Anti-Drone Radar with 30km Long Range Detection AI Tracking and Water Resistant for Public Places

Our Product Introduction

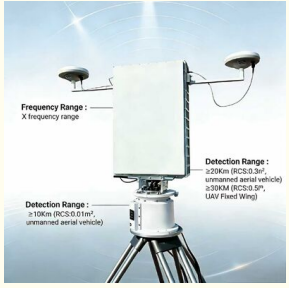
Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CE, FCC, ISO9001
- Model Number: DD-R27
- Minimum Order Quantity: 2
- 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

- Application: Public Places
- Feature: Water Resistant
- Frequency Range: X Frequency Range
- Search Precision (RMS): Distance: <10m, Azimuth : <0.4°, Elevation : <0.4°
- Tracking Accuracy (RMS): Distance: <10m, Azimuth : <0.3°, Elevation : <0.3°
- Joggle: RJ45 Network Port
- Supply Electricity: AC220V/DC24V
- Power Dissipation: ≤1200W
- Operating Temperature Range: -40 ~+60
- Levels Of Protection: IP66
- Highlight: **30km Anti-Drone Radar**, **Water Resistant Anti-Drone Radar**, **AI Tracking Anti-Drone Radar**

More Images



for more products please visit us on chinaantidrone.com

Our Product Introduction

Product Description

Anti-Drone Radar AI Tracking 30km Long Range Detection

Product Overview

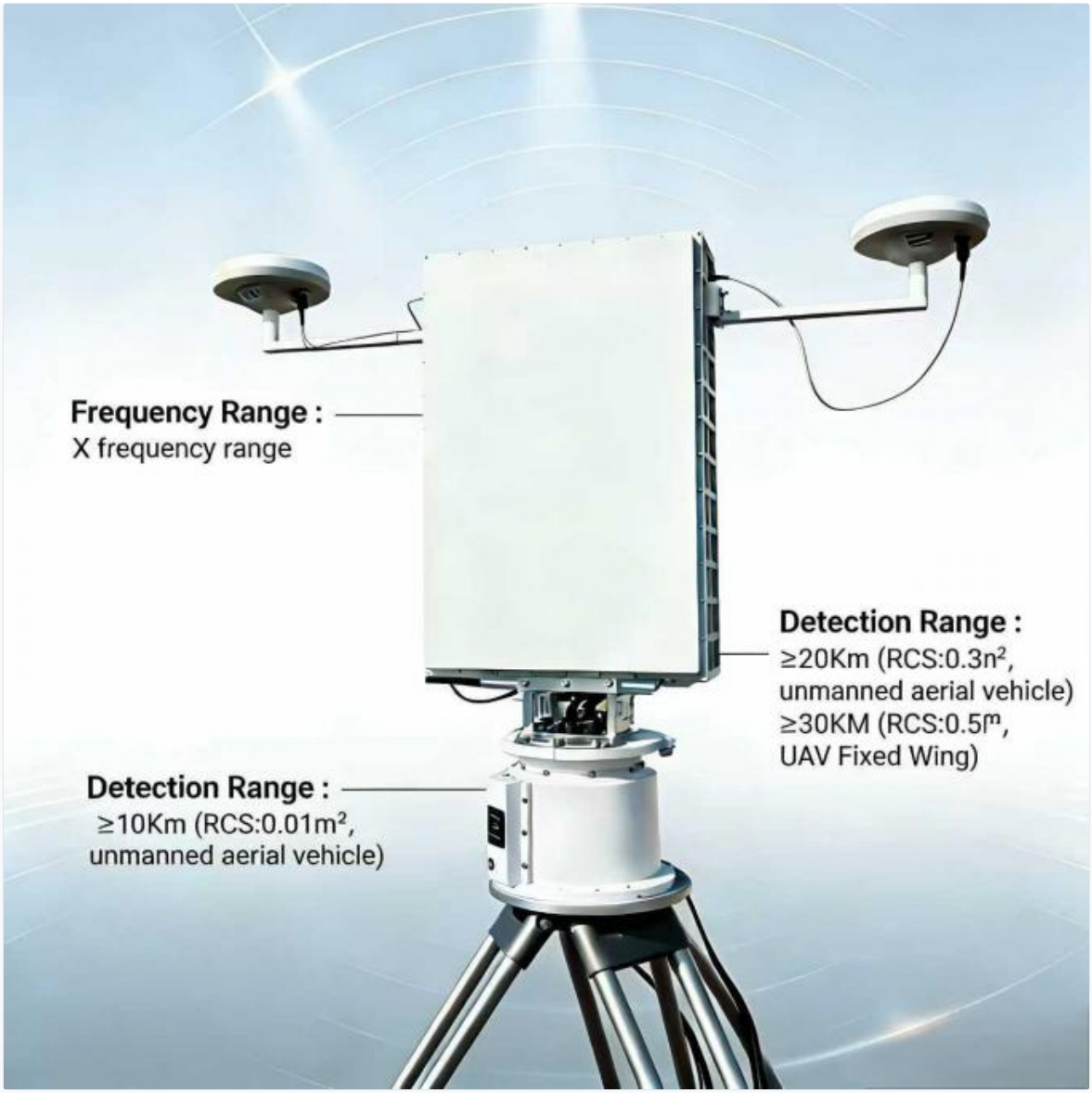
Advanced anti-drone radar system featuring AI-powered tracking technology with exceptional long-range detection capabilities up to 30 kilometers.

