

Fixed Drone Detection Device KZ-02 with 70 MHz--8 GHz Full Band RF Scanner and 360° Omnidirectional Monitoring via GIS Cloud Platform

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

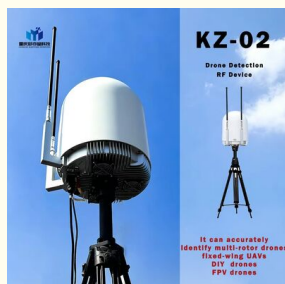


Product Specification

- Application: Anti-drone, Airport, Government Facility, Oil & Gas Field, Critical Infrastructure
- Feature: Remote Control
- Detection Bandwidth: 70 MHz--8 GHz (Full Band)
- DID/RID Positioning Range: 2-10 Km
- Protection Grade: IP66
- Operating Temperature: -40 ~ +60
- Storage Temperature: -50 ~ +70
- Power Supply: AC 220 V / DC 24 V (Optional)
- Power Consumption: ≤ 100 W
- Software Platform: Intelligent Cloud Platform (GIS Map, Whitelist/Blacklist)
- Highlight: 360° Fixed Drone Detection Device, GIS Cloud Fixed Drone Detection Device



More Images



for more products please visit us on chinaantidrone.com

Product Description

Fixed Drone Detection Device KZ-02 Full Band RF Scanner 360° Monitor With GIS Cloud Platform

Product Overview

Advanced fixed drone detection system featuring full-band RF scanning and comprehensive 360° monitoring capabilities with integrated GIS cloud platform.

Key Features

- Full-band detection coverage: 70 MHz - 8 GHz full spectrum scanning with spectrum analysis
- 360° omnidirectional monitoring: No blind zone, full azimuth coverage
- Ultra-fast response: Drone detection alarm ≤5 seconds
- Drone + controller dual positioning: Synchronize UAV & operator location information
- Triple alarm mode: Sound + light + vibration real-time 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 $\geq$ 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	$\geq$ 1.5 km (Support real-time video viewing, line-of-sight conditions, analog video transmission power $\geq$ 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 ≤ 500 m).
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°C~+60°C) $\pm 2^{\circ}\text{C}$
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



Company Profile

The company is affiliated with the Institute of Internet of Things (IoT) under the Chinese Academy of Sciences, specializing in low-altitude

Technical 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.

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

Industry-Leading Performance

- 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%

Our system can track and control multiple intruding drones simultaneously, accurately identify all drone types including quadcopters, fixed-wing, DIY modified and FPV racing drones, and fully guarantee the sensitivity and accuracy of low-altitude spectrum detection.

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, working on the ground, have accumulated extensive hands-on experience with local conditions, enabling us to provide our customers with uniquely tailored, cutting-edge technical support.

Company Overview



CAS INSTITUTE OF IoT (INTERNET OF THINGS) AFFILIATED ENTERPRISE

★ FOCUS: LOW-ALTITUDE SECURITY RESEARCH



OUR TEAM

- R&D Team:
 >100 Members
- Test Engineers:
 >120
- CAS Academician
 1
- PhD Holders:
 17
- Master's Degree
 Holders: 48



CORE TECHNOLOGIES

— RADAR SYSTEMS —

- MIMO Microstrip Antenna Array (Drone Detection)
- Waveguide Slot Antennas + DBF (Digital Beamforming)
- Clutter Filter Algorithms (filters weather/birds/low-altitude clutter)

— SPECTRUM TECHNOLOGY —

- 70MHz - 8000MHz Broadband SDR (Tx/Rx)
- Self-Developed: Ultra-wideband Signal Sources + Power Amplifiers

— INTEGRATED SOLUTIONS —

- Omnidirectional + Directional Antenna Integration
- AI Photoelectric Camera Recognition & Tracking
- Custom Scenario-Tailored Solutions

