All-scenario Drone Threat Detection Positioning Equipment FPV Real-time Video Capture Multi Terminal Alarm Notifications Long Range Recognition For Security Patrol And Evidence Investigation

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: KZ-16
- Minimum Order Quantity: 1
- Price: Pricing is negotiable based on order quantity
- Packaging Details: 343 mm × 230 mm × 86 mm (L × W × H)
- Delivery Time: 10 work days
- Payment Terms: TT,LC
- Supply Ability: 1000units per month

Product Specification

- Identification Types: Supports Mainstream Drones Such As DJI, Autel, Hubsan, As Well As FPV Racing Drones And DIY Drones
- Device Dimensions: 343 Mm × 230 Mm × 86 Mm (L × W × H)
- Positioning Models: Full Range Of DJI Drones, Selected Models From Autel
- DID/RID Positioning Range: DID≥10km RID≥3km
- Battery Life: ≥6 Hours (main Unit)
- Detection Radius: ≥1.5 Km (line-of-sight, Clean Electromagnetic Environment)
- Device Weight: ≤8 Kg
- Positioning Accuracy: ≤10 M
- Detection Rangec: ≥10 Km For Mainstream Drones, ≥2 Km For FPV Drones
- Detection Response Time: ≤3 S (8 Frequency Bands); ≤5 S (12 Frequency Bands)
- Video Capture Distance: ≥1.5 Km (line-of-sight, Clean Electromagnetic

More Images

Product Description

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All-Scenario Drone Detection and Positioning Device

1 Product Introduction

With the rapid development and widespread popularization of drone technology in recent years, drones have demonstrated enormous application potential across a diverse range of fields including professional aerial photography, precision agriculture (such as crop monitoring and pesticide spraying), emergency rescue (including search and rescue missions in remote areas and disaster-stricken zones), and public security patrols. However, alongside these valuable applications, drones have also brought about increasingly prominent and serious safety risks. Incidents involving illegal airspace intrusions, malicious reconnaissance of sensitive facilities, unauthorized surveillance leading to privacy violations, and even reckless flights near airports or crowded public areas occur frequently. These behaviors not only disrupt normal air traffic order but also pose severe threats to national security, public safety (including the safety of people's lives and property), and the privacy rights of individuals. Therefore, the research and development of efficient, reliable, and advanced drone jamming and countermeasure technology has become an urgent and crucial need to strengthen airspace management, maintain airspace security, and ensure overall social stability.

The all-scenario drone detection and positioning device is a cutting-edge integrated solution that combines multiple core functions: full-frequency band drone signal detection, high-precision positioning of both drones and their ground pilots, real-time FPV (First-Person View) video capture, and secure data storage. Even in complex electromagnetic environments—such as areas with dense wireless signals, urban canyons, or remote rural regions with signal interference—the device maintains exceptional performance, enabling it to accurately identify and classify various types of drones, including consumer-grade quadcopters, professional fixed-wing drones, self-assembled DIY drones, and high-speed FPV racing drones. Upon detecting a target, the device triggers multi-dimensional alerts through sound (audible alarms), light (visual indicator lights), and vibration (tactile feedback), ensuring that operators can promptly respond to potential threats. Designed for practicality and versatility, this device is mainly applied in scenarios such as daily routine patrols in key areas (e.g., government premises, airports, and power stations), critical asset protection (including industrial facilities, cultural relics, and important infrastructure), team-based joint operations (such as coordinated security missions or anti-drone campaigns), and investigative evidence collection (securing video and signal data for legal proceedings related to illegal drone activities).

2 Device Features and Functions

1) Full-Band Detection:
70 MHz to 6.2 GHz wide-spectrum scanning
2) Analytical Positioning:
Monitors multidimensional data such as drone location (latitude, longitude, azimuth), speed, flight path, and controller position (latitude, longitude, azimuth)
3) FPV Video Capture:
Captures all analog video transmissions, enabling first-person view analysis of FPV intrusions and real-time dynamics
4) Enhanced Detection Capability:
Detection and decryption range up to 12 km
5) Multi-Terminal Alarm Push:
Alarm information pushed to multiple mobile terminals for team collaboration and efficient response

6) Multi-Scenario Deployment:
Supports backpack-mounted, fixed-site, and vehicle-mounted operations

3 Device Operation Interface

4 Device Structure and Components

The KZ-16 all-scenario drone detection and positioning device consists of four antenna units, a radio detection module, a video capture module, a PC terminal, a main housing, a power supply unit, and a backpack.

Serial number	Product name	Product picture	Number	Size (mm)	Weight (k
1	Main device		1	400mm * 165mm * 500mm	7
2	Antenna	/	4	Diameter 16 mm * height 400mm	0.85
3	Charger		1	/	0.25
4	Backpack		1	337mm * 475mm	0.65
5	Aviation case		1	/	1.4

5 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.

6 Application Scenarios

Incidents such as illegal intrusions, malicious reconnaissance, and privacy violations occur frequently through drones, posing a serious threat to national security, public safety, and personal privacy. Therefore, the development of efficient and portable drone countermeasures technology has become an urgent need to maintain airspace security and ensure social stability.

7 Certification Certificate

8 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.

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