

Multi-mission Anti Drone Jammer with 5km Detection Radius and 3km Jamming Radius for Critical Airspace Protection

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: $\leq 650w$

Unified UAV Detection & Jamming Platform

1, Overview

The cutting-edge multi-mission defender combines detection and jamming capabilities to provide comprehensive protection against unauthorized drone incursions within critical airspace. This is of utmost importance for infrastructure protection, event security, and other related applications.

At its heart lies sophisticated detection technology that utilizes dual-layer protocols. This technology monitors the electromagnetic spectrum, analyzes the signal characteristics of drones, and verifies Drone ID information in real time. It is even capable of identifying low-power signals.

Complementing the detection function is the utilization of state-of-the-art suppression technology. Once a threat is detected, the system can selectively jam signals across customizable frequency bands. Precision jamming is achieved through the use of adaptive beamforming.

The system's algorithms are designed to determine the optimal responses. They can compel non-compliant drones to return to their launch points or guide them to a safe landing.

This system offers several key advantages over traditional systems: a compact design that enables flexible deployment, an intuitive user interface (UI) for real-time threat management, and machine learning capabilities that allow it to adapt to emerging threats.

2, Feature

The anti - drone system represents a significant advancement in the domain of integrated security technology. It adeptly integrates the essential functions of detection and jamming within a single, high - performance device. This innovative integration is revolutionary as it eliminates the need for multiple separate systems. Consequently, it streamlines the deployment and operation processes, concurrently reducing the overall complexity of the security configuration. A single unit of this system is not only capable of effectively detecting unauthorized drones but can also promptly implement the appropriate countermeasures. This seamless transition from detection to response offers continuous protection against aerial threats, all without the requirement for any additional equipment or manual intervention between the two stages.

One of the most prominent features of this system is its exceptional operational range. This characteristic renders it an ideal solution for safeguarding large areas and critical infrastructure. With a detection radius of at least 5 kilometers, the system can identify potential threats from a considerable distance. This early detection provides valuable response time, enabling security personnel to take action well before unauthorized drones enter sensitive airspace. Complementing this extensive detection capacity is a jamming radius of at least 3 kilometers. This ensures that once a threat has been identified, the system can effectively neutralize it from a safe distance, thereby preventing any potential intrusions into restricted zones.

Designed for long - term field operation, the system is equipped with an ultra - long battery life, which is due to its large - capacity rechargeable battery. This power - efficient design allows the system to be deployed for extended durations without the need for frequent recharging. As a result, it is highly suitable for applications such as perimeter security, temporary event protection, or monitoring remote locations. The robust battery system ensures continuous operation even in situations where external power sources are unavailable, providing reliable security coverage whenever and wherever it is needed.

The system also incorporates an advanced automatic library - adding functionality. This feature enables it to adapt to the constantly evolving drone technologies and emerging threats. Through both on - site manual and automatic signal collection methods, the system can expand its drone spectrum feature library. As new drone models and communication protocols emerge, the system can update its threat database in real - time. This ensures that it remains effective against the latest unmanned aerial vehicle (UAV) technologies. This adaptive approach not only guarantees the long - term effectiveness of the system but also future - proofs the investment made in the 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, 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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