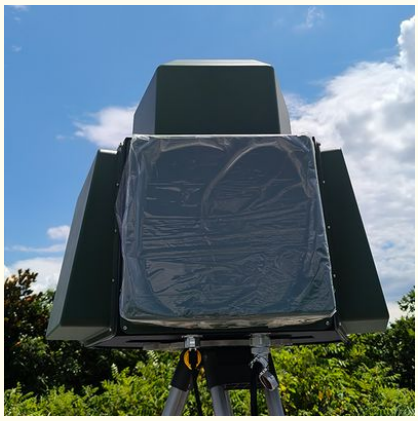
Vehicle-based Drone Detection And Countermeasure System

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DR100-AB 8
- Minimum Order Quantity: 1
- Price: Pricing is negotiable based on order quantity
- Delivery Time: 10 work days
- Payment Terms: L/C,T/T
- Supply Ability: 1000units per month



Product Specification

- Spectrum: 300MHz~ 6GHz
- View Angle: Horizontal: 0° To 360°, Vertical: -90° To 90°
- Detection Radius: 5km (may Vary Depending On The Environment And Model)
- FPV Simulation Transmission Detection Range: ≥1.5km (real-time Video Available)
- Interference Frequency Band: 868M/915M/1.2GHz/1.4ghz/1.5GHz/2.4GHz/5.2GHz/5.8GHz
- Response Time: ≤3s
- Power Consumption: ≤ 30 00W
- Working Temperature: -20~+60 ±2
- Storage Temperature: -60~+85 ±2
- Weight Of Equipment: 49.75kg
- Highlight: **handheld drone detector system**, **vehicle-based drone countermeasure**, **portable drone detection device**

Product Description

DR100-AB(8) Carborne UAV Detection and Defense Equipment

1, Product Overview

The integrated vehicle - mounted drone detection and countermeasure system embodies a highly sophisticated technological solution. It effectively integrates three key technologies: radio detection, protocol cracking, and spectrum scanning. These technologies collaborate in harmony to accurately identify and subsequently neutralize unauthorized drones.

Specifically, the radio detection technology of the system enables it to sense the presence of drones by detecting the radio signals they emit. The protocol cracking technology endeavors to analyze the communication protocols employed by drones, facilitating a deeper understanding of their operational mechanisms. The spectrum scanning technology scans the electromagnetic spectrum to detect any abnormal signals potentially associated with drones.

By meticulously analyzing the characteristic signals exclusive to drones, the system is capable of detecting and precisely identifying aircraft on the blacklist. This ensures the prompt identification of any potentially malicious or unauthorized drones.

Moreover, by deploying radio jamming and blocking techniques, the system offers a high level of low - altitude security protection. It is engineered to safeguard vehicle convoys with a length of up to 3 kilometers and traveling at high speeds of 150 km/h. This indicates that even in a rapid - paced and dynamic environment, the system can effectively counter the threat posed by unauthorized drones, thereby ensuring the safety and security of vehicle convoys in the low - altitude airspace.

