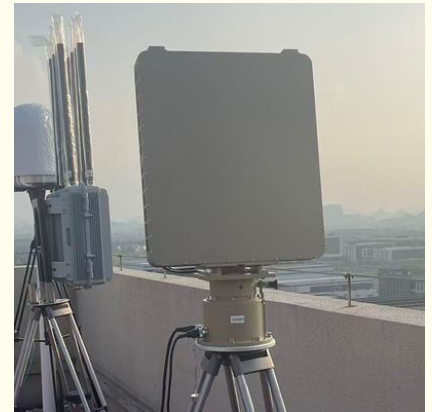


Low-Altitude Security Radar Advanced Technology For Enhanced Target Monitoring And Accurate Situational Awareness

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DDR-BX10
- 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: X
- Range: 20km
- Azimuth: 360°
- Tracing Velocity : 1m/S 150m/S
- Ingress Protection: IP66 (Host IP67)
- Operating Temperature: -40 +55
- Highlight:
 - low altitude security radar with enhanced monitoring
 - , advanced security radar for situational awareness
 - , accurate low altitude radar system

DDR-BX10 low-altitude surveillance radar

1, Product Overview

The DDR-BX10 low-altitude surveillance radar is a high-performance low-altitude target monitoring system. With an advanced tech architecture and great performance, it excels in low-altitude detection. It can accurately identify and track various low-altitude targets like aircraft, UAVs, birds, cruise missiles. It also monitors ground and surface targets for low-altitude situational awareness.

Integrated with DBF technology, it has a low equivalent isotropic radiated power, high measurement accuracy, and strong multi-target processing. Its good anti-interference allows stable operation in complex conditions.

These radars are widely used in air traffic control, facility protection, the low-altitude economy, airport bird detection, "anti-UAV" operations, border and coastal defense. They're key for national airspace security and low-altitude order.

2, Specification

No. Number	Items		Index	
Parameter				
1	Operating Frequency Band		X	
2	Space Coverage	Pitch	-5° 60°	
		Azimuth	360°	
		Range	20km	
		Blind Spots	50m	
		Height	3000m	
3	Detection Power	Small Rotary-Wing UAVS (RCS=0.01 M²) (RCS=0.01m2)	≥10km	
		Medium-Sized Fixed-Wing UAVS (RCS=1 M²)	≥20km	
		Personnel	≥15km	
		Helicopters, Vehicles	≥20km	
4	Measurement Accuracy	Distance	≤5m(RMS)	
		Azimuth Angle	≤0.3°(RMS)	
		Pitch Angle	≤0.3°(RMS)	
5	Antenna Speed		20rpm(3s)	
			30rpm(2s)	
			60rpm (1s) (Upgradable)	
6	Max Tracked Targets		≥ 500	
7	Tracing Velocity		1m/S 150m/S	
Power & Interfaces				
1	Power Supply	DC36 52V (With AC220V-DC48V Adapter)		
2	Communication	Gigabit Ethernet Aviation Plug		
3	Power Consumption	≤400W		
Environmental Suitability				
1	Operating Temperature		-40 +55	
2	Operating Humidity		≠90%	
3	Ingress Protection		IP66 (Host IP67)	
Weight Dimensions				
1	Weight (Kg)	Monomer	Host	25
			Turntable	25
			Tripod	20
		Packing	Host	45
			Turntable	50 (With accessories)
			Tripod	23

2	Dimensions (mm)	Monomer	Host	815*650*93
			Turntable	600*500*450
			Tripod	1100*450*450
		Packing	Host	970*780*250
			Turntable	600*520*470
			Tripod	1100*450*450

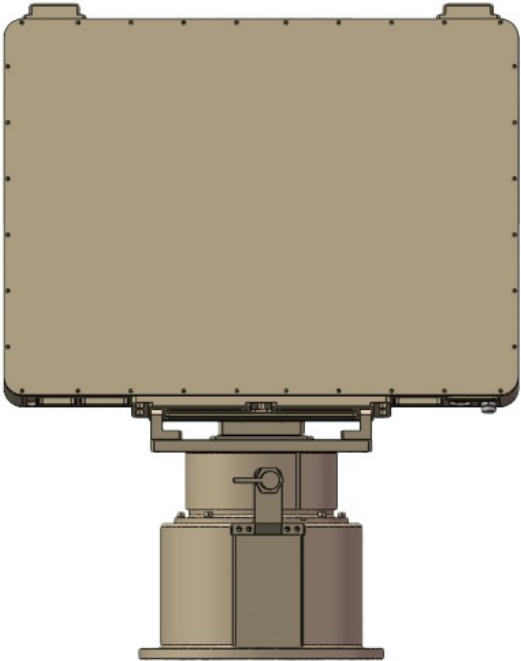
3, Features

The DDR - YK8 radar incorporates multiple advanced features, enabling it to exhibit outstanding performance in the detection and tracking of low - altitude targets. By means of azimuth mechanical scanning and elevation Digital Beamforming (DBF) technology, it attains a wide coverage of 360° in azimuth and 65° in elevation, thereby presenting remarkable cost - effectiveness. Leveraging DBF technology, it sustains high refresh rates (1s/2s/3s) and efficiently tracks targets with a maximum speed of 150m/s.

The advanced adaptive clutter suppression function effectively eliminates interference in real - time. This ensures high detection accuracy and low false alarm rates across various complex scenarios. The continuous wave system design results in low power consumption, a compact size, and lightweight portability. It allows for single - person deployment and rapid setup, facilitated by an intuitive user interface.

Its continuous signal transmission eradicates short - range blind spots while precisely tracking over 500 target batches simultaneously. The low peak power output offers strong concealment and a low interception probability, rendering it suitable for complex electromagnetic environments.

With support for a 1Hz spatial scanning rate in conjunction with advanced tracking algorithms, it can accurately and in real - time track highly maneuverable targets. Finally, its user - friendly data and interface designs facilitate seamless integration with other sensing devices, thus enabling the construction of comprehensive "anti - drone" defense systems.



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



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