

Convenient Handheld Drone Detector with Spectrum Sensing Technology and Wristband Receiver for Quick Detection

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: MYT
- Model Number: DR400-E
- Minimum Order Quantity: 1
- Price: Negotiate
- Packaging Details: L*W*H:(142mm63mm38mm)
- Delivery Time: 10 work days
- Payment Terms: T/T
- Supply Ability: 20000 units per month



Product Specification

- Frequency Range: Supports Custom Scanning From 70MHz To 6.2GHz
- Wristband Information
Receiving Terminal
Communication Distance: $\geq 500\text{m}$ (open And Unobstructed)
- Detection Response Time: $\leq 3\text{s}$ (for 8 Frequency Bands); $\leq 5\text{s}$ (for 12 Frequency Bands)
- Alarm Methods: Audible Sound, Vibration, And Light
- Highlight: **Quick Detection Drone Detector,
Wristband Receiver Drone Detector,
Spectrum Sensing Handheld Drone Detector**



More Images



Product Description

Convenient Handheld Drone Detector Spectrum Sensing Technology and Wristband Receiver for Quick Detection

1, Description:

The portable drone detection system is comprised of a detection master unit and a wristband information receiving terminal. It integrates spectrum sensing technology and is equipped with capabilities for reconnaissance, display control, and team coordination, enabling effective detection, identification, and alarm signaling of various types of unmanned aerial vehicles (UAVs). The system employs low-power ultra-wideband digital reception technology, advanced signal detection algorithms, and proprietary UAV identification algorithms, coupled with an external high-efficiency ultra-wideband antenna. This setup allows for precise identification of UAVs, including quadcopters, fixed-wing aircraft, DIY models, and first-person view (FPV) drones, in complex electromagnetic environments, and triggers auditory, visual, and haptic alarms. This product stands out as a unique and innovative solution globally, offering effective counter-UAV operations to mitigate the escalating threat of illicit drone activities.



SPBATC

DR400-E

Portable Drone Detection and Wrist Watch Alert Coordination Device

Team Synchronization Alarm

1+N Team Collaboration

Super Early Warning for FPV Drones

Dual-mode Detection

Full-frequency-band Detection

Low False Alarm Rate



The device is mainly composed of a detection host and information-receiving terminal (wrist watch), and has functions such as detection, display and control, and team coordination. The product adopts low-power ultra-wideband digital reception technology, signal detection algorithms, and drone identification algorithms, complemented by an external high-efficiency ultra-wideband antenna, which make it quickly and accurately detect and identify various types of quad-rotor, fixed-wing, DIY, FPV and other drones, and generate sound, light and vibration alarms.

FEATURES



**Team Synchronization
Alarm**



1+N Team Collaboration



Dual-mode Detection



**Full-frequency-band
Detection**



**Super Early Warning for
FPV Drones**



Low False Alarm Rate

PRODUCT SPECIFICATIONS

| | |
|--------------------------------|---|
| Identified Drone Types | Mainstream drones and most FPV, DIY drones, etc. |
| Detection Frequency Bands | Supports customized scanning of 70MHz-6.2GHz, default bands include 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz (others can be customized) |
| Detection Radius | ≥1.5km (good views and electromagnetic environment) |
| Wrist Watch Reception Distance | ≥500m (open and unobstructed environment) |
| Detection Response Time | ≤3s (8 frequency bands) |
| Detection Principle | Spectrum scan and spectrum feature identification |
| Alarm Mode | Sound, vibration, light |
| Screen Size | 2.0 inches |
| Power Supply Mode | Removable lithium battery |
| Battery Life | ≥6h (host) ≥12h (wrist watch) |
| Device Size | 142mm*63mm*38mm (Length*Width*Height) |









2, Features

1) Dual-mode detection:

Free switching between spectrum scanning detection and key frequency band feature matching detection modes.

2) Wide range of detectable drones:

Accurately identifies mainstream drones such as DJI, Autel, and Hubsan, as well as FPV racing drones, DIY drones, etc.

3) Broad detection frequency coverage:

Full coverage of mainstream frequency bands from 70MHz to 6.2GHz, with 8-12 key detection frequency bands.

4) FPV ultra-strong early warning:

Unique baseband signal analysis and recognition technology for rapid early warning of various DIY and FPV drones.

5) Low false alarm rate:

Spectrum signal detection can reduce the rate of missed detections. In complex electromagnetic environments, the integration of frequency scanning technology and feature analysis comparison technology results in a low rate of missed detections and false alarms.

6) 1+N team coordination:

Supports team collaboration.

Test Objective:

To verify if the equipment has a drone detection range of over 3KM.