2, Specification

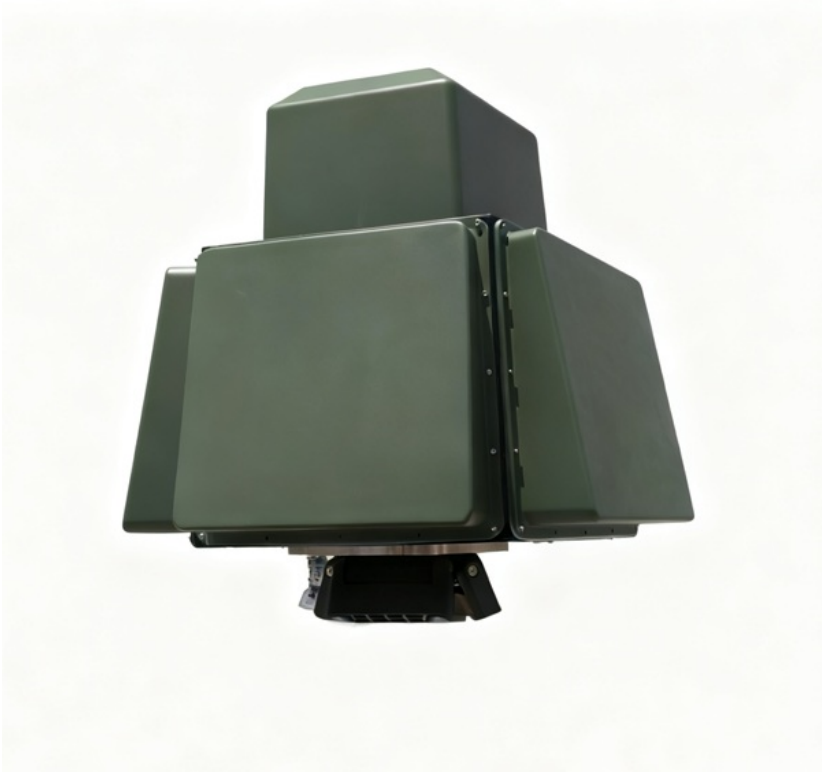
name	performance index
Detection Mode	Passive detection: does not actively transmit wireless signals during detection
Spectrum	3 00MHz~ 6GHz
View Angle	Horizontal: 0° to 360°, vertical: -90° to 90°
Survey height	The drone can detect 0 to 1200m
Detection Radius	5km (may vary depending on the environment and model)
FPV Simulated Video Transmission Detection	Full-band scanning and display from 500MHz to 6GHz
FPV simulation transmission detection range	≥1.5km (real-time video available)
discovery time	The time from launch to detection of the drone should be less than or equal to 5s
Detect power consumption	Detect power consumption ≤ 10 0W
interference distance	3 km (depending on the environment and model)
Interference Angle Selection	Control independent switches from multiple angles
interference range	Horizontal: 360°; Pitch: -90° to +90°
Interference frequency band	868M/915M/1.2GHz/1.4ghz/1.5GHz/2.4GHz/5.2GHz/5.8GHz
service frequency	Channel 1: (840±15) MHz to (930±15) MHz; Channel 2: (1535±15) MHz to (1635±15) MHz Channel 3: (2380±15) MHz to (2520±15) MHz Channel 4: (5130±15) MHz to (5370±15) MHz Channel 5: (5725±15) MHz to (5885±15) MHz; Channel 6: (1080±15) MHz to (1200±15) MHz Channel 7: (1350±15) MHz to (1450±15) MHz
transmitting power	Channel 1: (47±1) dBm; Channel 2: (44±1) dBm; Channel 3: (47±1) dBm; Channel 4: (44±1) dBm; Channel 5: (47±1) dBm; Channel 6: (44±1) dBm; Channel 7: (44±1) dBm;
Response time	≤3s

Compression ratio	In the absence of significant electromagnetic interference, the maximum ratio of the distance between the UAV and the system to the distance between the UAV and the remote control shall not be less than 1 5:1.
Power consumption	≤ 30 00W
Mobile Power	The portable power supply ensures continuous operation for at least 3 0 minutes when the system operates in full-frequency band transmission mode.
Power supply mode	Supports mains AC 220V power supply or a portable power bank
high speed operation	The ability to detect and counter drones at high speed
Map location	The system has an electronic map that displays the systems geographical location in real time.
Alerts	After detecting the UAV target, it can give an alarm by means of information, sound and light
working temperature	(-20~+60)±2
storage temperature	(-60~+85)±2
weight of equipment	49.75kg

