Fixed KZ-02 Drone Detection Device with Full Band RF Scanner 360° Monitor and GIS Cloud Platform for Anti UAV Radar

Our Product Introduction

Basic Information

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

- Detection Frequency Range: 70 MHz 8 GHz All Frequency Range with Spectrum Analysis Function
- Detection Range: The Horizontal Detection Angle Can Reach Up To 360°
- Position Distance: DID:3-10 Km RID ≥ 2 Km Line-of-sight Conditions, Electromagnetic Environment Noise -90 -95dB
- 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
- FPV Video Transmission Detection: ≥ 1.5 Km Support Real-time Video Viewing, Line-of-sight Conditions, Analog Video Transmission Power ≥ 2.5 W
- Analog Video Transmission Capture: Supports Viewing Analog Video
- Power Consumption: ≤100 W

More Images

Our Product Introduction

Product Description

Fixed KZ-02 Drone Detection Device

The Fixed KZ-02 Drone Detection Device is a comprehensive UAV detection solution featuring full-band RF scanning, 360° monitoring, and GIS cloud platform integration. Designed to address unauthorized drone activities including illegal intrusion, surveillance, and privacy violations, this system provides frontline situational awareness for airspace security.

Technical Specifications & Capabilities

With the rapid development of unmanned aerial vehicle (UAV) technology across various sectors, the need for reliable drone detection has become critical. The KZ-02 system employs full-band scanning, multi-dimensional information analysis, and real-time alerting to meet detection requirements for routine patrols and critical infrastructure protection.

Technical Terms & Abbreviations

- **DID (Drone ID):** UAV Identification Protocol for transmitting and identifying drone identity information
- **RID (Remote ID):** UAV Remote Identification Protocol for remotely acquiring drone position and identity information
- **FPV (First-Person View):** Real-time view of drone's flight perspective through video transmission equipment
- **GIS (Geographic Information System):** System for presenting geospatial data and environmental information

Certifications & Quality Standards

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

NO.	NAME	Specification
		drones based on the position information provided by the detection product. (2) It includes a whitelist and blacklist function. (3) It features a high-definition GIS system function: displays the surrounding environment, product deployment locations, and other information. (4) It includes log playback and statistical recording functions: drone intrusion logs, displaying angle, alarm time, and frequency information. It allows playback of drone intrusion records and provides statistical reports on drone intrusions. (5) It features a positioning function: the system has GPS positioning capability, enabling location marking on the map. (6) It can display product statuses such as offline, standby, power-off, and abnormal states. (7) It supports spoofing jamming of satellite navigation coordinate information received by drones using satellite navigation positioning, featuring functions such as linear mode and circular mode. (Optional function)
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

Manufacturing Excellence

Affiliated with the Institute of Internet of Things (IoT) under the Chinese Academy of Sciences, we specialize in low-altitude security research with strong technological expertise. Our group company features an R&D team of over 100 members and more than 120 test engineers, including 1 academician of the Chinese Academy of Sciences, 17 Ph.D. holders, and 48 master's degree holders.

We are industry leaders in low-altitude radar, spectrum-based radio detection equipment, photoelectric camera tracking devices, and integrated defense systems. Our radar technology focuses on advanced clutter algorithms for signal processing to filter out weather, birds, and low-altitude clutter impacts.

We possess innovative low-altitude detection and identification technology for drones using MIMO microstrip antenna arrays, along with traditional waveguide slot antenna technology with DBF recognition. In spectrum signal transmission, we've independently developed ultra-wideband signal sources and power amplifiers with leading SDR broadband technology covering 70MHz to 8000MHz.