Principle of the Device:The device detects the video transmission signals emitted by drones.

TIPS: The video transmission (VT) signal is emitted by the drone, and the drone controller serves as the receiving unit for the VT signal. To verify the authenticity of the video, it is necessary to place both the handheld detection device and the remote controller in the same video. The detected frequency range in the video is 5700MHz-5850MHz, which is a standard VT signal frequency band. Therefore, the drone controller does not emit signals.

3, Product Performance Specifications:

1) Identification Types:

Mainstream drones such as DJI, Autel, and Hubsan, as well as FPV racing drones, DIY drones, etc.;

2) Frequency Range:

Supports custom scanning from 70MHz to 6.2GHz (Default detection frequency bands: 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz; other frequency bands can be customized);

3) Detection Radius:

≥1.5km (line of sight, clean electromagnetic environment);

4) Wristband Information Receiving Terminal Communication Distance:

≥500m (open and unobstructed);

5) Detection Response Time:

≤3s (for 8 frequency bands); ≤5s (for 12 frequency bands);

6) Detection Principle:

Spectrum scanning and spectrum feature recognition;

7) Alarm Methods:

Audible sound, vibration, and light;

8) Screen Size:

2.0 inches;

9) Power Supply:

Lithium battery powered (removable);

10) Battery Life:

≥6 hours (main unit); ≥12 hours (wristband);

11) Device Dimensions:

142mm63mm38mm (LWH);

12) Operating Temperature:

-20 to +50 .



4, Why Choose Us

MYT Technology, relying on the research and development technology from the Chinese Academy of Sciences, has been deeply involved in the field of drone countermeasure technology for many years.

Facing the challenging technical issue of defending against FPV drones, MYT Technology has achieved excellent countermeasure effects.

Especially recently, FPV has strengthened its communication signals and upgraded to multi-frequency hopping communication, making traditional countermeasure equipment difficult to effectively counteract.



Our company through the defense requirements of its customers, continuously innovates technologically and has unique advantages in countering FPV and has obtained numerous patents in this field.

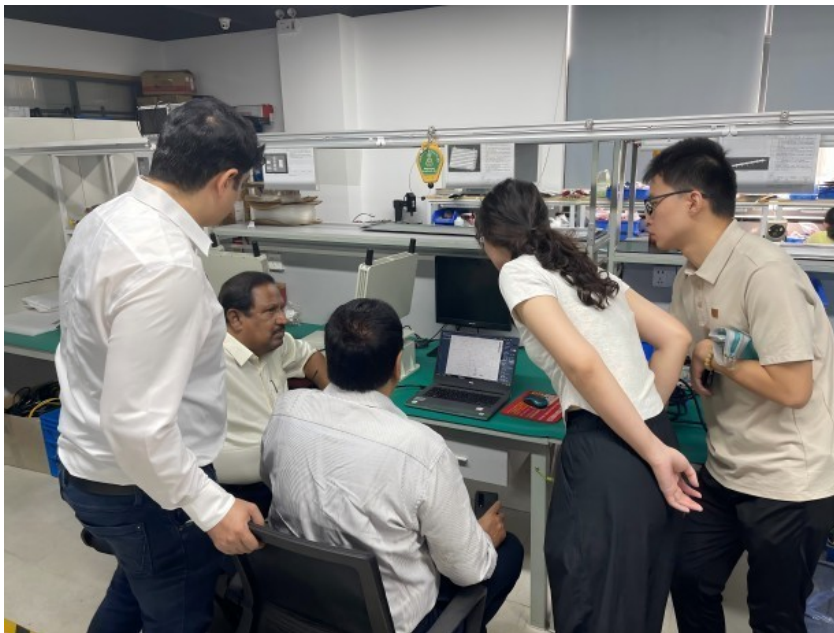


5, Business Partner

Afreican Parks Counter-UAV Strategic Partnership



| Park Manager or Delegated Manager | Procurement Officer/Po | Finance Manager/Controller |
|--|---|--|
| Habteyesus Mathewos TADESSE | Chantal KABIBAHOU | Virgile HOUNGBEDJI |
|   |  |  |
|  Suspicious behavior? Send an anonymous message to afri@afdb.org | | |





6,FAQ

Q:How far is the detection range?

A:Under normal circumstances, it is two kilometers, but the monitoring distance may vary depending on the radio environment.

Q:Can the alarm for detecting a drone be communicated to other team members?

A:The detection alarm can be conveyed to other team members simultaneously through the equipped communication devices.

Q:Dose the device can locate the position of the drone.

A:The device can locate the position of the drone, and it will be displayed on the device screen.

Q:Can the product be customized?

Yes, we can customize including the logo, size, color, and functions.



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