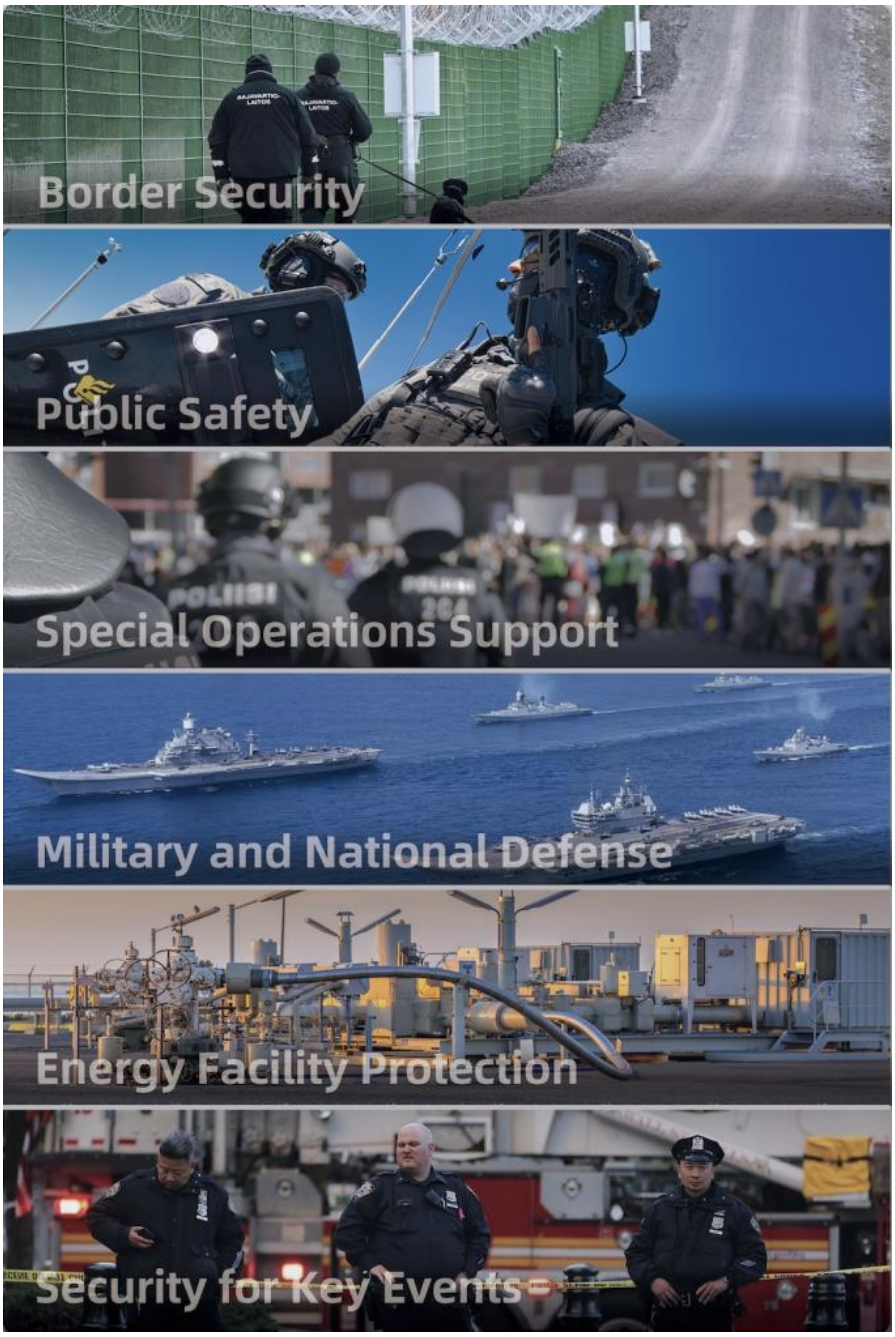
3, Features

This vehicle-mounted UAV detection and defense system effectively incapacitates unmanned aerial vehicles, compelling them to land by disrupting their remote control, data transmission, and navigation signals. The system is characterized by 360° all-frequency detection and interception capabilities, encompassing mainstream devices and operating autonomously to detect and counter threats from all directions. It is designed in a modular structure, enabling quick assembly and disassembly of components. It supports multiple working modes, including vehicle-mounted and fixed installations. Moreover, its low wind resistance design ensures stability and safety even at high speeds.

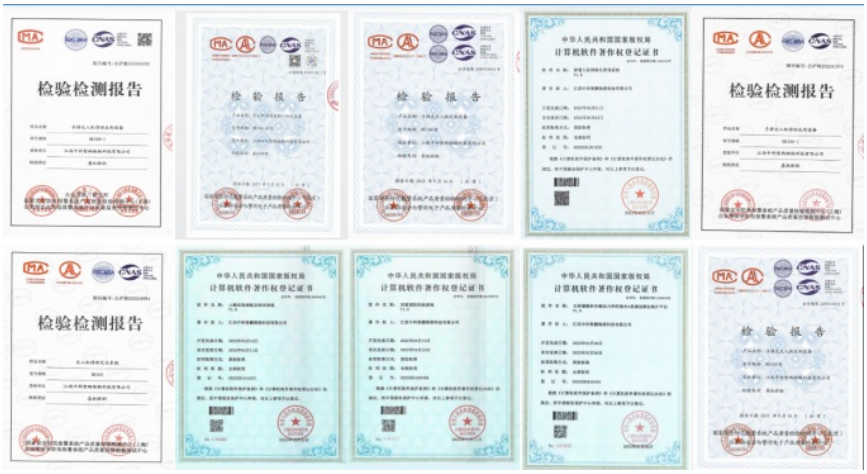
Equipped with blacklist and whitelist functions for one-click marking, the system can detect and intercept analog video transmissions in the 500 - 6G range and has the ability to jam simulated video transmissions, thereby effectively preventing the intrusion of drones using such transmissions. The device offers high scalability for flexible deployment across various vehicle models. It supports both standalone operation and multi-device networking. Manufactured in compliance with military-grade quality standards, it is impervious to high and low temperatures, demonstrating strong environmental adaptability. Additionally, customized services are available to develop intelligent solutions tailored to specific requirements, providing customers with enhanced defense capabilities.



