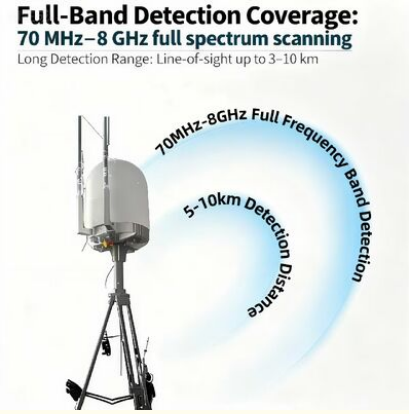
KZ-02 Fixed Drone Detection System with 70MHz-8GHz Full Band 3-10km Range and IP66 Protection

Our Product Introduction

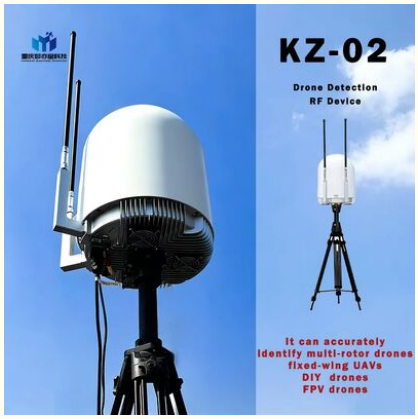
Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CE, FCC, ISO9001
- Model Number: KZ-02
- 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

- DID/RID Range: 2-10 Km
- Highlight: **IP66 Drone Detection System**, **Full Band Drone Detection System**



More Images




Product Description

KZ-02 Fixed Drone Detection System

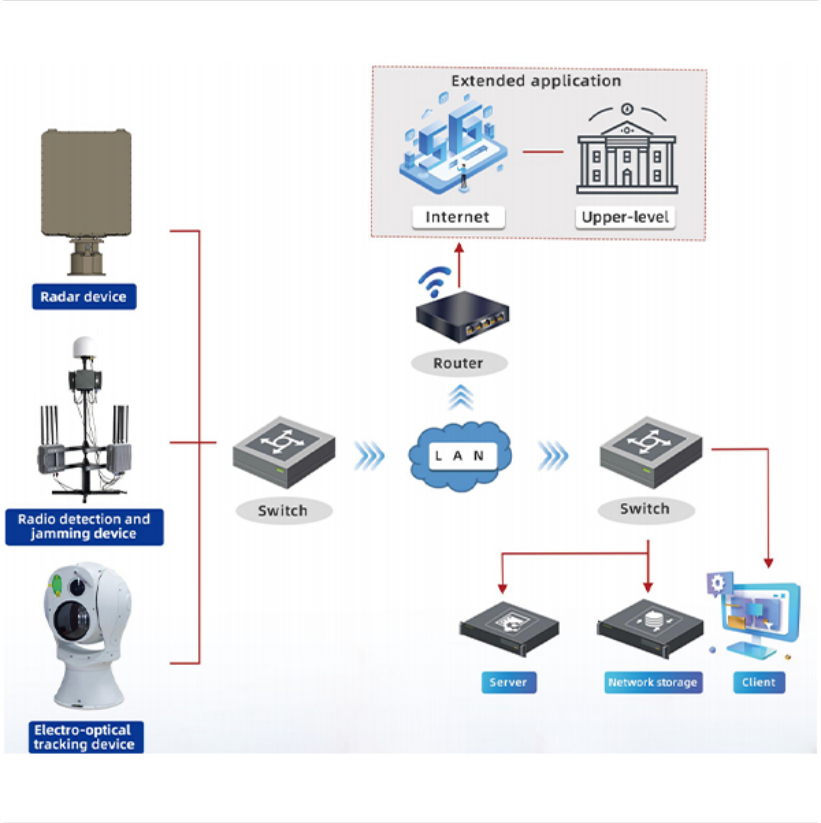
Product Overview

70MHz-8GHz Full Band 3-10km Range 360° Omnidirectional IP66 Drone Detector

Key Features

- Full-Band Coverage: 70 MHz-8 GHz full-spectrum scanning with spectrum analysis capability
- Long Detection Range: 3-10 km line-of-sight detection; 2-10 km DID/RID positioning; ≥1.5 km FPV video interception
- Dual Positioning: Synchronous positioning of both drone and controller
- FPV Video Interception: Real-time monitoring of 500 MHz-6.2 GHz analog video
- Triple Alarm Mode: Sound, light, and vibration alarm for instant alert

