

FPV Racing Watch Recognizes Non-standard Drone Fingerprints Above A Stock Band Plan

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CE, FCC, ISO9001
- Model Number: DF-04
- Minimum Order Quantity: 2
- Price: Pricing is negotiable based on order quantity
- Delivery Time: 10 work days
- Payment Terms: L/C, T/T
- Supply Ability: 1000units per month



Product Specification

- Feature: Remote Control
- Range Of Radar: 3KM-5KM
- Transmission Frequency Band: 9 Bands
- Azimuth Coverage: $\geq 90^\circ$
- Working System: Directional Antenna
- Working Band: 300MHz-6000MHz
- Power: 600W
- Application: Public Places
- Effective Detection Range: 1KM-3KM
- Elevation Coverage: 360°
- Highlight: FPV racing drone signal detector, non standard frequency hopping fingerprint, 9 band spectrum recognition



More Images



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Product Description

Race airspace does not follow the catalogue. Pilots reflash firmware, swap VTX channels and push power levels outside the standard plan. A detector built around fixed band expectations will watch the crowd fly straight past it — so this build starts from fingerprint recognition instead.

Recognition, Not Just Threshold

Fingerprint matching

Non-standard frequency-hopping radio patterns are recognised as FPV traffic, including modified links that no longer match a stock profile.

Analog and digital

Both FPV uplink and downlink families are covered across the mainstream bands, so a mixed fleet is handled by one receiver.

9-band analysis

The spectrum is broken into nine recognisable segments, giving each emitter a position in a known band rather than an anonymous spike.

Live strength view

Signal strength is displayed in real time while the receiver runs, which is how an operator tells a distant racer from a nearby controller.

Editable scan plan

Scan bands can be redefined on site to match the local FPV environment instead of a factory default.





Applied to a Race Weekend

- Before the heats** — run a scan of the course and record the channels actually in use, including the pilots' modified setups.
- During the heats** — watch strength curves and bearings to spot a transmitter that does not belong to the entry list.
- After an incident** — band position plus bearing explains where a stray video link came from, which channel it sat on, and when it appeared.
- Practice sites** — DIY builders can confirm their own aircraft radiates where they intended before flying near others.

Receiver Data

Receiver principle	SDR signal source with spectrum feature recognition
Band segments	300MHz-1000MHz / 1000MHz-3000MHz / 3000MHz-6000MHz, customizable scan plan
Spectral segmentation	9-band recognition output
FPV link families	Analog and digital uplink plus downlink
Detection radius	3-5KM
DID / RID read range	3KM
Azimuth sector	≥90°
Elevation sector	360°

Bearing mode	Automatic direction finding
Power per SDR channel	100W
1:1 working distance	1-2KM
Temperature window	-40 to +55
Net weight	≤45kg

Where It Earns Its Place

Race organisers, hobby clubs and site owners running open practice sessions all face the same problem: the transmitter list and the aircraft list never match. Feature recognition closes that gap without demanding that every pilot fly a compliant airframe, and the editable scan plan means the same unit can be moved from a race course to a workshop test bench without returning to a default configuration.

Company Background

Chongqing Miao Yi Tang Technology Co., Ltd. builds this unit. The company was established with USD 12 million of funding and cooperates with the IoT Research and Development Center of the Chinese Academy of Sciences and Sichuan University Zhisheng Software Co., Ltd. (002253). Its programme of work is AIoT cloud-plus-edge architecture, uniting electromagnetic, optoelectronic, visual and positional sensing into one integrated ground and low-altitude security picture.

Certifications





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170009020967



(2020) 徽认监认字(275)号



中国认可
国际互认
检测
TESTING
CNAS L0653

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



中国认可
国际互认
检测
TESTING
CNAS L0531

160021020992 (2019) 国认监认字 (Z74) 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
检验检测专用章



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中国认可
国家互认
检测
TESTING
CNAS L0653

报告编号: 公沪检202244994

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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计算机软件著作权登记证书

证书号：软著登字第11648415号

软件名称：智慧园区资管系统
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02月10日

首次发表日期：2023年02月11日

权利取得方式：原始取得

权利范围：全部权利

登记号：2023SR1061242

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证书号：软著登字第11648412号

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

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2023年09月14日

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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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2022年11月11日



Supply and Support

Units ship with the scan plan pre-loaded for the customer's own band findings, and a recognition library note describing which FPV link families are currently covered. Our engineers handle channel-level questions remotely, and firmware or library updates are issued as new VTX and receiver families reach the market.

Receiver figures describe the standard build; the scan plan and recognition coverage list are confirmed when the order is placed.



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