

C Band Low Altitude Security Radar For Detection And Target Trajectory Information Of Micro/Small Civilian Drones

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DDR-LC2
- 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

- Operating Frequency Band: C
- Range: 2.1km
- Effective Detection Range: 100m 1.5km UAV; Drone
- Azimuth Coverage : 360°
- Working Temperature: -40 ~ +55
- Weight: ≤15kg
- Highlight: **C Band drone detection radar, low altitude security radar system, small civilian drone trajectory tracker**

for more products please visit us on chinaantidrone.com

Product Description

DDR-LC2 C Band radar

1, Product Overview

The DDR - LC2 is mainly constructed of three key components: a single radar array, a mechanical turntable, and a power adapter. The radar array serves as the core sensor, responsible for emitting and receiving electromagnetic waves to detect objects in the airspace. The mechanical turntable enables the radar array to rotate, expanding its field of view. The power adapter ensures a stable power supply for the device to operate effectively.

This device, the DDR - LC2, is specifically utilized for crucial tasks such as the detection, surveillance, and target indication of micro - sized and small civilian drones. It is deployed in key areas which include prisons, where the prevention of unauthorized drone access is vital to maintain security and privacy; exhibitions, where large crowds gather and the presence of drones may pose risks to public safety and the integrity of the event; and military bases, where strict airspace control is necessary to safeguard sensitive information and military assets.

One of its remarkable features is its ability to accurately provide detailed target trajectory information. This includes elements like the direction in which the drone is flying, allowing operators to anticipate its movement path; the distance from the DDR - LC2 to the drone, which is essential for gauging the threat level; the altitude at which the drone is operating, as different altitudes may have different implications for its intended purpose; and the speed of the drone, which helps in predicting its arrival time at certain locations.

2, Specification

Working system	Phased array system (azimuth scanning+elevation scanning)/pulse Doppler
Working band	C Band
Range of Radar	2. 1km
Effective detection range	100m 1.5km(UAV; Drone)
Azimuth coverage	360°
Elevation coverage	≥30°
Detection speed	1.8km/h 108km/h
Azimuth accuracy	≤1.0 °
Pitch accuracy	≤1.0 °
Distance accuracy	≤10m
Data rate	≥0.2Hz
Data interface	RJ45/1 1ch Ethernet 10/100M port
Input power	≤100W(power dissition) AC200-AC240(Input power)
Working temperature	-40 ~ +55
Weight	≤15kg

3, Features

The DDR-YK8 radar system features 360° omni-directional detection capabilities, enabling real-time target tracking while simultaneously outputting precise three-coordinate information. With robust environmental adaptability, it operates continuously 24/7 in harsh conditions including night, rain, snow, haze, and dust environments. The system supports multi-object detection, capable of simultaneously monitoring hundreds of target batches with easy setup and high flexibility. Leveraging advanced DBF (Digital Beam Forming) technology, it enhances anti-interference capabilities through multi-beam transmission technology, ensuring reliable performance even in complex electromagnetic environments.



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 reshipe 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








Chongqing Miao Yi Tang Technology Co., Ltd.



+8613101235550



gary@chinaantidrone.com



chinaantidrone.com

www.chinaantidrone.com