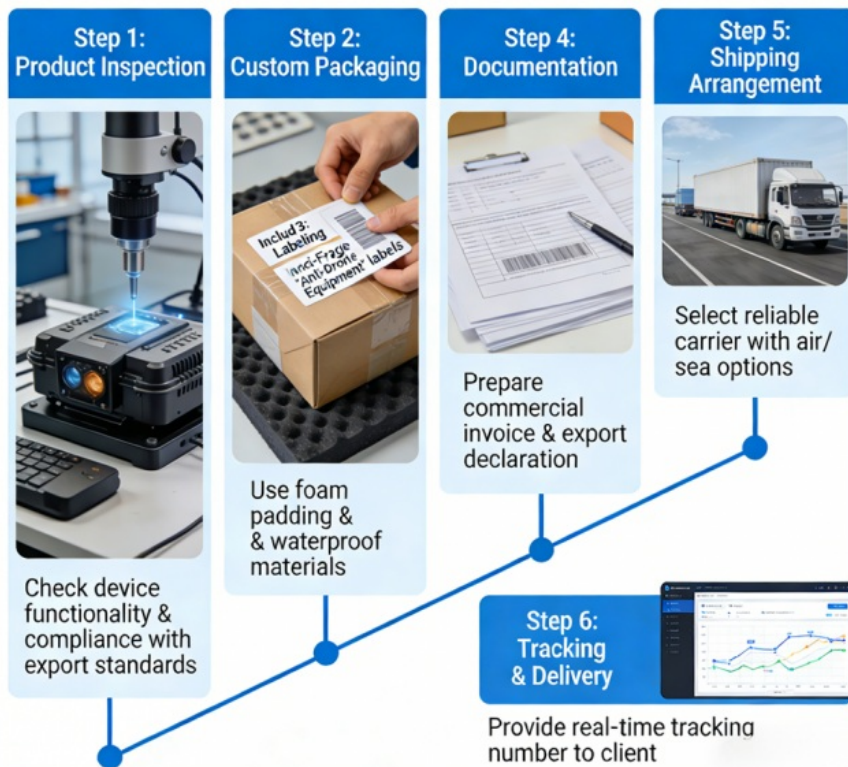
GLOBAL PARTNERS

- Europe: UK, Spain
- Middle East
- South America

FIELD ENGINEERS:

Localized On-Site Technical Support (Tailored Customer Solutions)

Packaging & shipping specifications





Production Workflow

Core Competencies Overview

R&D & Design

Customizable core parameters (frequency, detection range, countermeasure mode); professional RF, algorithm & structural teams ensure stability in complex environments

Quality Control

IQC for incoming materials, IPQC for key processes; FQC includes full-function, environmental & EMC tests

Precision Manufacturing

SMT for RF modules, CNC antenna with VSWR test; military-grade parts meet IP65; automated lines produce 50+ units/day

Packaging & Logistics

Custom shockproof packaging, multiple logistics options with full tracking



Customization Capabilities

Customization Services

- **OEM/ODM Service:**

Full-process hosting; customers only need to provide requirements and relevant standards to get qualifier

- **Sample Customization:**

3-7 days fast delivery; sample fee can be deducted from bulk orders (negotiable).

- **Bulk Customization:**

Flexible MOQ, 15-30 days delivery for bulk orders.

- **Packaging Customization:**

Multiple schemes available, suitable for overseas transportation and sales needs.

Competitive Advantages

“COUNTER-UAV DOMAIN TECHNOLOGIES”

LOW-ALITITUE ANTI-DrONE RADAR

- S-band – 3 km Dietection Range
- X-band – 5 km Distection Range
- Ku-band – 10 km Dietection Range
- Faise Alams Rate: <5% (arail tatet ldtailiratin)



RF EQUIPMENT

Orperting Frequency Range: 70
MHz – 8000 MHz



INTEGATED UNLIFED SYSTEM

Comfrimed Radr + RF Devices + Electro-Oysiral Camera +
Spotøriga Eypüment



GLOBAL CLIENT REGIENS & EXPERISE

Eursape | Africa | Miidle East
Suisthest Júria | North America | South America
Regional Evironment Caliiration + Custionized Devlmetar

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, Wisisoft 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

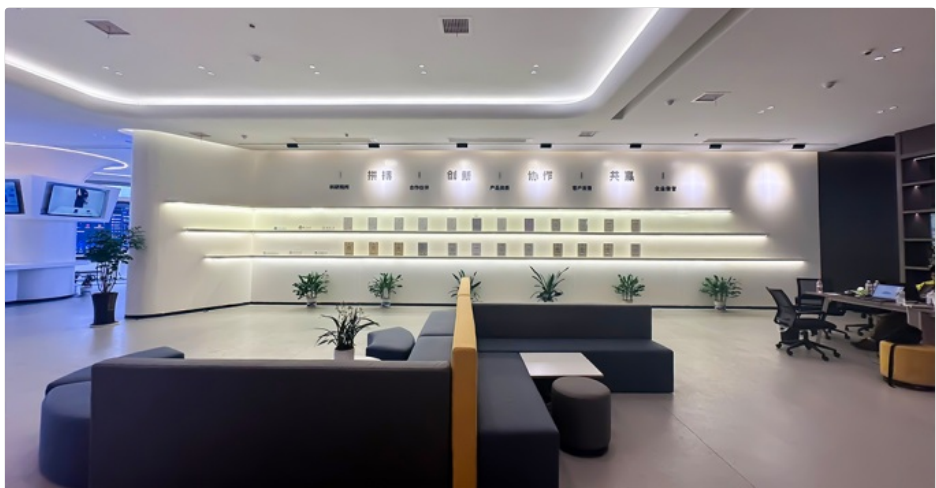
Relying on the strong scientific research capabilities of the Chinese Academy of Sciences and the industry experience of Wisisoft Co.,Ltd, MYTTEC focuses on innovation and R&D of three-dimensional security. We have over 80 patents and software copyrights. 8 products have passed the Ministry of Public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







Chongqing Miao Yi Tang Technology Co., Ltd.



+8613101235550



gary@chinaantidrone.com



chinaantidrone.com

www.chinaantidrone.com