Drone Signal Detection Device For Long Range 3KM Portable

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Model Number: DP200T1
- Minimum Order Quantity: 1 units
- Delivery Time: 10 work days
- Payment Terms: L/C,T/T
- Supply Ability: 5000units per month

Product Specification

- Intercom Distance: 3KM open And Unobstructed
- Alarm Method: Audio vibration light
- Detection Principle: Spectrum Feature Identfication
- Detection Response Time: ≤3S
- Detection Range: 3KM
- Detection Frequency: Supports 400MHz-6GHz Customized Scanning by Default
  400MHz 800MHz 900MHz 1.2GHz 1.4GHz 2.
- Idengtification Type: Most Mainstream Brand Drones And FPV Drones
- Highlight: **vibration perimeter defense system**, **microwave radar perimeter fence alarm**, **perimeter defense system microwave radar**

More Images

Product Description

Drone Signal Detection Device For Long Range 3KM Portable

1, Product Introduction

The handheld drone detection device integrates spectrum sensing technology and can effectively detect and identify various types of drones. The device adopts self-developed low-power ultra-wideband digital receiving technology, signal detection algorithm and advanced drone identification algorithm, and is connected with an efficient ultra-wideband antenna.

The equipment has two scanning modes: full-band scanning and key-band scanning. It possesses the most comprehensive database of drone models and their usage frequencies, enabling accurate identification of drone models.

It can achieve an extremely low false alarm rate in complex electromagnetic environments and can accurately identify quadcopter, fixed wing, DIY drones, FPV drone etc., and generate sound, light and vibration alarms.

Dual-mode Detection | Full-frequency-band Detection
Super Early Warning on FPV Drones | Low False Alarm

Dual-mode Detection
Covering All Drone Models

Switch between two detection modes,
accurately identify mainstream commercial drones
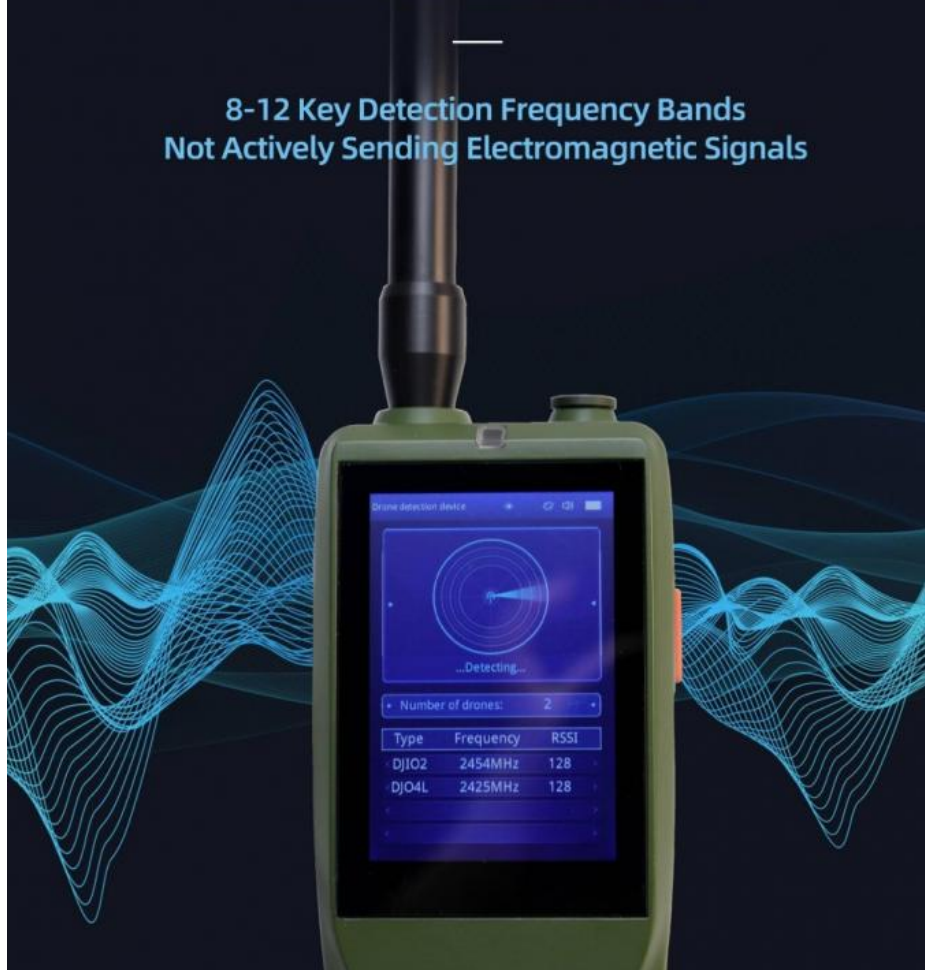and PFV, DIY drones, etc.

