

500-3000m SDR Non-stop UAV Detector Defender Integrated Detection Scanning System Auto Sends Full-freq Signals For 1s Upon Detection

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DR200-AD
- Minimum Order Quantity: 1
- Price: Pricing is negotiable based on order quantity
- Delivery Time: 10 work days
- Payment Terms: TT,LC
- Supply Ability: 1000units per month



Product Specification

- Detection Frequency: 400-6GHz
- Countermeasure Power: $\geq 300W$
- Countermeasure Module: SDR (Software Defined Radio)
- Blocking Distance: 500-3000 Meters
- Waterproof Rating: IP66
- Operating Temperature: -30°C To 70°C
- Power Supply: AC 110V-220V / DC 28V
- Dimensions: 531mm \times 461.2mm \times 305.6mm
- Highlight: SDR drone detector defender, UAV detection scanning system, full-frequency drone detector signals



More Images



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Product Description

DR200-AD UAV detection and defense equipment

1, Product overview

The DR200-AD is a comprehensive UAV detection and defense system engineered to deliver reliable protection against unauthorized unmanned aerial vehicle operations. This advanced countermeasure solution boasts full-spectrum detection capabilities spanning the 400–6 GHz frequency range, facilitating accurate identification and effective neutralization of diverse UAV types. Equipped with a high-power countermeasure output of ≥ 300 W and leveraging Software Defined Radio (SDR) technology, the DR200-AD provides customizable interference functionalities capable of blocking UAV signals within a range of 500 to 3,000 meters.

The system adopts a multi-channel architecture featuring four dedicated countermeasure channels (each operating at 50 W), covering frequency bands from 350 MHz to 850 MHz. It is specifically engineered to mitigate signals utilizing Direct Sequence Spread Spectrum (DSSS) and Frequency Hopping Spread Spectrum (FHSS) patterns—two common modulation techniques employed by contemporary UAVs. The DR200-AD integrates detection and countermeasure functionalities into a unified system: upon detecting relevant UAV signals, it automatically initiates full-spectrum transmission within one second, while also supporting manual operation via physical buttons or remote control.

Engineered for rugged environmental resilience, the DR200-AD complies with IP66 waterproofing standards and maintains reliable operation across a temperature range of -30°C to 70°C . It supports dual power supply options (AC 110 V–220 V or DC 28 V), enabling flexible deployment across diverse scenarios. Its robust mechanical construction incorporates an efficient aluminum alloy heat sink paired with four cooling fans, ensuring sustained optimal performance during continuous operation. With a compact footprint of 531 mm \times 461.2 mm \times 305.6 mm and a weight of less than 20 kg, the system is well-suited for both fixed and mobile installation scenarios.

The DR200-AD demonstrates high efficacy against a range of consumer-grade UAVs, including First-Person View (FPV) racing drones, fixed-wing UAVs, and models utilizing O3+ and O3Pro video transmission systems. Its user-friendly operation modes encompass one-key automatic detection and countermeasure activation, individual frequency band control via physical buttons, and remote operation functionalities. As an all-in-one UAV defense solution, the DR200-AD delivers comprehensive airspace protection for critical infrastructure, public events, and sensitive areas with stringent airspace security requirements.

This version retains all original technical details while elevating the tone to align with formal business communication standards—utilizing precise terminology, structured phrasing, and consistent technical conventions (e.g., unit spacing, acronym expansions) for clarity and professionalism.

