Omnidirectional Anti Drone UAV System Radar And Spectrum Detection GPS Spoofing Countermeasure

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Model Number: Owl
- Minimum Order Quantity: 1
- Price: Negotiate based on the quantity of the order
- Delivery Time: 10 work days
- Payment Terms: L/C, T/T
- Supply Ability: 100 units per month

Product Specification

- Radio Detection Distance: ≥5km
- Anti Drone Range: ≥1.0km
- Radar Detection Distance: ≥1.5km
- Radar Frequency: C Band
- Highlight: **Omnidirectional Anti Drone UAV System**,
  GPS Spoofing Anti Drone System,
  Spectrum Detection Anti Drone System

Product Description

Omnidirectional Anti Drong UAV System Radar and Spectrum Detection GPS Spoofing

1, Product Introduction

In recent years, the rapid development of drone technology has led to a sharp increase in the number of drones, which has also brought safety risks such as privacy invasion, illegal intrusion, and terrorist attacks. To cope with these challenges, anti-drone technology has emerged. Anti-drone technology uses radar detection, radio interference, and optoelectronic identification to monitor, identify, and combat drones, effectively curbing the misuse and illegal activities of drones.

The "Cat Head Eagle" anti-drone system is a dedicated drone defense system designed for critical areas. This system was developed to protect against drone threats and to monitor hazardous objects in critical regions. It involves using surveillance equipment to manage and track drone activities. The system facilitates activities aimed at controlling drones within the protected area, detecting and guiding operations to prevent unauthorized drones from entering critical protection zones.

2, System Features

1) **High Integration**
High integration of scientific anti-drone system equipment to ensure device stability and reliability. Designed through structural optimization, it can be set up in 15 minutes without needing complex installation, allowing for easy deployment to terminals.

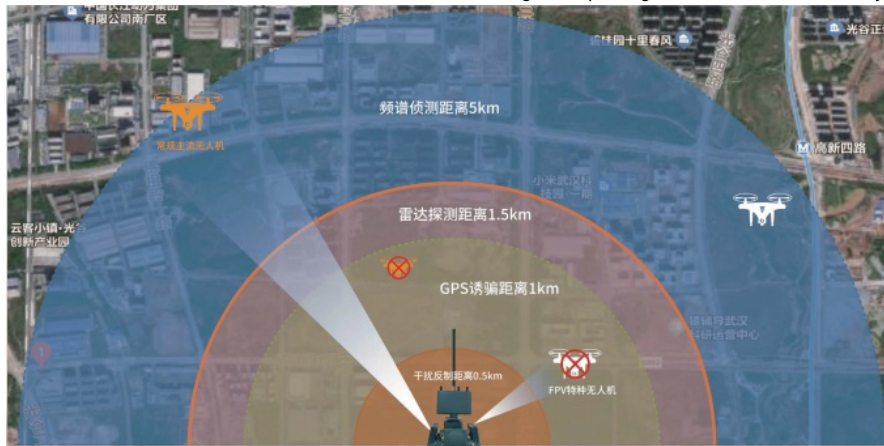2) **Automatic Induction for Security Control**
Automatically activates countermeasures for targets within 1 km of the protected area to ensure safety, controlling the airspace within a 500-meter radius of the target.

3) **Wide Application**
Suitable for various environments, critical areas, and important facilities to ensure effective protection.

4) **Multi-Dimensional Detection Fusion**
Multi-dimensional detection ensures accurate detection of targets, improving effectiveness and reliability.

3, Hardware Components

1) GPS Spoofing Transmit Antenna
2) GPS Spoofing Receive Antenna
3) Multifunctional Radar Array
4) Data Transmission Box / Power Supply Box
5) 4* Countermeasure Array
5) Service Turntable

4, software interface function

The equipment management system consists of three parts: function area, display area, and management area.

1) Function Area

Event Tracking: Playback is used to trace and capture events that trigger alarms and images, thereby reflecting the situation of the event.

Alarm Settings: Set the alarm area and choose from four levels of response alarms.

Tool Area: Measurement, Measure distance, mark flags, and set alarm sounds (on/off), as well as switch maps.

Countermeasure: Jamming devices within 500 meters, and within 500 meters of the core protection area; spoofing devices can reach up to 1 km within the area categorized as a secondary defense zone.

2) Display Area

Alarm Information Display Area: Displays the targets in the alarm area.

Time Display Area: Shows the time (Beijing time/default system time).

Detection Area: Radar equipment detects targets and displays the target map and trajectory, allowing for visual tracking of the target.

User Device Management Area: Manages user login, registration, logout, and permission switches based on requirements.

3) Management Area

Device Status Display: Displays DB status and the number of targets in the area.

Main Function Operations: Main function operations: Allows system functionality to be expanded or minimized (expand, reduce, close), and to exit the entire system.

Drone Protection: Automatically activates countermeasures against targets within 1 km of the protected area, allowing control from the designated target distance.

5, Specification

Category	Specification
Active Detection	
Maximum Detection Distance	≥1.5km
Minimum Detection Distance	≤100m
Azimuth Coverage	360°
Elevation Coverage	30°
Radar Frequency	C Band
Passive Detection	
Passive Frequency Band	2400-2500MHz, 5725-5850MHz (expandable)
Passive Detection Radius	>5km
Countermeasure	
Jamming Frequency Band	1560-1620MHz, 400-2500MHz, 5150-5850MHz
Spoofing Frequency Band	1.57542MHz±1.023MHz (GPS-L1), 1602MHz+N*5625kHz (GLONASS-L1)
Effective Range	≥1.0km
Core No-Fly Zone	>500m
Device Specifications	

Category	Specification
Operating Time	≥24h
Power Supply Voltage	AC180V-250V
Power	≤100W (Detection Mode), <600W (Countermeasure Mode)
Operating Temperature	-40°C to 55°C
Storage Temperature	-45°C to 65°C

6, Application Fields

1) Military Installations   2) Military Camps 3) Important Meetings

7, 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.

8, Certification Certificate

The product has obtained dual certification from the Ministry of Public Security and the National Security Center, and is capable of adapting to various severe incidents, possessing military-grade quality.

9, Packing and Shipping

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