Directional Drone Jammer with 3km Jamming Distance RF Spectrum Analysis and 360° Full-Frequency Detection for Anti Drone System

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DR100-AB
- Minimum Order Quantity: 1
- Price: Pricing is negotiable based on order quantity
- Packaging Details: 64.25kg
- Delivery Time: 15-20 days
- Payment Terms: TT,LC
- Supply Ability: 1000units per month

Product Specification

- Weight: 64.25kg
- Size: 800mm*660mm
- Detection Distance: ≥5km
- Jamming Distance: ≥3km
- Highlight: **RF Spectrum Analysis Drone Jammer**, **3km Drone Jammer**, **Security Protection Drone Jammer**

More Images

Our Product Introduction

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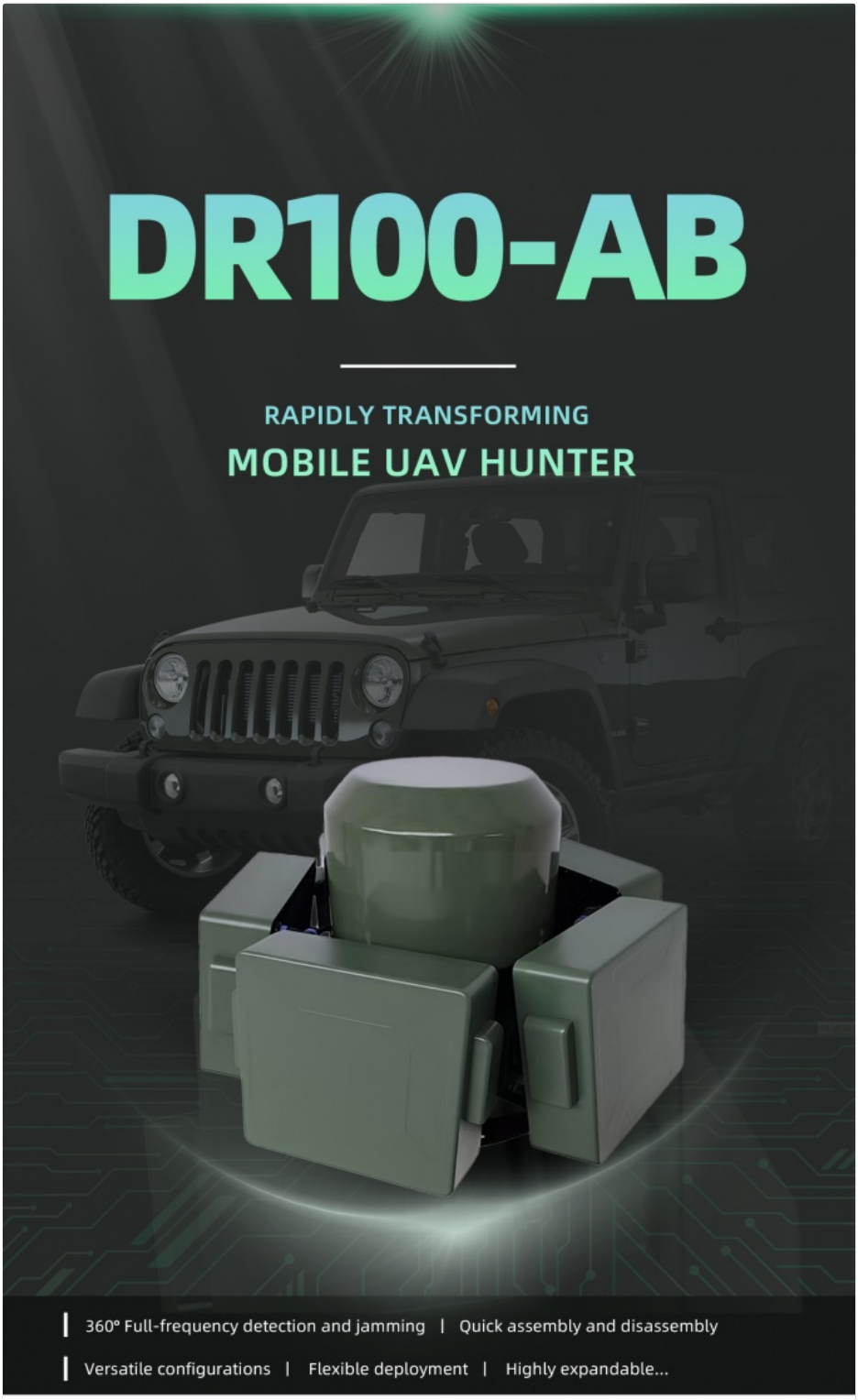
Product Description

Directional Drone Jammer for Security Protection

Advanced RF spectrum analysis drone detection alert system with 3km jamming distance for comprehensive drone vehicle security protection.

