

Advanced Anti Drone Module with 5km Detection Radius 3km Jamming Radius and 300MHz-6000MHz Detection Frequency

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DF-04
- Minimum Order Quantity: 1
- Price: 30,300
- Delivery Time: 10 work days
- Payment Terms: L/C,T/T
- Supply Ability: 1000units per month



Product Specification

- Detection Frequency: 300MHz -6000MHz
- Direction Finding Accuracy: $\leq 30^\circ$ (spectrum), $\leq 0.5^\circ$ (Drone ID)
- Detection Radius: 5km
- Jamming Frequency: 433MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 1.6GHz, 2.4GHz, 5.2GHz, 5.8GHz (customizable)
- Jamming Radius: 3km
- Working Time: Built-in Battery: Detection Time For 1h; Jamming Time For 30 Mins / External Battery: Detection Time For 5h; Jamming Time For 40 Mins / Customizable External Battery: Detection Time For 10h; Jamming Time For 2
- Power Supply: Built-in Battery, External Power Adapt
- Working Temperature: $-20 \sim +55$
- Product Type: Shield-shaped Design
- Power Consumption: $\leq 650w$

Integrated Drone Detection & Jamming Defender

1, Overview

The multi-mission defender represents a sophisticated integration of detection and jamming capabilities in a single, comprehensive counter-UAV solution.

Employing dual-layer identification protocols, the system accurately detects unauthorized drones through advanced spectrum characteristic analysis and Drone ID verification. This multi-faceted approach ensures reliable identification of potential threats while minimizing false alarms.

Once an unauthorized UAV is detected, the system deploys targeted electromagnetic suppression technology to interfere with and block drone communication signals. This precision jamming capability enables operators to force non-compliant drones to either return to their point of origin or execute a controlled landing, providing a flexible response to aerial threats without causing unnecessary collateral interference.

2, Feature

The anti-drone system represents a significant advancement in integrated security technology, combining both detection and jamming functionalities within a single, high-performance device. This innovative integration eliminates the need for multiple separate systems, streamlining deployment and operation while reducing overall complexity. A single unit can effectively detect unauthorized drones and immediately initiate appropriate countermeasures, providing seamless protection against aerial threats without requiring additional equipment or manual intervention between detection and response phases.

One of the most impressive aspects of this system is its exceptional operational range, making it suitable for protecting large areas and critical infrastructure. With a detection radius of at least 5 kilometers, the system can identify potential threats at significant distances, providing valuable response time before unauthorized drones approach sensitive airspace. Complementing this extensive detection capability is a jamming radius of at least 3 kilometers, ensuring that once a threat is identified, the system can neutralize it effectively from a safe distance, preventing potential incursions into restricted areas.

Designed for extended field operation, the system features an ultra-long battery life thanks to its large-capacity rechargeable battery. This power-efficient design allows for prolonged deployment without requiring frequent recharging, making it ideal for perimeter security, temporary event protection, or remote location monitoring. The robust battery system ensures continuous operation even in situations where external power sources may be unavailable, providing reliable security coverage whenever and wherever it's needed.

The system incorporates advanced automatic library adding functionality, enabling it to adapt to evolving drone technologies and emerging threats. This capability allows the expansion of the drone spectrum feature library through both on-site manual and automatic signal collection methods. As new drone models and communication protocols emerge, the system can update its threat database in real-time, ensuring that it remains effective against the latest UAV technologies. This adaptive approach guarantees long-term effectiveness and future-proofs the investment in drone defense infrastructure.

3, Technical Specifications

Detection Frequency	300MHz-6000MHz
Direction Finding Accuracy	≤30° (spectrum), ≤0.5° (Drone ID)
Detection Radius	5km
Jamming Frequency	433MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 1.6GHz, 2.4GHz, 5.2GHz, 5.8GHz (customizable)
Jamming Radius	3km
Working Time	Built-in battery: Detection time for 1h; Jamming time for 30 mins / External battery: Detection time for 5h; Jamming time for 40 mins / Customizable external battery: Detection time for 10h; Jamming time for 2h
Power Supply	Built-in battery, external power adapter
Working Temperature	-20°C~+55°C
Product Type	Shield-shaped design
Power Consumption	≤650w

4, Application Scenarios



5, Certification Certificate



6, 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.



7, Customer 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.

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



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