Early Warning Mode: Spectrum Power Detection

Alarm Mode: Spectrum Feature Matching Detection

70MHz-6.2GHz
Full-frequency-band
Customized Scanning
and Detection

8-12 Key Detection Frequency Bands
Not Actively Sending Electromagnetic Signals

Super Early Warning
on FPV Drones

Unique baseband signal analysis and identification technology quickly give warning information of various types of quad-rotor, fixed-wing, DIY, FPV and other drones.

DIY

Quad-rotor

1.5km Detection Radius

FPV

Extremely Low False Alarm

Spectrum signal detection significantly reduces the false alarm rate and ensures an extremely low false alarm rate even in complex electromagnetic environments.

3 Alarm Modes:

Sound

Vibration

Light

Product Details

Full-frequency-band Antenna

Power Button

3.5-inch Display Screen

Device Host

Control Buttons

Product Parameters

Identified Drone Types	Mainstream drones and most FPV, DIY drones, etc.
Detection Frequency Bands	Supports customized scanning of 70MHz-6.2GHz (400MHz,800MHz,900MHz,1.2GHz,1.4GHz,2.4GHz, 5.2GHz,5.8GHz.supports customization)
Detection Radius	≥1.5km (Good views and electromagnetic environment)
Detection Response Time	≤3s (8 frequency bands);≤5s (12 frequency bands)
Detection Principle	Spectrum feature identification, Spectrum power identification
Alarm Mode	Sound, vibration, light
Power	Removable Lithium Battery
Battery Life	≥6h
Screen Size	3.5 inches
Device Size	199mm*75mm*40mm (Antenna not included)
Working Temperature	-20℃~+50℃
Supported Languages	Chinese,English, Russian (Supports multi-language customization)

*Product pictures are for reference only, please refer to the actual product.

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-5800MHz, which is a standard VT signal frequency band. Therefore, the drone controller does not emit signals

2, System Composition

The handheld drone detection device integrates spectrum sensing technology and can effectively detect and identify various types of drones. The device adopts self-developed low-power ultra-wideband digital receiving technology, signal detection algorithm and advanced drone identification algorithm, and is connected with an efficient ultra-wideband antenna.

It can achieve an extremely low false alarm rate in complex electromagnetic environments and can accurately identify quadcopter, fixed wing, DIY drones, FPV drone etc., and generate sound, light and vibration alarms.

The equipment has two scanning modes: full-band scanning and key-band scanning. It possesses the most comprehensive database of drone models and their usage frequencies, enabling accurate identification of drone models.

2, Feature

Dual-mode detection:Switching between spectrum power detection mode and spectrum characteristic matching detection mode
* Wide range of detection models:Accurately identify drones of mainstream brands such as DJI, Autel, and Hubsan, and most FPV and DIY drones, etc.
* Wide coverage of detection frequency bands:Full coverage of mainstream frequency bands 70MHz-6.2GHz, 8-12 key detection frequency bands;
* Super FPV early warning:Unique baseband signal analysis and identification technology, rapid early warning for all types of DIY and FPV drones;
* Low false alarm rate:Spectrum signal detection can reduce the false alarm rate and achieve extremely low false alarm rate in complex electromagnetic environments;

3, Specification

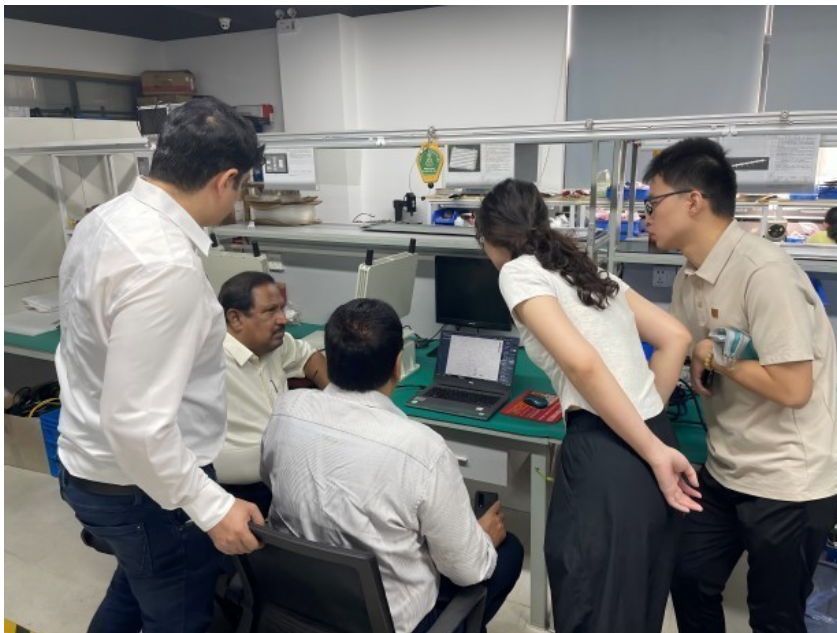| Idengtification Type	Most mainstream brand drones and FPV drones
Detection Frequency	Supports 400MHz-6GHz customized scanning,by default 400MHz,800MHz,900MHz,1.2GHz,1.4GHz,2.4GHz,5.2GHz,5.8GHz
Detection Range	3KM
Detection Response Time	≤3S
Detection Principle	Spectrum feature identfication
Alarm method	Audio,vibration,light
Intercom Distance	3KM(open and unobstructed)
Battery life	Main device≥8 hours,auxiliary device≥12 hours
Working temperature	-20 ~+50
Display Show Content	
Shows that the device is in detection status	Detection signal type
The icon is displayed when the red light alarm function is turned on, and the icon is not displayed when turned off.	Detection signal frequency
The icon is displayed when the frequency sweep function is turned on, and the icon is not displayed when turned off.	Detection signal strength
The icon is displayed when the vibration alarm function is turned on, and the icon is not displayed when turned off.	The icon is displayed when the sound alarm function is turned on, and the icon is not displayed when turned off.
Battery power display	Indicates the number of targets detected by the device

