Long Distance Portable Handheld Drone Detector with ≥2km Detection Distance and 6h Battery Life Using Spectrum Sensing Technology

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DR400-A
- Minimum Order Quantity: 1
- Price: Pricing is negotiable based on order quantity
- Packaging Details: L*W*H:(350mm*300mm*140mm)
- Delivery Time: 10 work days
- Payment Terms: TT,LC
- Supply Ability: 1000units per month

Product Specification

- Battery Life: 6h
- Detection Distance: ≥2km
- Highlight: **6h Handheld Drone Detector**,
  Long Distance Handheld Drone Detector,
  2km Handheld Drone Detector

More Images
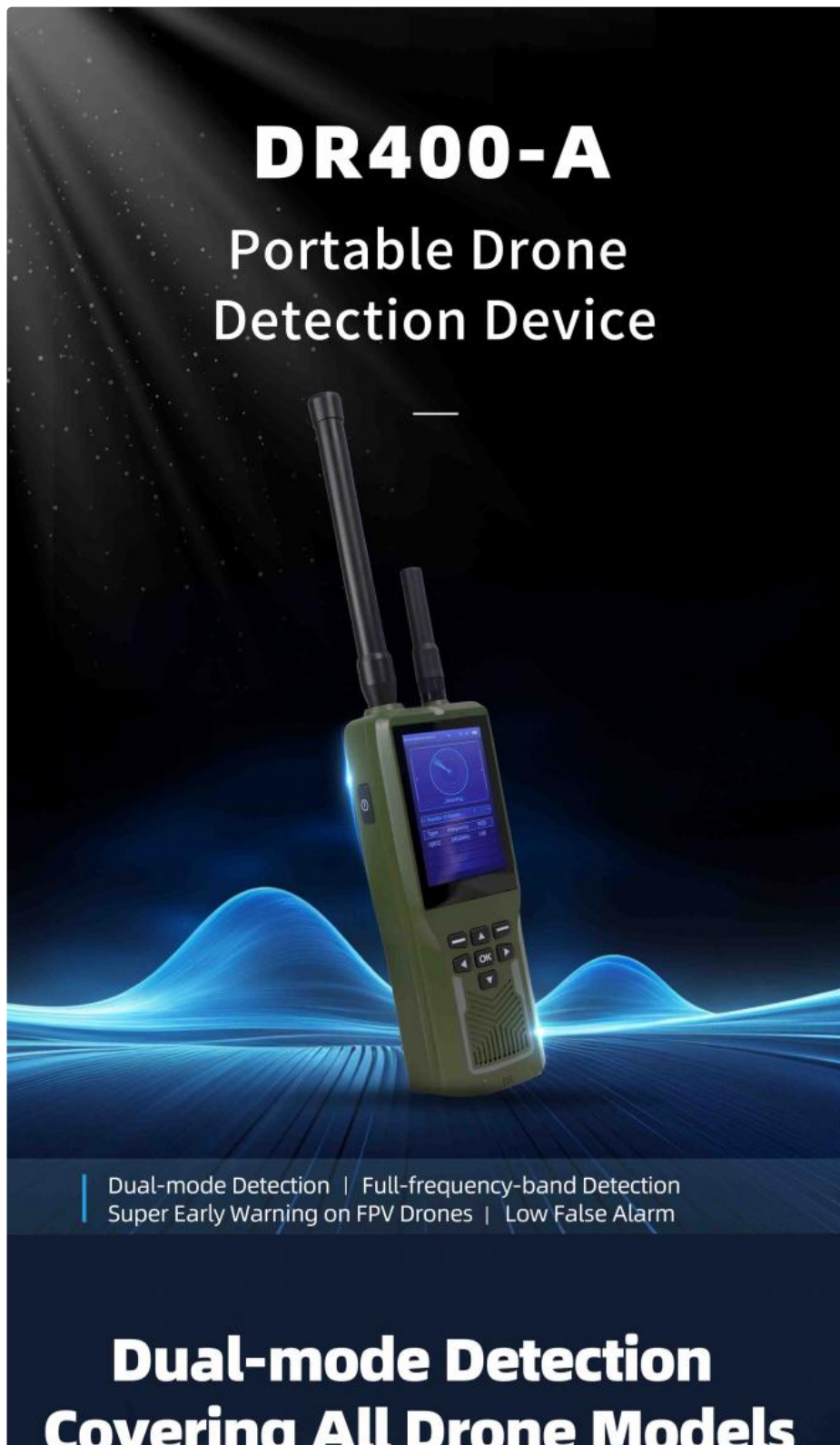
Product Description

Long Distance Portable Handheld Drone Detector

Portable long-range drone detection device with battery life exceeding 6 hours and detection range of 2km or more.

