

## Mobile Unmanned Aerial Vehicle Detection And Protection Equipment

### 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:  $\geq 1.5\text{km}$  (real-time Video Available)
- Interference Frequency Band: 868M/915M/1.2GHz/1.4ghz/1.5GHz/2.4GHz/5.2GHz/5.8GHz
- Response Time:  $\leq 3\text{s}$
- Power Consumption:  $\leq 3000\text{W}$
- Working Temperature:  $-20\sim +60 \pm 2$
- Storage Temperature:  $-60\sim +85 \pm 2$
- Weight Of Equipment: 49.75kg
- Highlight: handheld drone detector equipment, mobile UAV detection system, drone protection device

## Product Description

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

#### 1, Product Overview

The integrated vehicle - mounted drone detection and countermeasure system represents a sophisticated technological solution. It effectively combines three crucial technologies: radio detection, protocol cracking, and spectrum scanning. These technologies work in tandem to accurately identify and then neutralize unauthorized drones.

Specifically, the system's radio detection technology enables it to sense the presence of drones through the detection of radio signals they emit. The protocol cracking technology delves into the communication protocols used by drones, which helps in understanding their operation mechanisms. The spectrum scanning technology surveys the electromagnetic spectrum to spot any abnormal signals that might be associated with drones.

By meticulously analyzing the characteristic signals unique to drones, the system has the ability to detect and precisely recognize aircraft that are on the blacklist. This ensures that any potentially malicious or unauthorized drones are quickly identified.

Furthermore, through the employment of radio jamming and blocking techniques, the system provides a high - level of low - altitude security protection. It is designed to safeguard vehicle convoys that have a length of up to 3 kilometers and are moving at high speeds of 150 km/h. This means that even in a fast - paced and dynamic environment, the system can effectively counter the threat posed by unauthorized drones, thereby ensuring the safety and security of the vehicle convoys in the low - altitude airspace.

#### 2, Specification

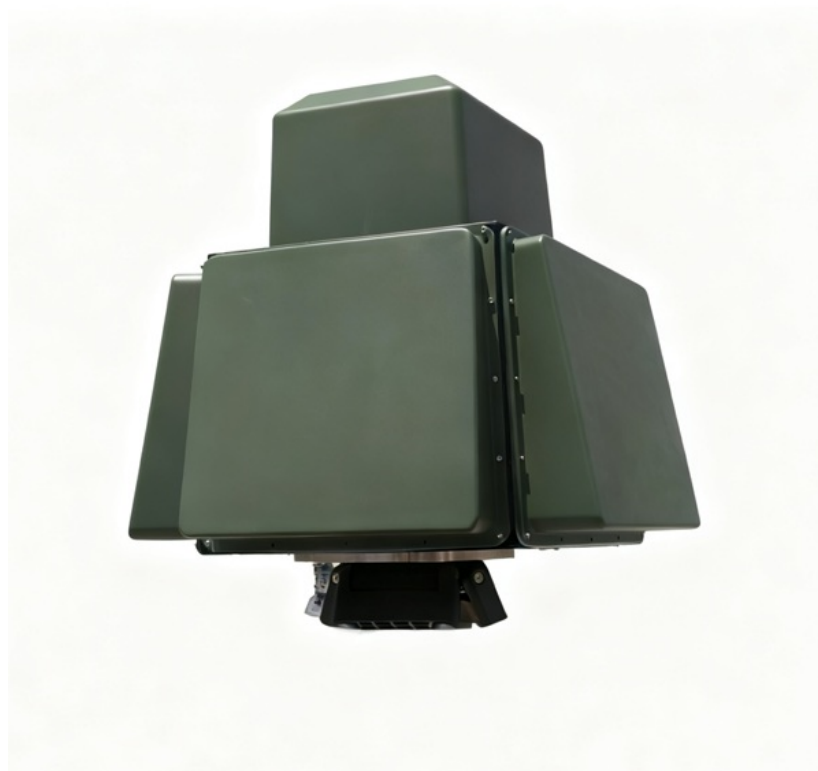
| name                                        | performance index                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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;<br>Channel 2: (1535±15) MHz to (1635±15) MHz<br>Channel 3: (2380±15) MHz to (2520±15) MHz<br>Channel 4: (5130±15) MHz to (5370±15) MHz<br>Channel 5: (5725±15) MHz to (5885±15) MHz;<br>Channel 6: (1080±15) MHz to (1200±15) MHz<br>Channel 7: (1350±15) MHz to (1450±15) MHz |
| transmitting power                          | Channel 1: (47±1) dBm;<br>Channel 2: (44±1) dBm;<br>Channel 3: (47±1) dBm;<br>Channel 4: (44±1) dBm;<br>Channel 5: (47±1) dBm;<br>Channel 6: (44±1) dBm;<br>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 renders unmanned aerial vehicles out of control and forces them to land by suppressing their remote control, data transmission, and navigation signals. The system features 360° all-frequency detection and interception capabilities, covering mainstream devices and operating autonomously to detect and neutralize threats from all directions. It adopts a structured design allowing for quick assembly and disassembly of components, supporting multiple working modes including vehicle-mounted and fixed installations. Meanwhile, 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 capture analog video transmissions in the 500-6G range, and possesses simulated video transmission jamming capabilities to effectively prevent intrusion by drones using such transmissions. The device offers high scalability for flexible deployment across various vehicle models, supporting both standalone operation and multi-device networking. Manufactured to military-grade quality standards, it remains unaffected by high and low temperatures, demonstrating strong environmental adaptability. Additionally, customized services are available to tailor intelligent solutions according 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.

## 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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