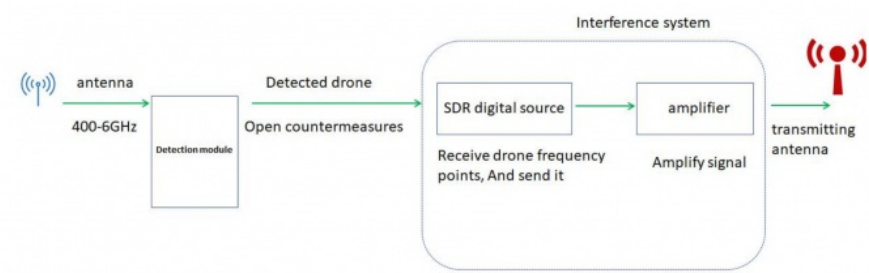


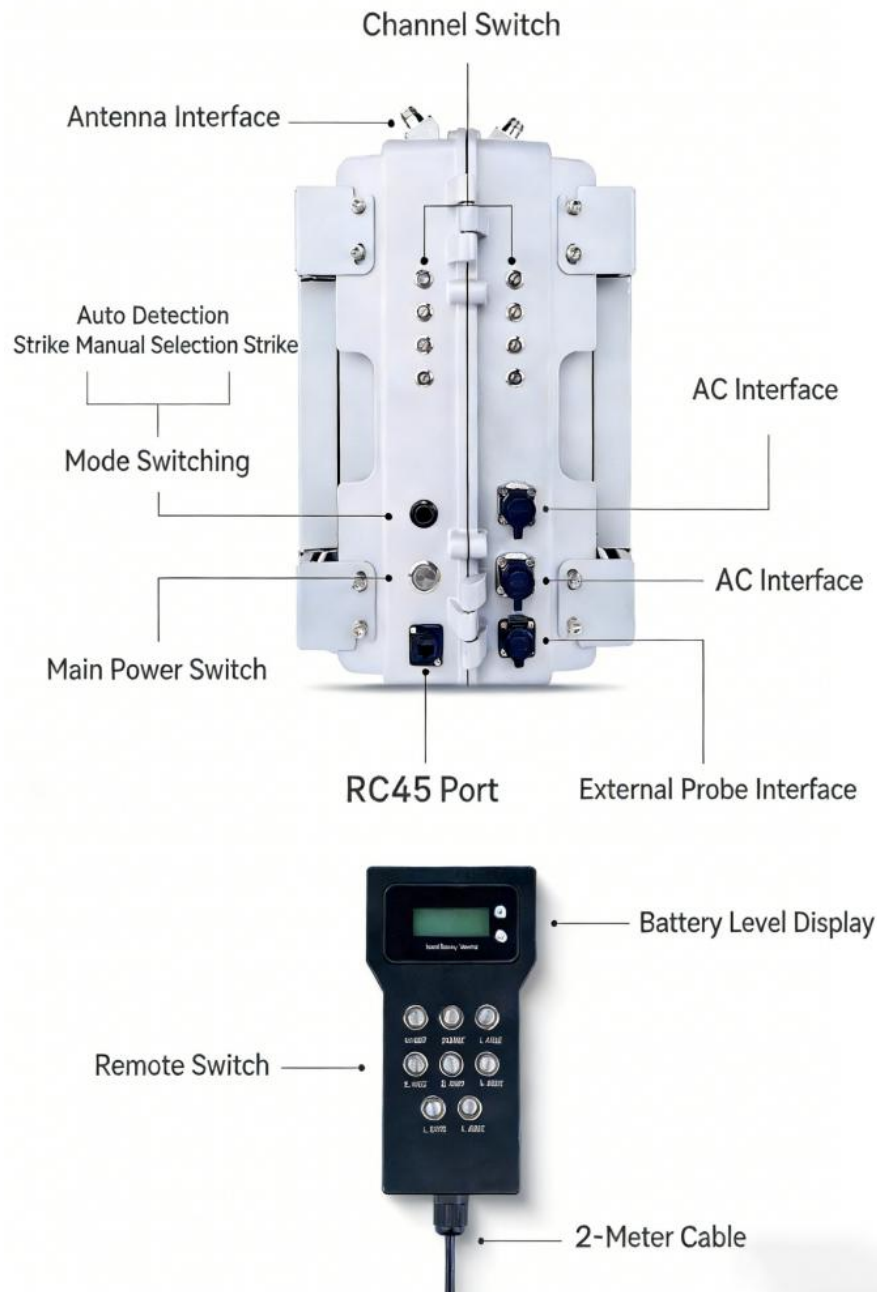
2, Product Technical Specifications

Parameter	Specification
Product Model	DR200-AD
Detection Frequency	400-6GHz
Countermeasure Power	≥300W
Countermeasure Module	SDR (Software Defined Radio)
Blocking Distance	500-3000 meters

Operating Frequency Bands	CH1/50W: 350-450MHzCH2/50W: 450-600MHzCH3/50W: 600-700MHzCH4/50W: 700-850MHz
Signal Patterns	DSSS (Direct Sequence Spread Spectrum)FHSS (Frequency Hopping Spread Spectrum)
Waterproof Rating	IP66
Operating Temperature	-30°C to 70°C
Power Supply	AC 110V-220V / DC 28V
Dimensions	531mm × 461.2mm × 305.6mm
Weight	≤20kg
Cooling System	High-efficiency aluminum alloy heat sink4 × Cooling fans
Target Drone Types	FPV drones, fixed-wing aircraft,03+, 03Pro video transmission systems,Other consumer-grade drones
Operation Modes	One-key automatic detection and strikeSingle-frequency physical buttonsRemote control switch
System Features	Detection and countermeasure integrationAutomatic full-spectrum transmission within 1 secondManual button control option

4, Working Principle





5, After-Sales 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.
- 4) This PI is applicable to the DDP shipping agreement.

6, Application Scenarios



7, Certification Certificate



8, 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.



9, Customer Service

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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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