Chongqing Miao Yi Tang Technology Co., Ltd.
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Handheld Drone Detector with Spectrum Sensing Technology for >2km Detection Radius and ≥6 Hours Battery Life

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DR400-E
- Minimum Order Quantity: 1
- Price: Pricing is negotiable based on order quantity
- Delivery Time: 10 work days
- Payment Terms: TT,LC
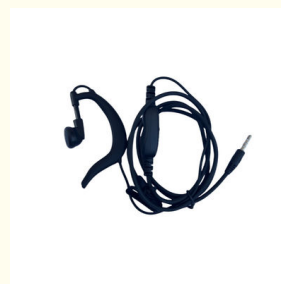- Supply Ability: 1000units per month

Product Specification

- Detection Radius: >2km
- Detection Frequency Band: 70MHz-6GHz Customized
- Alarm Method: Audible Sound, Vibration, And Light
- Battery Life: ≥6 Hours For The Main Unit; ≥12 Hours For The Wristband
- Highlight: **Handheld Drone Detector**, **Effective Drone Detector**, **Spectrum Sensing Drone Detector**

More Images

Product Description

Handheld Drone Detector with Spectrum Sensing Technology

Advanced portable system for effective drone detection and identification using spectrum sensing technology.

Device Overview

The portable drone detection system consists of a main detection unit and multiple data terminals, including the DR400E electronic tablet with transmission capabilities exceeding 1 kilometer. This integrated solution combines spectrum sensing technology with reconnaissance, display control, and team coordination functions for comprehensive drone detection, identification, and alarm signaling.

Utilizing low-power ultra-wideband digital receiving technology with advanced signal detection and drone identification algorithms, the system works with an external high-efficiency ultra-wideband antenna to accurately identify various drone types including quadcopters, fixed-wing aircraft, DIY drones, and FPV drones in complex electromagnetic environments, providing auditory, visual, and vibration alarms.

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

Main Device

Wrist Watch

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,

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)

Key Features and Highlights

Advanced Detection Capabilities: Identifies mainstream drones from DJI, Autel, Hubsan, plus FPV racing drones and DIY models

Broad Frequency Range: Custom scanning from 70MHz to 6.2GHz with default coverage of 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, and 5.8GHz bands

Extended Detection Radius: Minimum 1.5km range in clear line-of-sight and clean electromagnetic environments

Long-Range Communication: Wristband terminal communicates up to 500m in open, unobstructed settings

Rapid Response Times: Detection response under 3 seconds for 8 frequency bands, under 5 seconds for 12 bands

Detection Principles: Advanced spectrum scanning and spectrum feature recognition technology

Multiple Alarm Methods: Immediate audio, vibration, and visual alerts upon detection

User Interface: Clear 2.0-inch screen on wristband terminal

Power Supply: Removable lithium battery for operational flexibility

Extended Battery Life: Main unit: 6+ hours; Wristband terminal: 12+ hours

Compact Design: Portable dimensions of 142mm * 63mm * 38mm (L * W * H)

Robust Operating Range: Functions in temperatures from -20 to +50

Technical Specifications

Feature	Description
Detection Types	Mainstream drones (DJI, Autel, Hubsan), FPV racers, DIY drones
Frequency Range	70MHz to 6.2GHz custom scanning (default: 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz)
Detection Radius	≥1.5km (line of sight, clean electromagnetic environment)
Wristband Communication Range	≥500m (open and unobstructed)
Detection Response Time	≤3s for 8 frequency bands; ≤5s for 12 frequency bands
Detection Principle	Spectrum scanning and spectrum feature recognition
Alarm Methods	Audible sound, vibration, and light
Screen Size	2.0 inches
Power Supply	Removable lithium battery
Battery Life	≥6 hours (main unit); ≥12 hours (wristband)
Device Dimensions	142mm * 63mm * 38mm (L * W * H)
Operating Temperature	-20 to +50

Testing Information

Test Objective: Verify equipment drone detection range exceeding 3KM.

Detection Principle: Device detects video transmission signals emitted by drones.