- Full Solid-State & Fully Coherent Pulse Doppler System: All-weather operation, strong anti-clutter ability, stable and reliable
- AI & Machine Learning Trajectory Recognition: Intelligent classification of drones, birds, vehicles and personnel with ultra-low false alarm rate
- Dual Tracking Modes: Mechanical scanning tracking + phase scanning TAS tracking, high tracking stability
- Long Detection Distance: Up to 30km for fixed-wing UAV; 20km for 0.3m² RCS UAV; 10km for 0.01m² RCS UAV
- Ultra-Low Blind Zone & Low-Altitude Detection: Detection blind zone ≤150m, minimum detection height 10m, perfect for low-slow-small targets
- Intelligent Clutter Suppression: False alarm rate reduced by over 80%, with SCR requirement as low as 3dB

Product Images

Order Number	Parameter	Metric
1	Frequency Range	X frequency range
2	Detection Range	≥10Km (RCS:0.01m², unmanned aerial vehicle) ≥20Km (RCS:0.3m², unmanned aerial vehicle) ≥30KM (RCS:0.5 ㎡, UAV Fixed Wing)
3	Fade Zone	≤ 150m
4	Work pattern	Supports machine scanning and 2D phase scanning
5	Antenna Type	Microstrip Antenna
6	TR Channel	384
7	Hunting Zone	Scan: Azimuth: 0°~360°, Pitch: 0°~60° (configurable) Sweep: Azimuth: -45°~45°, Elevation: 0°~60° (configurable)

8	Trace Function	Machine scanning tracking / phase scanning TAS function
9	TAS Tracking Target Count	≥6
10	Pulse Repetition Frequency	8K Hz
11	Detection Altitude	10m~5000m
12	Velocity Range	1m/s~100m/s
13	Target Update Rate	≤5s per phase; pitch coverage 30°, range 15km
14	Resolution Ratio	Distance: <15m; Azimuth: <6°; Elevation: <4°
15	Search Precision (RMS)	Distance: <10m; Azimuth: <0.4°; Elevation: <0.4°
16	Tracking Accuracy (RMS)	Distance: <10m; Azimuth: <0.3°; Elevation: <0.3°
17	Interface	RJ45 network port
18	Target Capacity	≥500 batches
19	Weight	≤38Kg (net, excluding power/cable)
20	Power Supply	AC220V/DC24V
21	Power Dissipation	≤1200W
22	Size	≤785mm340mm220mm
23	Operating Temperature	-40°C~+60°C
24	Protection Level	IP66


Frequency Range :
X frequency range
Detection Range :
≥20Km (RCS:0.3n²,
unmanned aerial vehicle)
≥30KM (RCS:0.5f²,
UAV Fixed Wing)
Detection Range :
≥10Km (RCS:0.01m²,
unmanned aerial vehicle)


Low, Slow, and Small Target Detection
Detection of targets with RCS as low as 0.01m²
and speeds as low as 0.5m/s
Micros target
Rader detection

Company Profile

The company is affiliated with the Institute of Internet of Things (IoT) under the Chinese Academy of Sciences, specializing in low-altitude security research with strong technological expertise.

The group company currently has an R&D team of over 100 members and more than 120 test engineers. Among them, there is 1 academician of the Chinese Academy of Sciences, 17 Ph.D. holders, and 48 master's degree holders.

The company is at the forefront of the industry in low-altitude radar, spectrum-based radio detection equipment, photoelectric camera tracking devices, and integrated defense systems.