Product Images



NO.	NAME	Specification
1	Detection Frequency Range	70 MHz～8 GHz All frequency range（with spectrum analysis function)
2	Detection Range	3-10 km （Line-of-sight conditions, electromagnetic environment noise：-90 dB～-95 dB)
3	Position Distance	DID:3-10 km，RID ≥ 2 km （Line-of-sight conditions, electromagnetic environment noise：-90～-95dB）；
4	Analyze UAV Type	Models supporting the DID protocol (O2, O3, O3+, O4, O4+ protocols) and those supporting the RID protocol, including the entire DJI series, the entire Autel series, and other mainstream drone models supporting the RID function.
5	FPV Video Transmission Detection	≥ 1.5 km （Support real-time video viewing, line-of-sight conditions, analog video transmission power ≥ 2.5 W)

6	Analog Video Transmission Capture	Supports viewing analog video
7	Detection Range	The horizontal detection angle can reach up to 360°
8	Detection Response Time	The time required from the drone being powered on to the product detecting and reporting the drone is ≤ 5 s (under close-range line-of-sight test conditions: the distance between the target drone and the product is ≤ 500m).
9	Display	UAV distance, flight altitude, speed, position (including latitude and longitude, required to be accurate to within 1 meter), aircraft model, aircraft serial number (SN), aircraft takeoff point, aircraft return point, aircraft real-time trajectory, etc.
10	Cloud Platform	(1) It features unattended and manual control functions, capable of automatically completing drone detection, identification, alerting, positioning, and counteraction. The software can automatically activate jamming equipment and perform fully automatic tracking and suppressive jamming of
11	Power Consumption	≤100 W
12	Operation Temperature	（-40℃~+60℃）±2℃
13	Weight	≤17 kg
14	Size	400 mm*531 mm（直径*高）
15	IP Rating	IP66
16	AI-Powered Self-Learning for Updating UAV Model Database	Optional

Manufacturer 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.

R&D Capabilities

- R&D team of over 100 members and more than 120 test engineers
- Includes 1 academician of the Chinese Academy of Sciences, 17 Ph.D. holders, and 48 master's degree holders

Industry leadership in low-altitude radar, spectrum-based radio detection equipment, photoelectric camera tracking devices, and integrated defense systems

Core Technology

We specialize in radio spectrum detection and low-altitude security, with radio frequency scanning feature identification and decoding as our core technology. Critical breakthroughs via intelligent unsupervised learning and UHDF (Ultra-High Dimensional Signal Feature Extraction) Technology resolve industry dilemmas in drone signal recognition, positioning and jamming within complex electromagnetic environments.

Technical Specifications

- Full 70MHz-6GHz frequency coverage
- Detection sensitivity up to -110dBm
- Over 95% target recognition accuracy in complex settings
- Signal response time ≤3 seconds
- Clutter suppression rate above 90%
- Capable of tracking and controlling multiple intruding drones simultaneously
- Accurately identifies all drone types including quadcopters, fixed-wing, DIY modified and FPV racing drones

Global Partnerships

Our key partners currently span across European nations such as the United Kingdom and Spain, as well as the Middle East and South America. Our engineers provide uniquely tailored, cutting-edge technical support based on extensive hands-on experience with local conditions.