The video transmission (VT) signal is emitted by the drone, with the drone controller serving as the receiving unit. For video verification, both the handheld detection device and remote controller must be placed in the same video. The detected frequency range of 5700MHz-5850MHz represents standard VT signal frequencies. The drone controller does not emit signals.
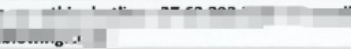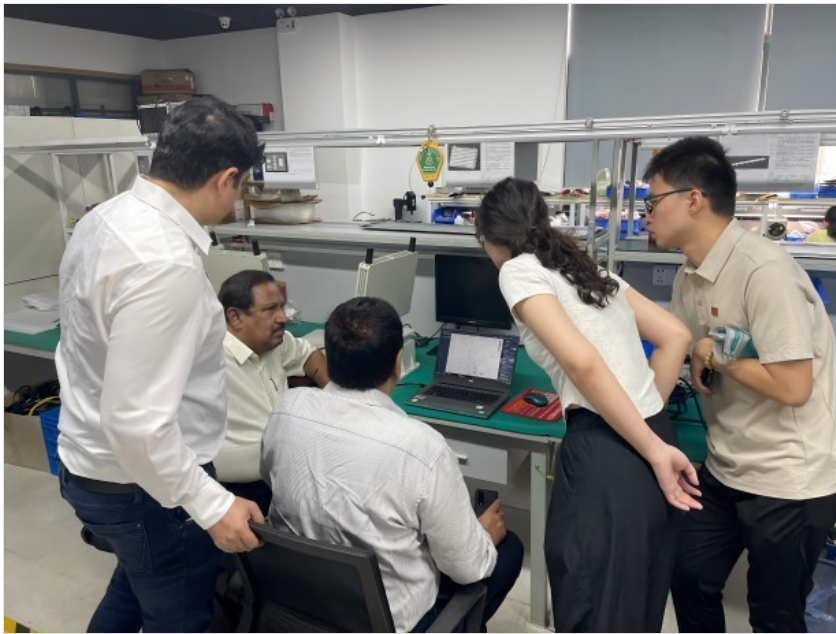
After-Sales Service

- 24-hour after-sales service support
- Online technical support for usage or quality issues
- 3-month return policy from dispatch date for undamaged products
- Full refund or product modification options available
- DDP shipping agreement applicable

Business Partnerships

African 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 ~~~~~~~~~~~~~~
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Certifications

报告编号：公沪检202342333

检验检测报告

样品名称	手持无人机侦测反制设备
型号规格	DR300-1
受检单位	江西中科智鹏物联科技有限公司
检测类别	委托检测

公安部第三研究所
国家安全防范报警系统产品质量检验检测中心(上海)
公安部安全防范报警系统产品质量监督检验测试中心

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中国认可
国际互认
检测
TESTING
CNAS L0531

160021020992 （2019）国认监认字（274）号
210020024472

公京检第 2209310013 号

检 验 报 告

产品名称：无人机侦测反制一体化设备

型号规格：DR200-AB 型

受检单位：江西中科智鹏物联科技有限公司

检验类别：委托检验

报告日期 2022 年 9 月 15 日 ［公 章］

国家安全防范报警系统产品质量检验检测中心（北京）
公安部安全与警用电子产品质量检测中心

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CNAS L0631

中国认可
国际互认
检验
INSPECTION
CNAS IB0245

公京检第 2209310054 号

检 验 报 告

产品名称: 手持式无人机反制设备

型号规格: DR300 型

受检单位: 江西中科智鹏物联科技有限公司

检验类别: 委托检验

报告日期 2022 年 9 月 16 日   [公章]

国家安全防范报警系统产品质量检验检测中心（北京）

公安部安全与警用电子产品质量检测中心

中华人民共和国国家版权局

计算机软件著作权登记证书

软 件 名 称： 智慧人防网格化管理系统
V1.0

著 作 权 人： 江西中科智鹏物联科技有限公司

开发完成日期： 2023年03月01日

首次发表日期： 2023年03月02日

权利取得方式： 原始取得

权 利 范 围： 全部权利

登 记 号： 2023SR1061239

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计算机软件著作权
登记专用章

2023年09月14日

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检测
TESTING
CNAS L0531

160021020992 （2019）国认监认字 (274) 号
210020024472

公京检第 2206110199 号

检 验 报 告

产品名称: 智能周界防御系统

型号规格: DP200

受检单位: 江西中科智鹏物联科技有限公司

检验类别: 委托检验

报告日期 2022 年 7 月 11 日 [公 章]

