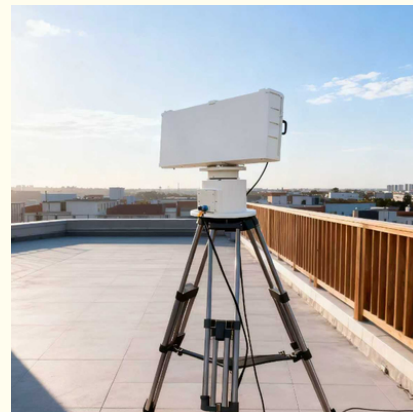


## Low Altitude Security Radar For Precise Detection And Surveillance In S Band Frequency With Accurate Target Orientation And Tracking

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DDR-LS10
- 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

- Working Band: S Band
- Range Of Radar: 10.2km
- Azimuth Coverage: 360°
- Detection Speed: 1.0m/s 85m/s
- Working Temperature: -40 +55
- Weight (N.W): ≤60kg
- Highlight: **low altitude security radar S band,  
S band radar precise detection,  
security radar accurate target tracking**

## Product Description

### DDR-LS10 S Band radar

#### 1, Product Overview

The DDR - LS10 primarily consists of three main components: a single radar array, a mechanical turntable, and a power adapter. The radar array is a crucial part that enables the device to sense and detect various signals. The mechanical turntable allows for the rotation and adjustment of the radar's direction, enhancing its coverage area. The power adapter, on the other hand, provides the necessary electrical energy to ensure the proper operation of the entire system.

This device, the DDR - LS10, is specifically designed for applications related to the detection, surveillance, and target indication of micro and small civilian drones. These applications are carried out in key areas of significant importance, including national borders, perimeters of important facilities, and military bases. Borders are the first line of defense for a country, and any unauthorized drone activity in this area could pose threats to national security. Perimeters of important facilities need to be safeguarded to prevent potential malicious activities carried out by drones. Military bases, being high - security zones, require strict monitoring of any drone presence.

One of the remarkable features of the DDR - LS10 is its ability to accurately provide detailed trajectory information of the detected drones. This includes essential parameters such as the target orientation, which indicates the direction in which the drone is flying. The distance parameter tells how far the drone is from the detection point. The altitude gives the height at which the drone is operating, and the speed reveals how fast the drone is moving. All this information is vital for taking appropriate counter - measures against any potentially threatening drone activities.

#### 2, Specification

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Working system            | Digital phased array (azimuth scanning+elevation scanning)<br>pulse Doppler |
| Working band              | S Band                                                                      |
| Range of Radar            | 10.2km                                                                      |
| Effective detection range | 100m 10.0km(UAV; RCS=0.01 )                                                 |
| Azimuth coverage          | 360°                                                                        |
| Elevation coverage        | ≥40°                                                                        |
| Detection speed           | 1.0m/s 85m/s                                                                |
| Azimuth accuracy          | ≤0.8°                                                                       |
| Pitch accuracy            | ≤1.0°                                                                       |
| Distance accuracy         | ≤10m                                                                        |
| Data rate                 | ≥0.2Hz                                                                      |
| Data interface            | RJ45/1 1CH Ethernet 10/100M port                                            |
| Input power               | ≤250W(power dissipation) AC200-AC240(input)                                 |
| Working temperature       | -40 +55                                                                     |
| Weight (N.W)              | ≤60kg                                                                       |

#### 3, Features

The product boasts high real-time performance and precision with anti-clutter capabilities, continuous trajectory tracking, and high-accuracy target coordinate output. Featuring 24/7 operation and robust adaptability to harsh environments including night, rain, snow, haze, and dust, it ensures reliable performance in diverse conditions. With long-range detection capabilities and easy installation, it offers exceptional flexibility for various deployment scenarios. Incorporating advanced DBF (Digital Beam Forming) technology, it enhances anti-interference performance through multi-beam transmission. Committed to continuous product improvement, it delivers an optimal balance of detection effectiveness, reliability, usability, and cost-efficiency, ensuring high performance at a competitive price point.



#### 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

Logos for FedEx, TNT, UPS, and DHL, representing shipping partners.

An illustration of a hand holding a smartphone. The screen shows various payment logos including VISA, AMEX, T/T, DISCOVER, WU, Apple Pay, and G Pay.



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