4, Application Scenarios



5, Certification Certificate



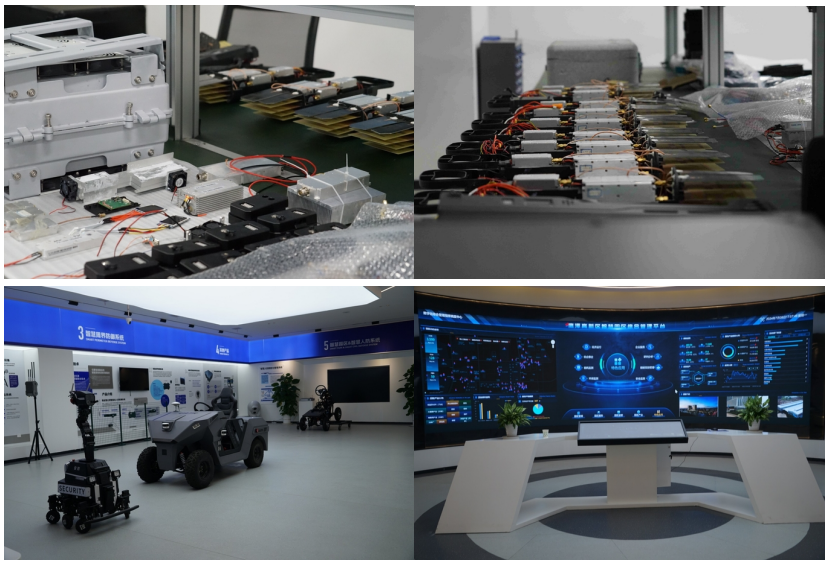
6, Company profile

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.

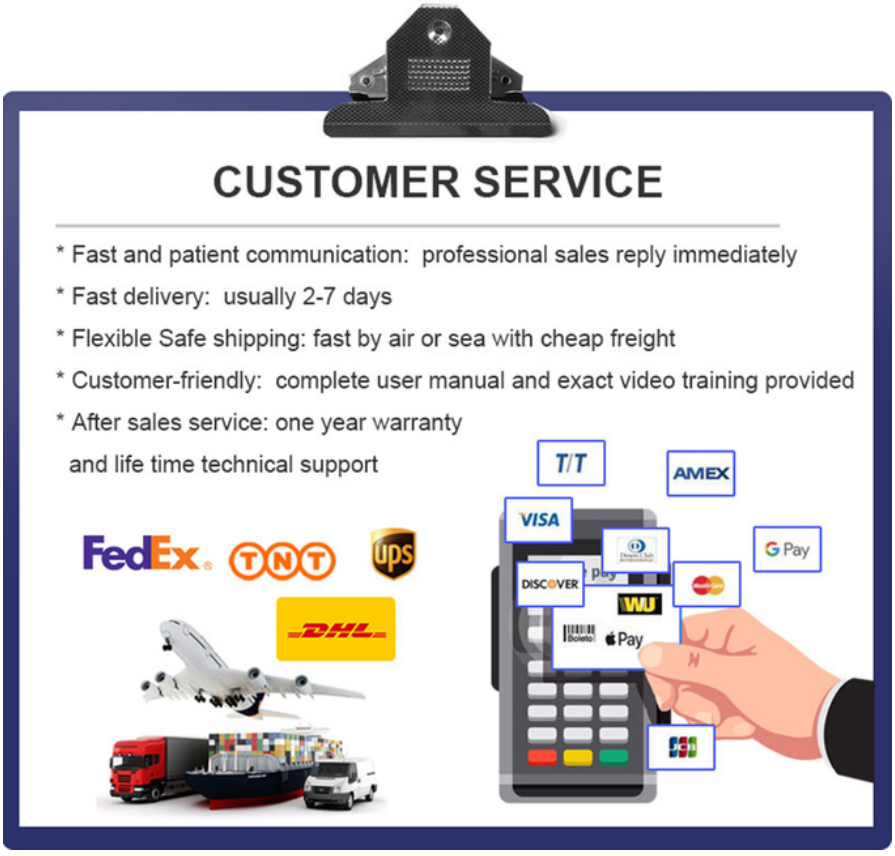
The company's products are widely applied to unmanned automatic management solutions for various defense and perimeter areas, including AI anti-drone systems and AI unmanned vehicle patrol systems. These systems integrate with multiple technologies such as optoelectronics, radar, vibration, thermal imaging, 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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