Product Overview

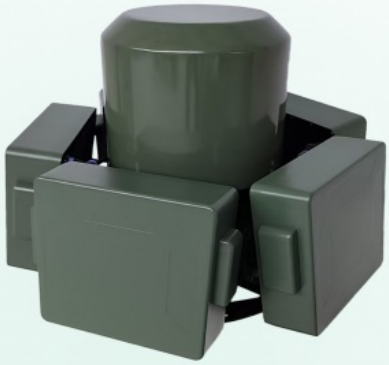
This directional drone jammer features quick assembly and disassembly capabilities, supporting three operational configurations: vehicle-mounted, fixed, and portable for flexible deployment.



DR100-AB

Vehicle-mounted Drone Detection and Defense Device

Vehicle-mounted Drone Detection and Defense Device



The device uses radio frequency spectrum sensing technology, integrating detection and countermeasures to achieve 360° all-around drone detection and counteraction. It forces drones to return or land, featuring high mobility, wide coverage, and real-time response, making it a powerful mobile tool for drone defense.

VERSATILE CONFIGURATIONS

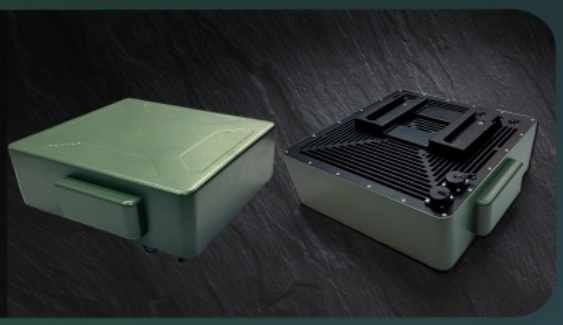
Versatile Configurations

The device components can be quickly assembled and disassembled, supporting three operational configurations: vehicle-mounted, fixed, and portable. This allows for easy deployment and flexible use.

On-board mode

Fixed

pattern



Convenient mode

360° ALL FREQUENCY DETECTION AND JAMMING

360° All Frequency Detection and Jamming

The device covers all mainstream drone models with an encapsulated structural design, enabling comprehensive, multi-angle detection and countermeasures.

300MHz-6GHz

Full-spectrum Detection

6 Key jamming frequency bands:900MHz, 1.2GHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz

Powerful Performance and Outstanding Design

Low drag design, ensuring safety and stability at high speeds

Exceptional heat dissipation design, capable of continuous operation for 24+ hours

Military-grade quality assurance, adaptable to various harsh environments

Low Drag Design

Ensuring safety and stability at high speeds

24h+ Continuous Operation

Exceptional heat dissipation design

Adaptable to Different Environment

Low-lying rough terrain, freezing low temperatures, strong winds, and rain

Strong Expansion

Product Details

Product Specifications

Detection Frequency	300MHz~6GHz
Detection Altitude	0 ~ 1200m
Detection Radius	5km (depends on working conditions)
Jamming Distance	3km (depends on working conditions)
Jamming Angle	Horizontal 0°~360°, vertical -90°~90°
Jamming Frequency Bands	900MHz, 1.2GHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz
Total Power Consumption	≤2300W
Operating Temperature	（-20℃~+60℃）±2℃
Weight	64.25kg
Size	800mm×600mm（Diameter × Height）

Key Features

360° Full-Frequency Detection and Influence: Covers mainstream drone models with autonomous operation and multi-angle detection capabilities

Modular Design: Quick-detach components supporting vehicle-mounted, fixed, and portable operational modes

Enhanced Stability: Low wind resistance design maintains stability and safety at high speeds