Technical Expertise

Advanced clutter algorithms for signal processing to filter out weather, birds, and low-altitude clutter impacts

MIMO microstrip antenna arrays and traditional waveguide slot antennas with DBF recognition technology

Independently developed ultra-wideband signal sources and power amplifiers

Leading SDR broadband technology covering 70MHz to 8000MHz reception and transmission

Industry-first integrated solutions combining omnidirectional and directional antenna transmission

AI-based recognition and tracking solutions for photoelectric cameras

Packaging & Shipping Specifications

Packaging & shipping specifications

Step 1: Product Inspection

Check device functionality & compliance with export standards

Step 2: Custom Packaging

Use foam padding & & waterproof materials

Step 4: Documentation

Prepare commercial invoice & export declaration

Step 5: Shipping Arrangement

Select reliable carrier with air/ sea options

Step 6: Tracking & Delivery

Provide real-time tracking number to client

Production Workflow


CHNT

Customization Capabilities

Competitive Advantages

Factory Profile

MYT TEC

We are committed to becoming a leading global intelligent security expert at home and abroad and an innovator in the field of counter-drones. MYTTEC is established by the R&D center of Internet of Chinese Academy of Sciences, Wisesoft Co.,Ltd, and the founding team. As the leading intelligent security expert,MYTTEC has served hundreds of customers at home and abroad. We have branches and offices in Beijing,Shenzhen,Jiangxi,Jilin,Jiangsu,Guangdong,Fujian,etc.

100+
Served domestic and foreign customers

Relying on the strong scientific research capabilities of the Chinese Academy of Sciences and the industry experience of Wisesoft Co.,Ltd, MYTTEC focuses on innovation and R&D of three-dimensional security. We have over 80 patents and software copyrights. 8 products have passed the Ministry of Public Security certification.

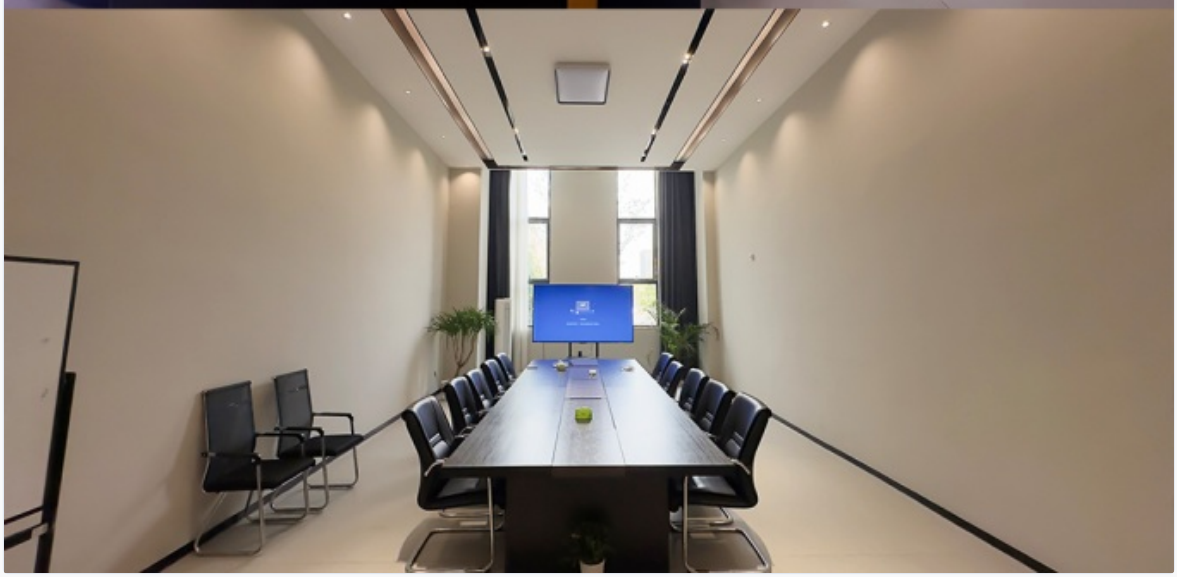
80+
Patents and software copyrights

Core Technologies

To meet the specific needs of unattended ground sensing and unattended low-altitude defense in scenarios of complex geographical environment, harsh climate, and wild environment of weak network and electricity infrastructure, MYTTEC develops core technologies of Unsupervised-learning-based high dimensional features extraction, multi-source sensing, low power consumption, weak signal


R&D CENTER
Cooperation with national-level laboratories, UHDF core technology research and development, patent innovation
CORE PRODUCTION
Aerospace aluminum body manufacturing, precision electronic assembly, frequency module production
GLOBAL CERTIFICATION
CE/FCC certification, military standard compliance, export license acquisition
QUALITY CONTROL
Military-grade testing, -40~+60 weather resistance, altitude/vibration certification
SYSTEM INTEGRATION
Software and hardware calibration, multi-device network testing, customized configuration
LOGISTICS CENTER
Custom packaging, temperature-controlled transportation, global distribution network
AFTER-SALES SUPPORT
24/7 technical support, on-site installation training, spare parts supply chain
Professional Manufacturing Center
ISO9001 certification, 10,000+ m² industrial workshop, automated production line, monthly capacity of 500+ units
Quality certification
Core advantages of military-grade manufacturing and quality control


拼搏
创新
协作
共赢

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8 行业应用

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