4, After-Sales service
1. We offer 24 hours service after sales
2. If there are any usage or quality issues with the product, we provide online technical support to diagnose the cause of the problem.
3. Should you find the products unsatisfactory, kindly return it to us within a period of 3 months from the date of dispatch. Upon receipt and inspection, should the products be found to be free from any damage attributable to human factors, a full refund will be granted. Alternatively, we can engage in discussions to amend the product and subsequently reship the product to you.
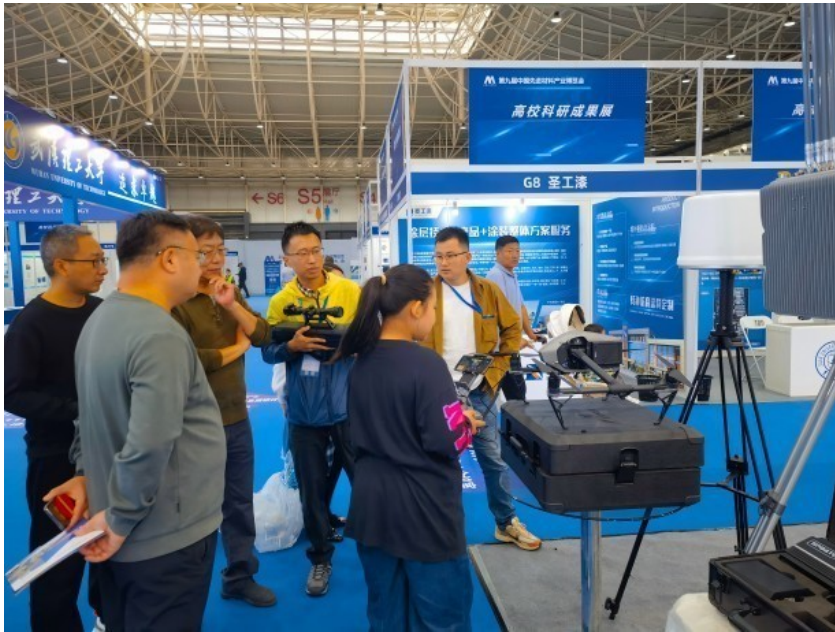
5,Buesiness Partner

Afreican Parks Counter-UAV Strategic Partnership

Park Manager or Delegated Manager	Procurement Officer/Po	Finance Manager/Controller
Habteyesus Mathewos TADESSE	Chantal KABIBAHOU	Virgile HOUNGBEDJI

6, Certification Certificate

7, Company profile

Chongqing Miao Yitang Technology Co., Ltd. is a specialized company engaged in anti-drone and unmanned intelligent defense management.
With the technical support from the AI Internet of Things Research Institute of the Chinese Academy of Sciences and collaborations with multiple intelligent AI companies, the company has established research laboratories for AI unmanned field products, accumulating a variety of technical patents.

The company's products are widely applied to unmanned automatic management solutions for various defense and perimeter areas, including AI anti-drone systems and AI unmanned vehicle patrol systems. These systems integrate with multiple technologies such as optoelectronics, radar, vibration, thermal imaging, facial recognition, and radio frequency management, truly achieving a 24-hour uninterrupted anti-drone defense and ground perimeter defense warning system. This allows for cost savings for clients, reduction in human resource allocation, and ensures the safety of clients' lives and property. The outstanding security system has won the company an excellent reputation and created higher value for its partners.

8, Paking and Delivery
Supports various logistics methods including shipping, air freight, water transport, and express delivery, covering logistics in 90% of the global regions.

CUSTOMER SERVICE

* Fast and patient communication: professional sales reply immediately
* Fast delivery: usually 2-7 days
* Flexible Safe shipping: fast by air or sea with cheap freight
* Customer-friendly: complete user manual and exact video training provided
* After sales service: one year warranty and life time technical support

Chongqing Miao Yi Tang Technology Co., Ltd.

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