graphic transmission screen of the drones

The characteristic of * is available for the drones can be decoded, for more details, please check the specification

Detection Bands 900MHz, 1.2Ghz, 2.4GHz, 5.8GHz, WiFi

Detection Distance 0 ~ 3km

Position Accuracy ≤3m

Detection Quantity ≥15 Drones (Simultaneous)

Number of Drone Trajectories ≥11 Drones (Simultaneous)

Dynamic Detection Movement Speed 0 ~ 80KM/h

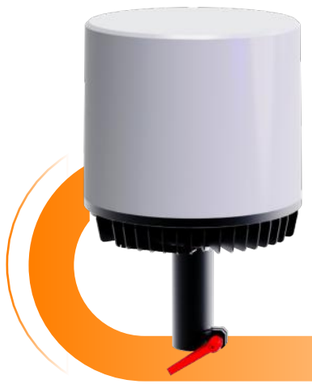
Endurance ≥4h (Support charging while using)

Dimension 177mm * 89mm * 29.5mm (±2mm)

Operation Temperature -25℃ ~ 60℃

TDOA D5-B

The TDOA detection and positioning system features passive detection, compact size, light weight, The equipment can be fixedly installed or flexibly deployed, and is applicable to the deployment and use in areas such as public safety, correctional facility, airport, stadium, water conservancy and hydropower, and other industries.



Passive Detection

Passively receives only and does not emit any electromagnetic signals

Full Frequency Coverage

Covers 30MHz-6GHz band

Precise Identification

It can precisely identify different drones of the same brand and model and identify the electronic fingerprint of drones

Black and White List

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

Detection Bands 30MHz ~ 6GHz

Detection Distance 0 ~ 3km

Detection Quantity >30 Drones

Position Accuracy <10m (RMS)

Dimension ϕ220mm*190mm

Weight <3kg

Operating Temperature -40℃ ~ 70℃

IP Level IP66

DF5 Ultra

DF5 Ultra is a stationary high-precision detection and identification equipment, using a multi-functional integrated design, supports multi-band direction finding. The equipment covers FPV drones and DIY drones. It can also achieve single-station resolving positioning, multi-site network fusion positioning of the whole model coverage, the entire dimensional positioning, and tracking of the target drones. This stationary equipment widely applies to airports, high-speed railway stations, electric power systems, petroleum, and petrochemicals.

Precise Identification

Based on CRPC technology, accurately identifies different drones of the same brand, model, frequency, and drone ID.

Non-Cooperative Target Detection And Identification

In addition to accurately detecting cooperative targets, the unit also supports the detection, identification, and positioning of non-cooperative targets.

Comprehensive Drone Library

The device supports accurate direction finding for common drones, FPV traversers, DIY assemblers, etc.

Full-Band Direction Finding

Adopting a multi-array direction-finding antenna, equipped with an AI computing unit, it can stably output drone orientation information in the complex electromagnetic environment.

Black and White List

One-click to mark white list, no alarm for white list target detection, permanent record of black and white list, not affected by power on and off.

Highly Integrated

No need to assemble other working units, friendly appearance, and convenient installation.

Detection Bands 30MHz ~ 6GHz

Main Bands 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz

Detection Distance 0 ~ 5km

Direction-finding Bands 400MHz ~ 6GHz

Direction-finding Accuracy 3° ~ 10°（RMS）

Operating Temperature -40℃ ~ 70℃

IP Level IP66