Directional Drone Jammer for Security Protection of Drones Vehicles with RF Spectrum Analysis and 3km Jamming Distance

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Model Number: DR100-AB
- Minimum Order Quantity: 1 unit
- Packaging Details: 64.25kg
- Delivery Time: 15-20 days
- Payment Terms: L/C,T/T
- Supply Ability: 500units 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

for more products please visit us on chinaantidrone.com

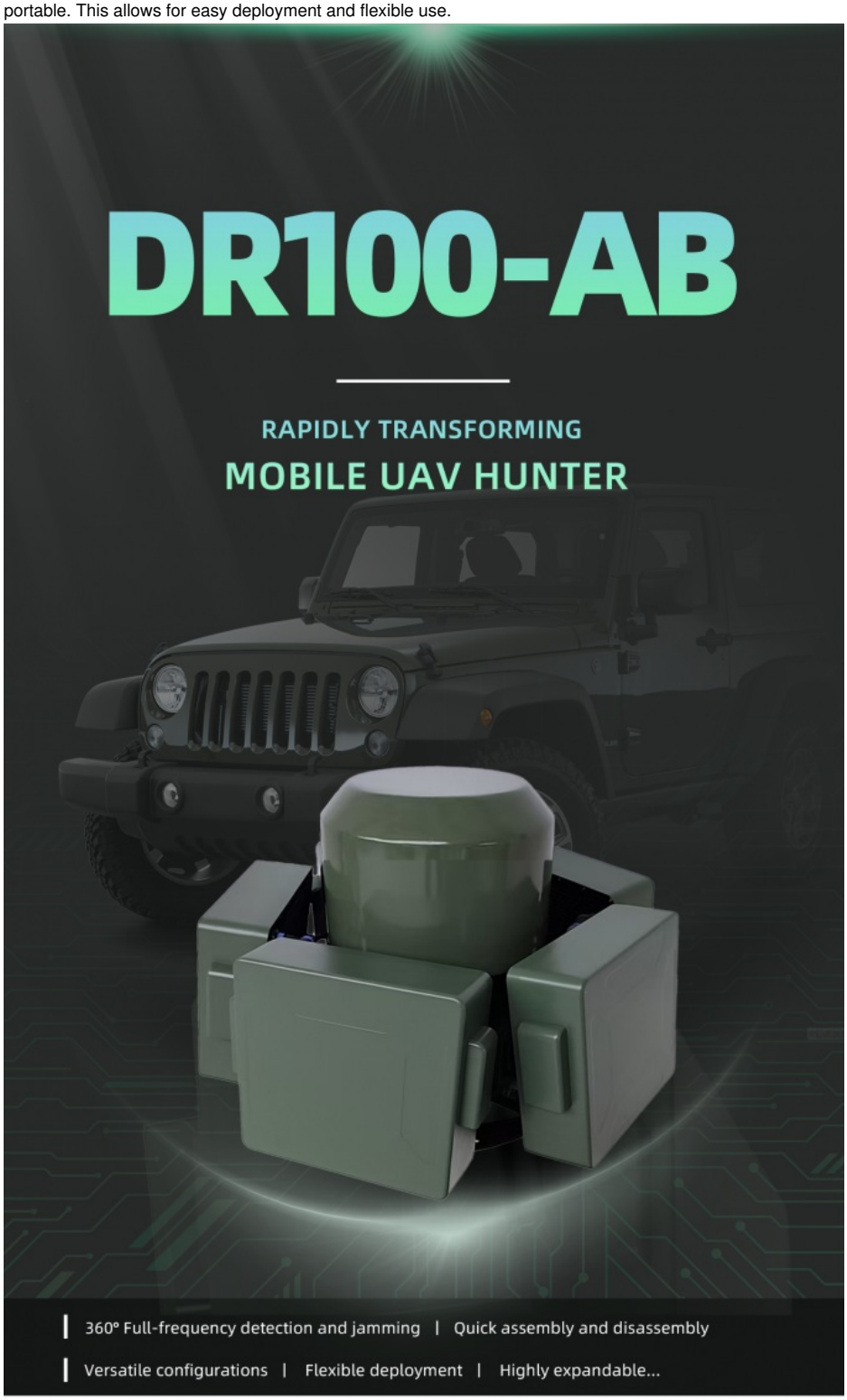
Our Product Introduction

Product Description

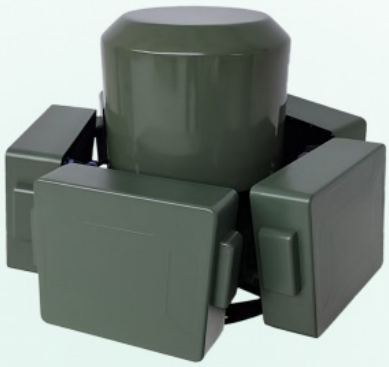
Directional Drone Jammer Security Protection for Drones Vehicles with RF Spectrum Analysis Drone Detection Alert System

1, Product Introduction

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.



for more products please visit us on chinaantidrone.com



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.

