

10km Offshore Land Low Altitude Security Radar Phased Array Pulse Doppler S Band China Drone Detection

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DD-RS310000
- 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

- Operating Frequency: S-band
- Range: 10.2km
- Operating Temperature: -40 To +55
- Weight: ≤60kg
- Highlight: Offshore Land Low Altitude Security Radar, 10km Low Altitude Security Radar, dbf phased array system



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Product Description

10km Offshore Land Low-altitude Security Radar Phased Array Pulse Doppler S band China Drone Detection

1, Product Introduction

The DD-RS310000 mainly consists of one radar array, one mechanical turntable, and one power adapter. It is used for the detection, alert, and target indication of micro/minature civilian drones in key areas such as borders, perimeters, airports, and military bases. It can accurately provide trajectory information such as target bearing, distance, altitude, and speed.



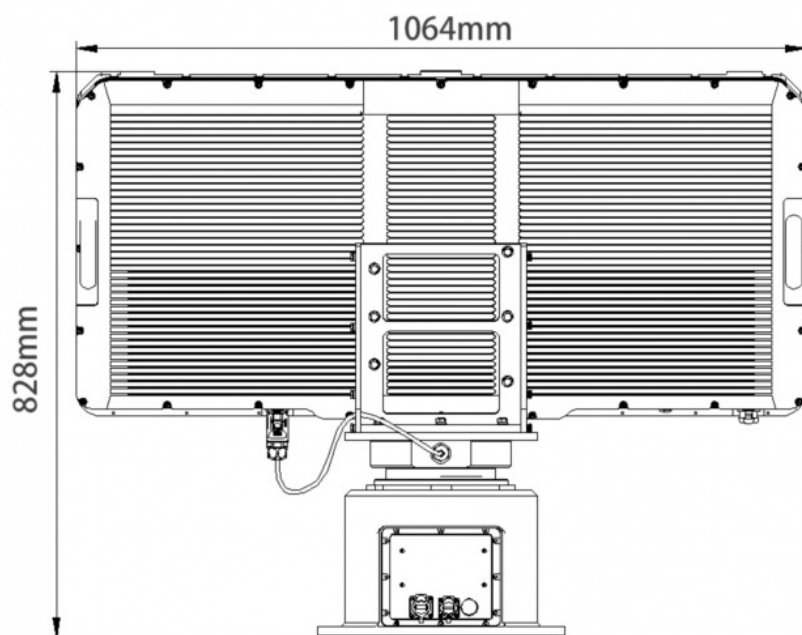


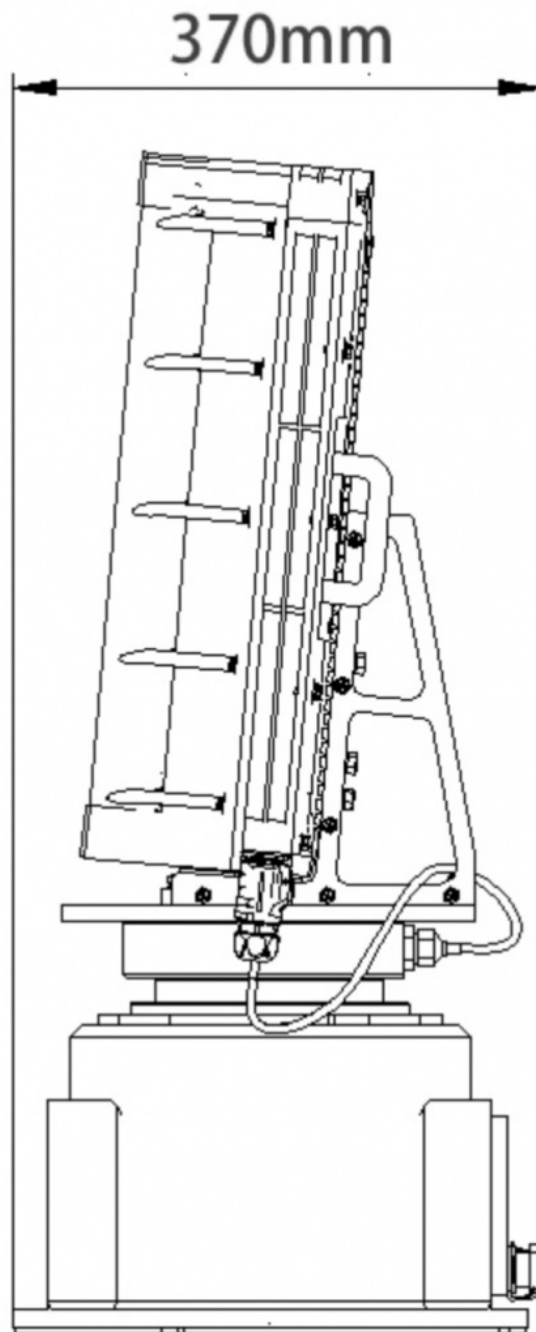
2, Functional highlight

Feature	highlight Description
High Real-time Precision	Capable of maintaining high precision tracking for long-distance detection targets, providing effective basis for judgment for border defense soldiers.
Strong Environmental Adaptability	Equipped with all-weather and round-the-clock operational capability, adapting to harsh environments such as night, rain, snow, fog, and dust.
High Flexibility	Convenient for long-distance detection target setup.
DBF Technology	DBF technology with multi-beam emission enhances anti-jamming capabilities.
