

Long Distance Portable Handheld Drone Detector with Battery Life of 6h and Detection Distance of $\geq 2\text{km}$

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: MYT
- Model Number: DR400-A
- Minimum Order Quantity: 1
- Price: Negotiate
- Packaging Details: L*W*H:(350mm*300mm*140mm)
- Delivery Time: 10 work days
- Payment Terms: L/C,T/T
- Supply Ability: 10000units per month



Product Specification

- Battery Life: 6h
- Detection Distance: $\geq 2\text{km}$
- Highlight: 6h Handheld Drone Detector,
Long Distance Handheld Drone Detector,
2km Handheld Drone Detector



More Images



Product Description

Portable Long Range Drone Detector

Device Overview

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 image shows a handheld drone detector, model DR400-A, in a green and black color scheme. It features a large screen displaying a circular radar-like interface with various data points. The device has two prominent antennas on top and a speaker grille at the bottom. It is set against a dark background with blue, wavy, light patterns at the base, suggesting a futuristic or high-tech environment.

DR400-A
**Portable Drone
Detection Device**

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

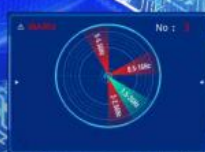
**Dual-mode Detection
Covering All Drone Models**

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

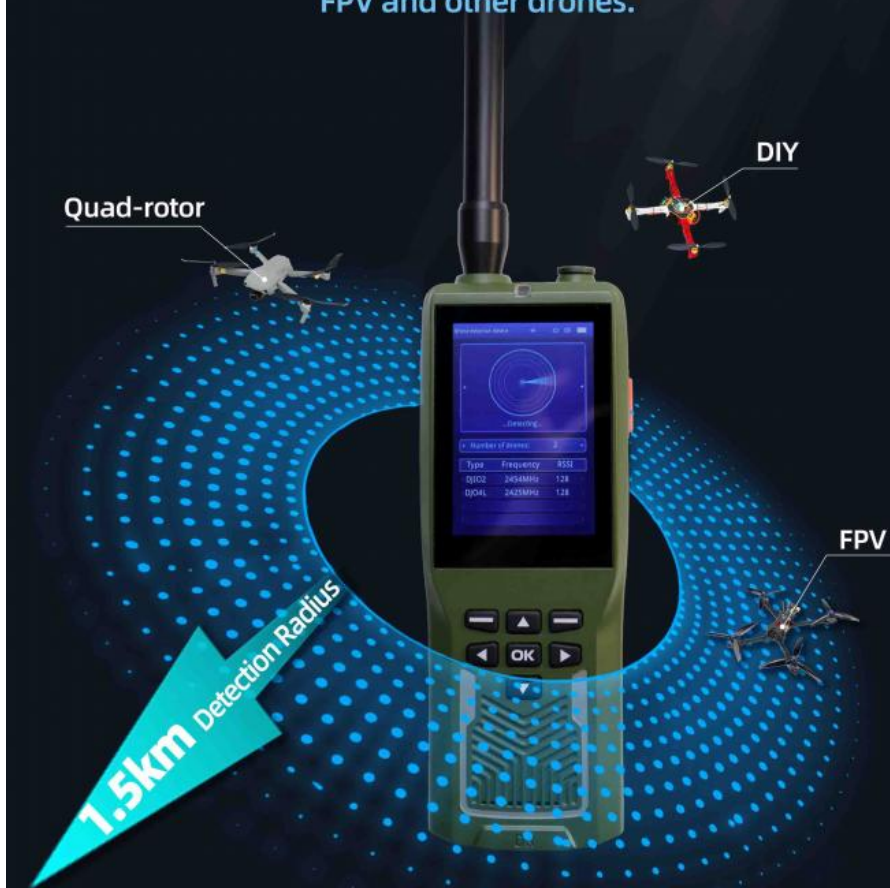
8-12 Key Detection Frequency Bands
Not Actively Sending Electromagnetic Signals





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.



Extremely Low False Alarm

Spectrum signal detection significantly reduces the

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



Product Parameters

Identified Drone: Mainstream drones and most FPV, DIY drones, etc.

Identified Drone Mainstream drones and most FPV, DJI drones, etc.

Types

Detection Frequency Supports customized scanning of 70MHz-6.2GHz
Bands (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°C~+50°C

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.

Features

1) **Dual-mode detection:**

Switching between spectrum power detection mode and spectrum characteristic matching detection mode

2) **Wide range of detection models:**

Accurately identify drones of mainstream brands such as DJI, Autel, and Hubsan, and most FPV and DIY drones, etc.

3) **Wide coverage of detection frequency bands:**

Full coverage of mainstream frequency bands 70MHz-6.2GHz, 8-12 key detection frequency bands;

4) **Super FPV early warning:**

Unique baseband signal analysis and identification technology, rapid early warning for all types of DIY and FPV drones;

5) **Low false alarm rate:**

Spectrum signal detection can reduce the false alarm rate and achieve extremely low false alarm rate in complex electromagnetic environments;

Specification

Parameter	Details
Identification 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	≥2KM
Detection Response Time	≤3S
Detection Principle	Spectrum feature identification
Alarm method	Audio, vibration, light
Intercom Distance	3KM (open and unobstructed)
Battery life	Main device≥8 hours, auxiliary device≥12 hours
Working temperature	-20°C~+50°C



Display Show Content	Description
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



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.



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.



Chongqing Miao Yi Tang Technology Co., Ltd.

+8613101235550

gary@chinaantidrone.com

chinaantidrone.com

www.chinaantidrone.com