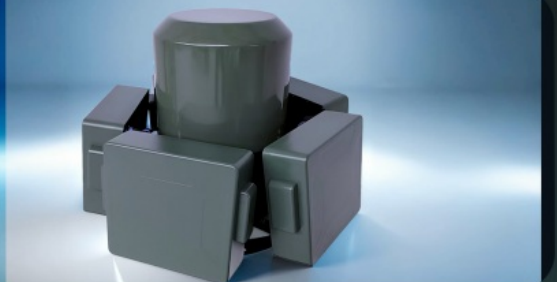
VERSATILE CONFIGURATIONS

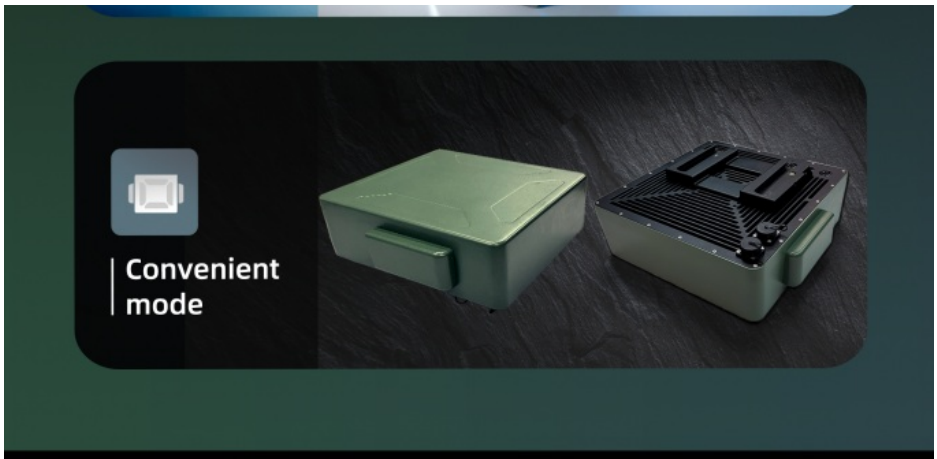
Versatile Configurations

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





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.

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

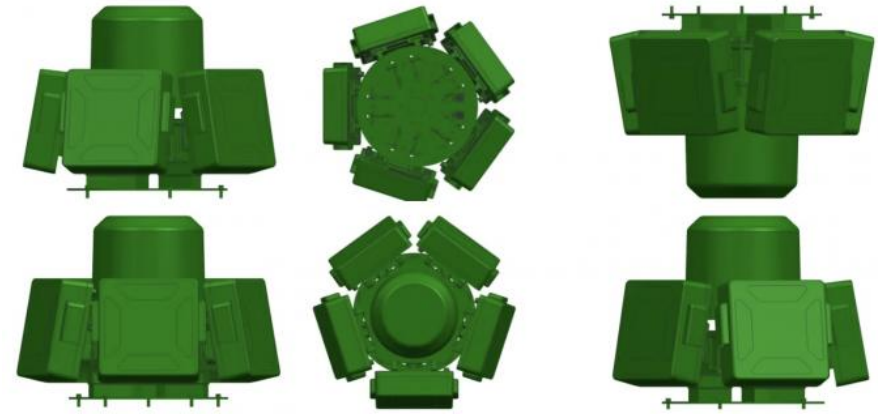
Product Specifications

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)

2, Functional highlight

1) **360° Full-Frequency Detection and Influence:**
Covers mainstream drone models, operates autonomously, and provides all-around,multi-angle detection and influence.
2) **Structured Design:**
Components are quickly detachable, supporting vehicle-mounted, fixed, and portable operational modes.
3) **Strong Stability:**
Features a low wind resistance design to maintain stability and safety even at high speeds.
4) **Blacklist/Whitelist:**
Allows one-click marking of black and white lists, with whitelisted drones not affected by interference.
5) **Strong Expandability:**
Supports flexible deployment on various vehicle types, allowing for both standalone operation and multi-device networking.
6) **High-Grade Quality:**
Withstands extreme temperatures, offering strong environmental adaptability.
7) **Customized Services:**
Tailored intelligent solutions based on specific needs to provide clients with optimal defense performance.

3, Device Structure and Components



System Functions

4,Product list

Device Name	QT	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

Machinery 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

Countermeasure Unit

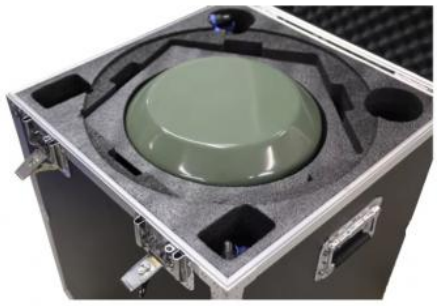
Working mode	Radio interference
Action object	UAV map transmission, flight control link, navigation signal
Operating Frequency Band	Frequency Band (840~930)±15MHz (1535~1635)±15MHz (2380~2520)±15MHz (5130~5370)±15MHz (5725~5885)±15MHz (1080~1200)±15MHz
	Wattage (47±3)dBm (44±3)dBm (47±3)dBm (44±3)dBm (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

Working mode	Radio interference
Counter Distance	2km-8km
Countermeasure Band	6
System power consumption	≤2300W

Machinery Parameters

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

Packing & Delivery



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

Technology Advantages

Vehicle-mounted detection and counter equipment is flexible deployment 、 real-time response. It is widely used in all kinds of low-altitude security scenarios , such as public security enforcement 、 armed police special duty 、 troop patrol， also suitable for large event security 、 emergency accompanying guarantee for dignitaries traveling.

The device employs the most advanced technology DDS (Direct Digital Synthesis) to determines the frequency, phase and amplitude of signal control through digital analysis. The core of the system is Phase Accumulator. And the system uses the output value of the phase accumulator as an index to look up waveform data in the waveform table, and then converts it into an analog signal through a DAC.

Advantage of DDS:

1.DDS can achieve very high frequency resolution.
2.DDS can switch frequencies in an extremely short period of time, making it very suitable for applications that require rapid frequency changes, such as frequency hopping communication.
3.DDS can output signals continuously, allowing for sustained tracking of targets.
4. DDS allows for the convenient and flexible generation of any waveform, and can be adjusted in real-time according to the signal source of the target through algorithms.

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.





Chongqing Miao Yi Tang Technology Co., Ltd.

+8613101235550 gary@chinaantidrone.com chinaantidrone.com

www.chinaantidrone.com