Phased Array System	Utilizes advanced active phased array system to improve radar detection effects and output target's three-coordinate information.
High Cost Performance	Through continuous refinement of the product, it achieves a perfect combination of reliability, usability, and economy while ensuring detection effectiveness.

3, Specification

Operating Principle	Active Digital Phased Array (azimuth mechanically scanned + elevation phased scanned) / Pulse Doppler
Operating Frequency	S-band
Range	10.2km
Detection Capability	100m to 10.0km (UAV RCS = 0.01m ²)
Azimuth Coverage	360°
Elevation Coverage	≥40°
Detection Speed	1.8km/h to 306km/h
Azimuth Accuracy	≤0.8°
Elevation Accuracy	≤1.0°
Range Accuracy	≤10m
Data Rate	≥0.2Hz
Data Interface	RJ45 / 1 Ethernet port 100 Megabits
Power Input	≤250W (Power consumption) AC200-AC240 (Input)
Operating Temperature	-40 to +55
Weight	≤60kg





4, 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.





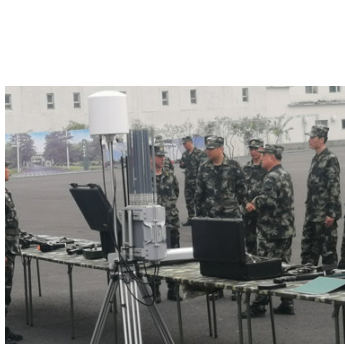
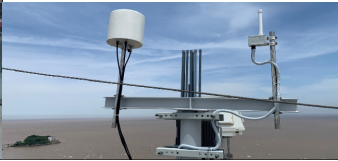
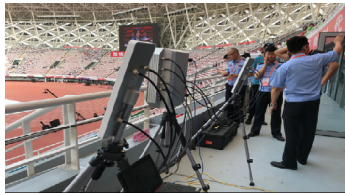
5, Certification Certificate

The product has obtained dual certification from the Ministry of Public Security and the National Security Center, and is capable of adapting to various severe incidents, possessing military-grade quality.



6, Partnership Portfolio

Our products are designed for a variety of public safety scenarios and have long provided customized product services to the military and public safety departments, earning an excellent reputation in practical operations.



7,Paking and Delivery

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



Chongqing Miao Yi Tang Technology Co., Ltd.



+8613101235550



gary@chinaantidrone.com



chinaantidrone.com

www.chinaantidrone.com