Device Overview

This handheld drone detection device integrates advanced spectrum sensing technology to effectively detect and identify various types of drones. Utilizing self-developed low-power ultra-wideband digital receiving technology, sophisticated signal detection algorithms, and advanced drone identification algorithms combined with an efficient ultra-wideband antenna, the system achieves extremely low false alarm rates even in complex electromagnetic environments.

The device accurately identifies quadcopters, fixed-wing aircraft, DIY drones, FPV drones, and other unmanned aerial vehicles, providing audible, visual, and vibration alerts upon detection.

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
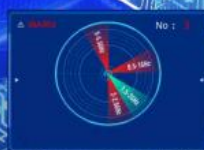
Alarm Mode: Spectrum Feature Matching Detection

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

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

...Detecting...

Number of drones:	2	
Type	Frequency	RSSI
DJIO2	2454MHz	128
DJO4L	2425MHz	128
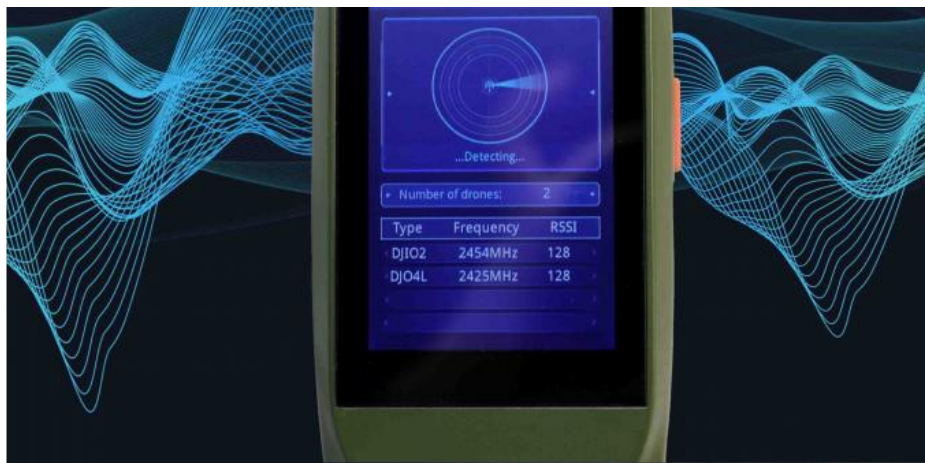
Super Early Warning on FPV Drones

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

FPV

1.5km Detection Radius

Extremely Low False Alarm

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.

Detection Capabilities

The device detects video transmission signals emitted by drones in the 5700MHz-5800MHz frequency range, which represents standard VT signal bands. Detection verification requires placing both the handheld detection device and remote controller within the same video transmission

range.

Key Features

Dual-mode detection: Switch between spectrum power detection mode and spectrum characteristic matching detection mode

Wide detection range: Accurately identifies drones from mainstream brands including DJI, Autel, and Hubsan, plus most FPV and DIY drones

Comprehensive frequency coverage: Full coverage of 70MHz-6.2GHz with 8-12 key detection frequency bands

FPV early warning: Unique baseband signal analysis and identification technology for rapid detection of DIY and FPV drones

Low false alarm rate: Advanced spectrum signal detection minimizes false alarms in complex electromagnetic environments

Technical Specifications

Parameter	Details
Identification Type	Most mainstream brand drones and FPV drones
Detection Frequency	Supports 400MHz-6GHz customized scanning, default bands: 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 to +50°C

Display Information

Display Content	Description

Detection Status	Shows that the device is in detection status
Signal Type	Detection signal type
Red Light Alarm	Icon displayed when red light alarm function is enabled
Signal Frequency	Detection signal frequency
Frequency Sweep	Icon displayed when frequency sweep function is enabled
Signal Strength	Detection signal strength
Vibration Alarm	Icon displayed when vibration alarm function is enabled
Sound Alarm	Icon displayed when sound alarm function is enabled
Battery Power	Battery power display
Target Count	Indicates the number of targets detected by the device

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 coutermeasure effects.

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

Business Partner

Frequently Asked Questions

How far is the detection range?

Under normal conditions, the detection range is two kilometers, though monitoring distance may vary depending on the radio environment.

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

Yes, detection alarms can be simultaneously conveyed to other team members through the equipped communication devices.

Does the device locate the position of the drone?

Yes, the device can locate the position of detected drones, which will be displayed on the device screen.

Can the product be customized?

Yes, we offer customization options including logo, size, color, and functional modifications.

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