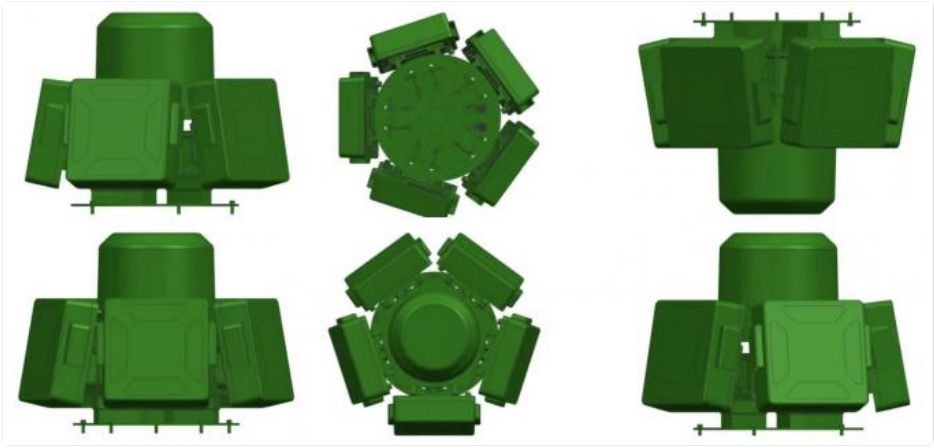
Blacklist/Whitelist Management: One-click marking system with whitelisted drones unaffected by interference

High Expandability: Flexible deployment on various vehicle types with standalone or multi-device networking options

Premium Quality: Withstands extreme temperatures with strong environmental adaptability

Custom Solutions: Tailored intelligent defense solutions based on specific client requirements

Device Structure and Components



Product Specifications

Device Name	Quantity	Weight
Equipment main unit	1	64.25 KG
Drone detection unit	1	30 KG
Drone control and management system	1	-
Power supply system	1	1.55 KG
Shield-type influence	5	6.85 KG
IPC or laptop	1	-
Software	1	-
Influence aviation case	1	15.55 KG
Detection aviation case	1	14.65 KG

Detection System Parameters

Item	Parameters
Working mode	Radio Detection
Action Object	Drone Map Transmission, Flight Control Link
Operating Frequency	100Mhz~6Ghz
Detection distance	5KM-10KM (open and accessible areas)
Detection distance	2KM-5KM (urban complex electromagnetic environment)
Number of Simultaneous detections	≥10
Detection Refresh time	≤1.5S
Power Consumption	≤50W

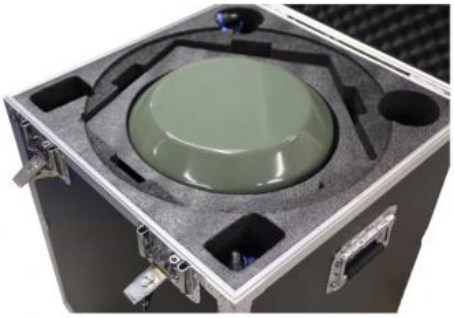
Interference System Parameters

Working mode	Radio interference
Action object	UAV map transmission, flight control link, navigation signal
Operating Frequency Band	Frequency Band (840~930)±15MHz (1535~1635)±15MHz (2380~2520)±15MHz (5130~5370)±15MHz (5725~5885)±15MHz (1080~1200)±15MHz Wattage (47±3)dBm (44±3)dBm (47±3)dBm (44±3)dBm (47±3)dBm (44±3)dBm Each frequency band can be controlled independently and combined as needed.
Influence Response time	≤3S
Suppression Distance Ratio	The maximum distance ratio between the system and the drone versus the drone and its controller should be no less than 15:1 in the absence of significant electromagnetic interference
Counter Distance	2km-8km
Countermeasure Band	6
System power consumption	≤2300W

System Specifications

Item	Parameters
Size	φH:850mm485mm
Weight	≤50kg
Protection level	IP65

High-Speed Operation	Capable of detecting and countering drones while in high-speed motion
Map Positioning	Equipped with an electronic map that can display the system's geographic location in real-time
Alarm Function	Provides alarm notifications via information, sound, and light upon drone detection
Working Temperature	-20 ~60 ±2
Storage Temperature	-60 ~85 ±2
System Power Supply	220V AC
System Interface	100/1000M Ethernet



Aviation Case Dimensions

Influence aviation case dimension: 470mm*570mm*710mm
Detection aviation case dimension: 680mm*600mm*480mm

MYT Technology, relying on the research and development technology from the Chinese Academy of Sciences, has been deeply involved in the field of drone countermeasure technology for many years.

Facing the challenging technical issue of defending against FPV drones, MYT Technology has achieved excellent coutermeasure effects.

Especially recently,FPV has strengthened its communication signals and upgraded to multi-frequency hopping communication, making traditional countermeasure equipment difficult to affectively counteract.

Our company through the defense requirements of its customers, continuously innovates technologically and has unique advantages in countering FPV and has obtained numerous patents in this field.





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