Advanced Anti Drone Jammer with 5km Detection Radius 3km Interference Radius and IP66 Protection for Comprehensive UAV Defense

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DF-07
- Minimum Order Quantity: 1
- Price: 29,500
- Delivery Time: 10 work days
- Payment Terms: L/C,T/T
- Supply Ability: 1000units per month

Product Specification

- Interference Frequency: 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 1.6GHz, 2.4GHz, 5.2GHz, 5.8GHz (customizable)
- Multiple Algorithms: Spectrum, Drone ID, Remote ID
- Detection Frequency: 300MHz -6000MHz
- Working Temperature: -40 +60
- Detection Radius: 5km
- Interference Radius: 3km
- Power Consumption: ≤800W
- Protection Level: IP66
- Highlight: **5km Detection Radius Anti Drone Jammer**, **3km Interference Radius Counter-UAV System**, **IP66 Protection Drone Defense System**

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Product Description

Professional Anti-Drone System

1, Overview

The Fixed Multi-Mission Defense System represents a pinnacle of integrated counter-UAV technology, seamlessly combining advanced detection capabilities with precision jamming functionality in a single, robust platform. Leveraging sophisticated spectrum analysis algorithms operating across the 300MHz to 6000MHz frequency range, the system continuously monitors airspace for unauthorized drone activity while employing advanced Drone ID and Remote ID verification protocols to accurately authenticate UAVs and identify potential threats.

Utilizing a multi-layered detection approach that combines RF signal analysis, acoustic sensing, and machine learning pattern recognition, the system achieves exceptional detection accuracy with a radius of up to 5 kilometers, ensuring early identification of potential incursions before they pose a threat. Once an unauthorized drone is detected, the system automatically classifies the threat based on factors including flight characteristics, communication protocols, and known threat profiles.

Employing targeted electromagnetic suppression technology, the system delivers precise jamming signals across customizable frequency bands including 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 1.6GHz, 2.4GHz, 5.2GHz, and 5.8GHz. This adaptive jamming capability allows operators to selectively disrupt specific communication links while minimizing collateral impact on legitimate radio systems operating in the vicinity.

The system's sophisticated control algorithms determine the optimal response strategy based on threat assessment, geography, and operational requirements, compelling non-compliant UAVs to either return to their point of origin through GPS spoofing or execute a controlled landing through communication link disruption. All operations are conducted within strict compliance with relevant regulatory frameworks to ensure legal and ethical deployment.

Engineered for continuous operation in demanding environments, the system features an IP66-rated enclosure that provides superior protection against water ingress, dust contamination, and extreme temperature variations ranging from -40°C to +60°C. With a power consumption profile optimized for extended deployment and remote operation capabilities, the Fixed Multi-Mission Defense System represents the ultimate solution for protecting critical infrastructure, sensitive facilities, and high-security installations from unauthorized drone incursions.

2, Feature

The UAV Detection and Jamming System represents a state-of-the-art solution for comprehensive counter-UAV protection, integrating four advanced core capabilities into a unified defense platform. Engineered with cutting-edge 2-in-1 integration architecture, the system seamlessly combines high-precision detection algorithms with adaptive jamming functionality within a single, ruggedized unit, delivering exceptional operational efficiency while minimizing logistical complexity and deployment footprint. This integration enables simultaneous threat identification and neutralization capabilities, providing real-time situational awareness and immediate response to emerging UAV threats.

Featuring military-grade 360° omnidirectional jamming coverage, the system utilizes sophisticated phased-array technology to transmit uniform, high-power interference signals across all azimuths and elevations, creating an impenetrable protective bubble that eliminates coverage blind spots and ensures complete threat neutralization regardless of approach vector or flight profile. The adaptive power management system optimizes signal distribution to maintain consistent jamming effectiveness throughout the entire coverage area.

Equipped with intelligent selectable frequency jamming capabilities, the system offers operators unprecedented flexibility to deploy tailored countermeasures against specific UAV models and communication protocols. Supporting both single-frequency targeting and multi-frequency simultaneous jamming across the entire 400MHz to 5.8GHz spectrum, the system can be precisely configured to address evolving threat landscapes while minimizing collateral impact on authorized communication systems.

Demonstrating exceptional environmental resilience, the system maintains reliable performance in the most challenging operational environments, including complex electromagnetic environments with high levels of RF interference. Constructed to meet IP66 environmental protection standards, the ruggedized enclosure provides superior resistance to water ingress, dust penetration, and extreme temperature variations ranging from -40°C to +60°C. This robust design ensures continuous, uninterrupted operation even under harsh field conditions, delivering consistent protection for critical infrastructure, sensitive facilities, and high-value assets.

3, Technical Specifications

Multiple Algorithms	Spectrum, Drone ID, Remote ID
Detection Frequency	300MHz-6000MHz
Detection Radius	5km
Interference Frequency	400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 1.6GHz, 2.4GHz, 5.2GHz, 5.8GHz (customizable)
Interference Radius	3km
Power Consumption	≤800W
Working Temperature	-40°C～+60°C
Protection Level	IP66

4, Application Scenarios

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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.

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