Packaging & Shipping Specifications

Production Facilities

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

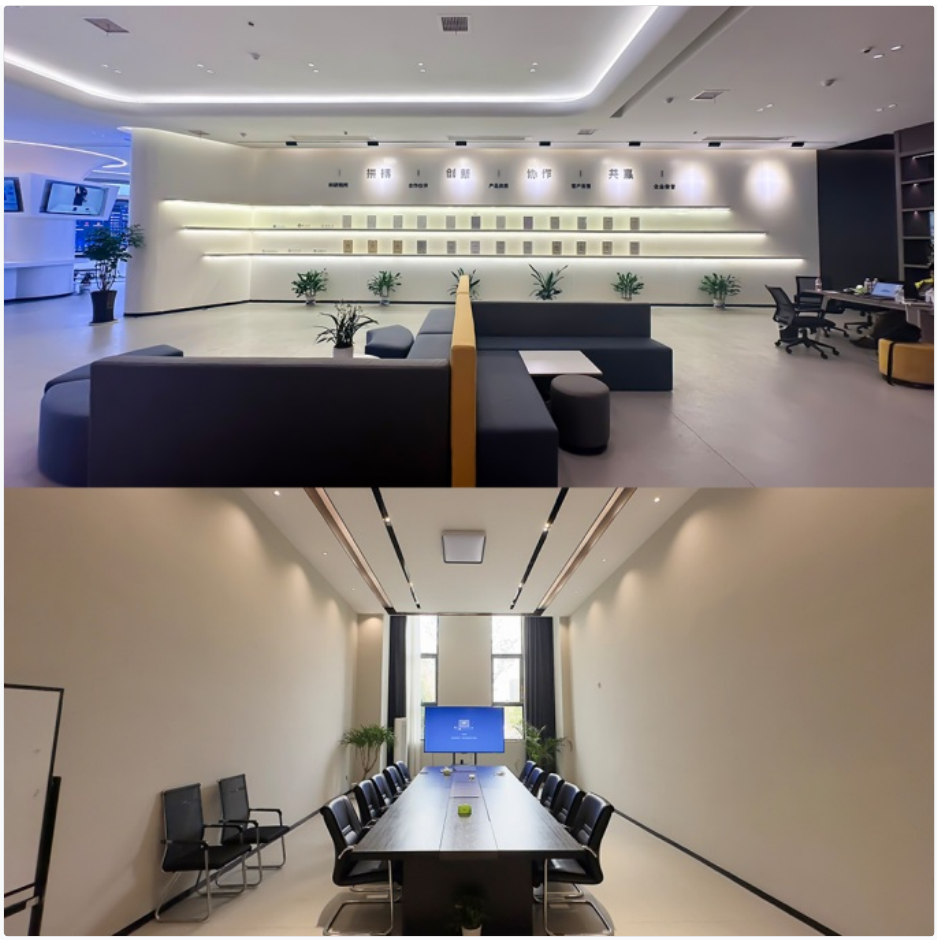
Relying on the strong scientific research capabilities of the Chinese Academy of Sciences and the industry experience of Wisesoft Co.,Ltd, MYTTEC focuses on innovation and R&D of three-dimensional security. We have over 80 patents and software copyrights. 8 products have passed the Ministry of Public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



Advanced Laser Anti-Drone Technology


Border Security

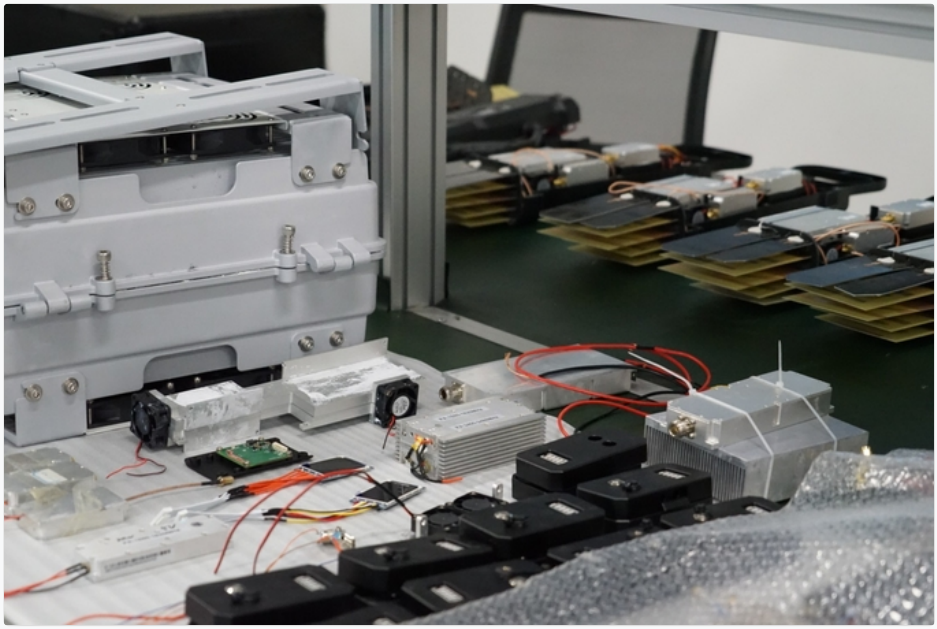

Public Safety


Special Operations Support


Military and National Defense


Energy Facility Protection


Security for Key Events



Customer Service & Support

- 24-hour after-sales service support
- Online technical support for usage or quality issues with comprehensive problem diagnosis
- 3-month return policy from dispatch date for undamaged products with full refund or product modification options

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