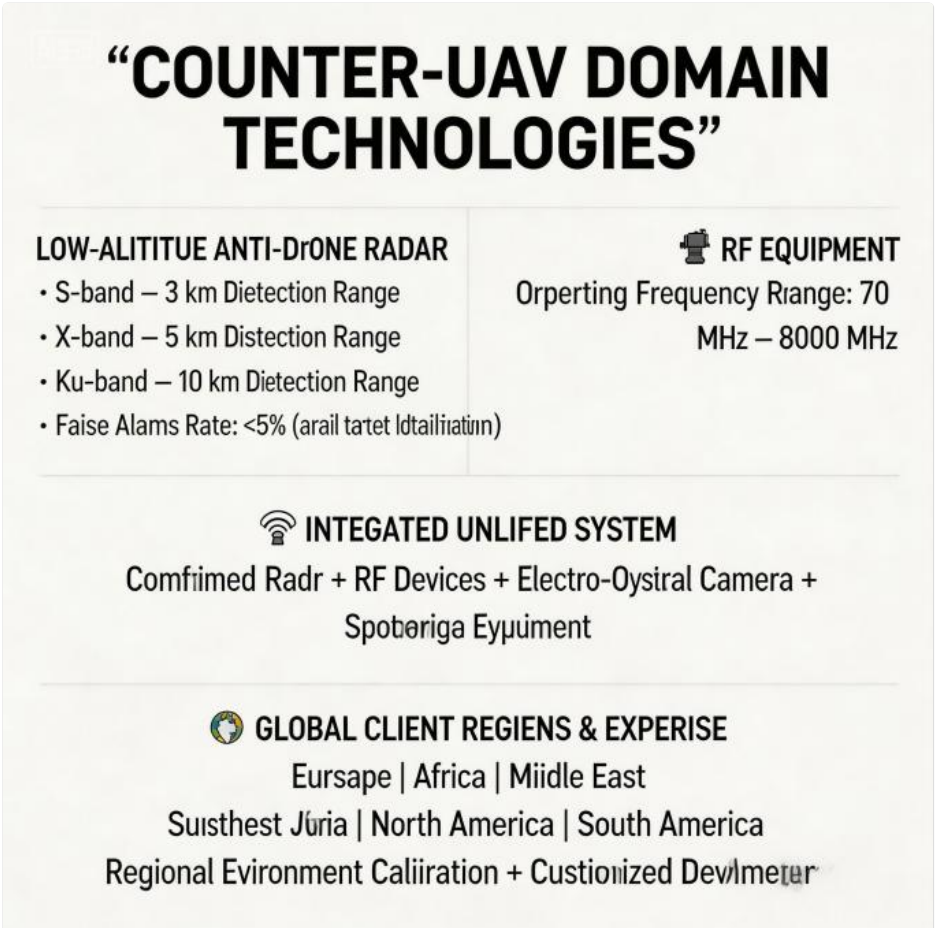
Packaging & Shipping Specifications


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

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+
Patentsand 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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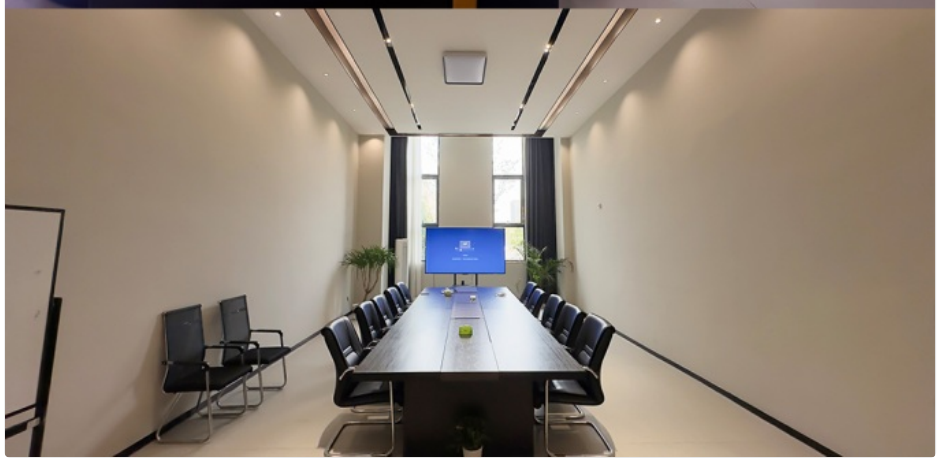


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