国家安全防范报警系统产品质量检验检测中心（北京）
公安部安全与警用电子产品质量检测中心

报告编号:公沪检202241970

检验检测报告

样品名称	手持无人机侦测反制设备
型号规格	DR300-1
受检单位	江西中科智鹏物联科技有限公司
检测类别	委托检测

国家安全防范报警系统产品质量检验检测中心(上海)
公安部安全防范报警系统产品质量监督检验测试中心

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(2020)国认监认字(275)号

ILAC-MRA CNAS
中国认可
国际互认
检测
TESTING
CNAS L0653

检验检测报告

样品名称	无人机侦测定位系统
型号规格	DR360
受检单位	江西中科智鹏物联科技有限公司
检测类别	委托检测

国家安全防范报警系统产品质量检验检测中心（上海）
公安部安全防范报警系统产品质量监督检验测试中心

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中华人民共和国国家版权局

计算机软件著作权登记证书

证书号： 软著登字第10368530号

软 件 名 称： 三维应急演练及培训系统
V1.0

著 作 权 人： 江西中科智鹏物联科技有限公司

开发完成日期： 2022年03月16日

首次发表日期： 2022年05月11日

权利取得方式： 原始取得

权 利 范 围： 全部权利

登 记 号： 2022SR1414331

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No. 11751647

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登记专用章

2022年10月25日

中华人民共和国国家版权局

计算机软件著作权登记证书

证书号： 软著登字第10447697号

软 件 名 称： 双重预防机制系统
V1.0

著 作 权 人： 江西中科智鹏物联科技有限公司

开发完成日期： 2022年04月13日

首次发表日期： 2022年04月19日

权利取得方式： 原始取得

权 利 范 围： 全部权利

登 记 号： 2022SR1493498

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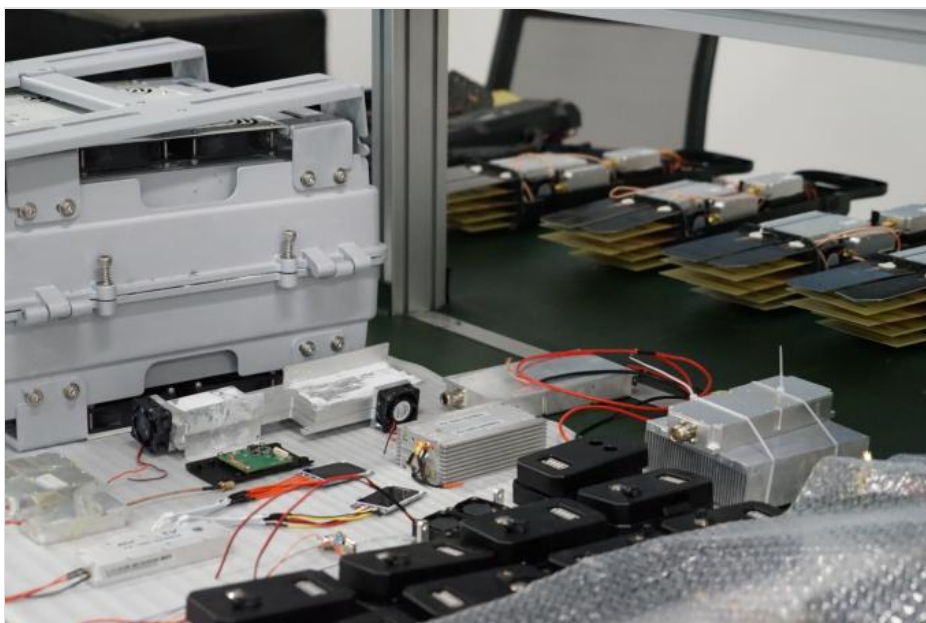
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No. 11850614

中华人民共和国国家版权局
计算机软件著作权
登记专用章

2022年11月11日

中华人民共和国国家版权局

计算机软件著作权登记证书

证书号：软著登字第11405626号

软件名称： 支持避障和车辆动力学的混合A星规划算法统计平台 V1.0

著作权人： 江西中科智鹏物联科技有限公司

开发完成日期： 2023年03月04日

首次发表日期： 2023年03月05日

权利取得方式： 原始取得

权利范围： 全部权利

登记号： 2023SR0818455

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No. 13218220

2023年07月06日

Company Profile

Chongqing Miao Yitong Technology Co., Ltd. specializes in anti-drone and unmanned intelligent defense management solutions. With technical support from the AI Internet of Things Research Institute of the Chinese Academy of Sciences and collaborations with multiple intelligent AI companies, we have established research laboratories for AI unmanned field products, accumulating various technical patents.

Our products provide comprehensive unmanned automatic management solutions for defense and perimeter areas, including AI anti-drone systems and AI unmanned vehicle patrol systems. These integrated systems incorporate optoelectronics, radar, vibration sensing, thermal imaging, facial recognition, and radio frequency management technologies, delivering 24-hour uninterrupted anti-drone defense and ground perimeter defense warning systems that reduce client costs, optimize human resource allocation, and ensure safety of lives and property.

Packaging and Delivery

We support multiple logistics methods including shipping, air freight, water transport, and express delivery, covering 90% of 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