Directional Anti Drone Jammer with 5-10km Jamming Radius 300MHz-6000MHz Working Frequency and 10-20km Spoofing Radius for Comprehensive Drone Signal Blocking

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DF-05
- Minimum Order Quantity: 1
- Price: 43,620
- Packaging Details: 560mm *570 mm *873 mm
- Delivery Time: 10 work days
- Payment Terms: L/C,T/T
- Supply Ability: 1000units per month

Product Specification

- Working Frequency: 300MHz -6000MHz SDR
- Jamming Radius: 5-10km (vary Depending On The Environment And Model)
- Spoofing Frequency: GPS L1CA 、GLONASS G1 、BDS B1I 、GALILEO E1
- Spoofing Radius: 10-20km (target-guided), 3-5km (non -target-guided)
- Response Time: 3s
- Operation Angle: Jamming: Horizontal 0°-360 °, Vertical-10°~+60 ° Spoofing: Horizontal 0°-360 °, Vertical-30°~+30
- Power Consumption: 2500w
- Dimension (L*W*H): 560mm *570 Mm *873 Mm
- Protection Level: IP66
- Working Temperature: -40 ~+60
- Weight: 85kg
- Jamming Channel And CH1: 300MHz-1000MHz 100W CH2:

Our Product Introduction

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Product Description

Directional Anti Drone Jammer for Blocking Drone Communication and Navigation Signals

1, Overview

The full-band directional jamming and spoofing integrated device employs high-power directional signal transmission to create targeted electronic shielding zones through sector-specific jamming capabilities. This sophisticated technology effectively disrupts communication links between unauthorized drones and their operators while simultaneously interfering with satellite navigation and positioning signal reception by the UAVs.

By focusing jamming signals in specific directions, the system creates controlled electronic barriers that prevent drone incursions into protected airspace without causing unnecessary interference to other radio systems. This precision approach allows security personnel to establish effective perimeters around critical infrastructure, sensitive facilities, or restricted areas, ensuring comprehensive protection against aerial threats.

The dual functionality of communication blocking and navigation disruption provides a multi-layered defense strategy. In addition to severing the control link between drones and operators, the system's ability to interfere with satellite signals prevents GPS-guided autonomous flight, ensuring complete neutralization of potential threats regardless of their operating mode.

2, Feature

The anti-drone system provides protection against diverse unmanned aerial vehicles, making it ideal for multifaceted security applications. It effectively neutralizes common consumer drones used recreationally, specialized industrial UAVs for commercial operations, model aircraft, FPV racing drones, and even custom-built DIY drones. This versatility ensures complete coverage regardless of UAV type or modification level.

A standout feature is the system's impressive 5-10 kilometer jamming radius, enabling protection of large facilities, critical infrastructure, and expansive events without multiple deployments. This extensive coverage ensures early threat detection and neutralization, providing security personnel with valuable response time before unauthorized drones approach sensitive areas.

Equipped with advanced gimbal following technology, the system incorporates a high-speed gimbal drive mechanism working in seamless conjunction with sophisticated detection and positioning equipment. This integration enables precise 360° target following, ensuring continuous tracking and jamming of moving drones even during direction or altitude changes. The responsive gimbal maintains lock-on capability regardless of the drone's speed or maneuverability, delivering persistent neutralization until threats are eliminated.

The system offers highly customizable jamming through intuitive software controls. Security operators can adjust jamming frequency bands and bandwidth parameters to address specific operational requirements or emerging threats. This flexibility allows adaptation to different drone communication protocols and evolving UAV technologies, ensuring long-term effectiveness against current and future drone models. The user-friendly software interface simplifies parameter configuration according to changing security needs.

3, Technical Specifications

Working Frequency	300MHz-6000MHz（SDR）
Jamming channel and power	CH1: 300MHz-1000MHz, 100W CH2: 1000MHz-2500MHz, 100W CH3: 2400MHz-4000MHz, 100W CH4: 4000MHz-6000MHz, 100W CH5: 5725MHz-5850MHz, 100W CH6: 1575MHz-1620MHz, 50W (Navigation Jamming) CK7: 1550MHz-1650MHz, 10W (Navigation Deception)
Jamming Radius	5-10km (vary depending on the environment and model)
Spoofing Frequency	GPS L1CA、GLONASS G1、BDS B1I、GALILEO E1
Spoofing Radius	10-20km (target-guided), 3-5km (non-target-guided)
Response Time	3s
Operation Angle	Jamming: Horizontal 0°-360°, Vertical-10°~+60° Spoofing: Horizontal 0°-360°, Vertical-30°~+30
Power Consumption	＜2500w
Dimension (L*W*H)	560mm*570mm*873mm
Protection Level	IP66
Working Temperature	-40°C~+60°C
Weight	＜85kg

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.

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