

Portable Drone Detector with 12KM Detection Range and Real-Time Video Interception for Public Security

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CE, FCC, ISO9001
- Model Number: KZ-16
- 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

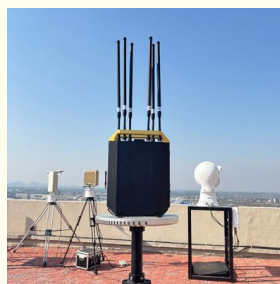
- Application: Public Places
- Feature: Remote Control
- Type: Signal Detector
- Detection Range: 12KM
- DID/RID Location Range: DID 10KM RID 3KM
- Localization Accuracy: ≤ 10 Meters
- Video Transmission Detection: ≥ 1.5 km
- Pilot View Interception Rang: ≥ 1.5 km
- Alert Methods: Audible Alarms
- Power Supply: Lithium Battery
- Endurance: 6 Hours
- Dimensions: 340*230*86mm
- Weight: ≤ 7.5 kg
- Highlight: 12KM Range Portable Drone Detector

Multi-Role Drone Detection Device

≥ 12 KM



More Images



for more products please visit us on chinaantidrone.com

Product Description

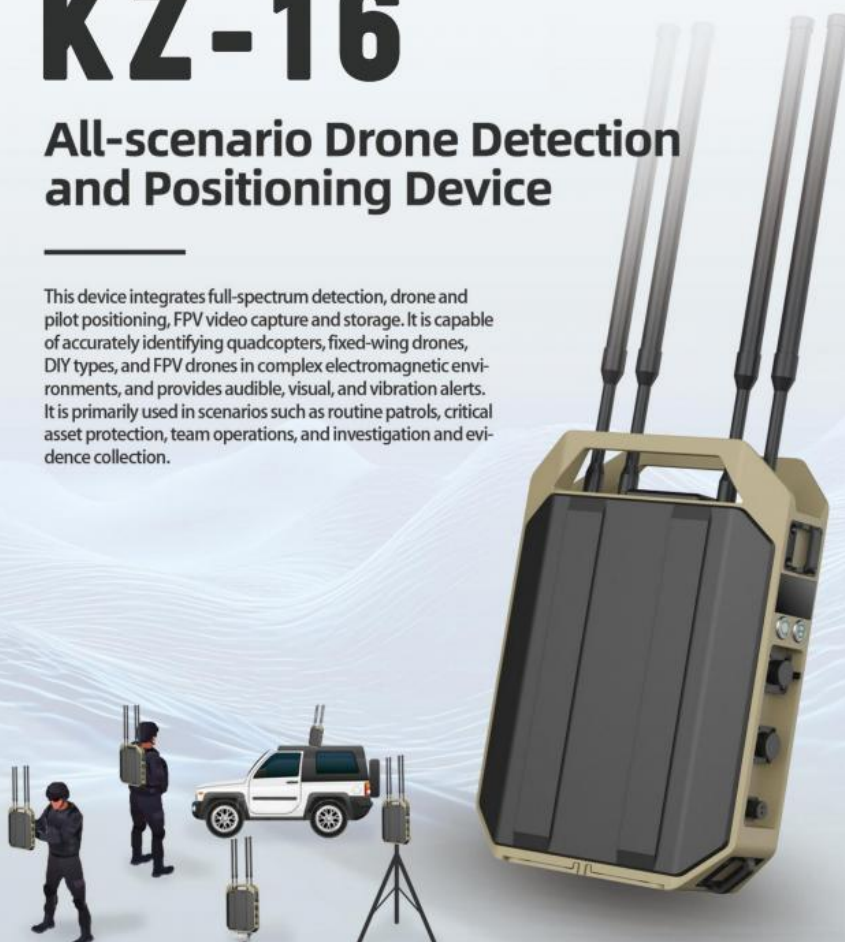
Portable Drone Detector 5-12KM Signal Detect and Location Drone and Pilot Data Transmit to Phone

Real Testing

KZ-16

All-scenario Drone Detection and Positioning Device

This device integrates full-spectrum detection, drone and pilot positioning, FPV video capture and storage. It is capable of accurately identifying quadcopters, fixed-wing drones, DIY types, and FPV drones in complex electromagnetic environments, and provides audible, visual, and vibration alerts. It is primarily used in scenarios such as routine patrols, critical asset protection, team operations, and investigation and evidence collection.



4 Detection and Analysing Modes | **FPV Real-time Video Capture**
12km+ Long-range Recognition and Positioning
5 Versatile Usage Methods | **Multi-terminal Alarm Notifications**

| Features



**Full-spectrum
Detection**



**Positioning and
Analysing**



FPV Video Capture



**Strong Detection
Capability**



**Multi-terminal
Alarm Push**



**Multi-scenario
Deployment**

| Application scenarios





Specification

Supported Drone Types	DJI, Autel, Hubsan, FPV racing drones, DIY drones, etc.
Detection Range	Supports custom scanning from 70 MHz to 6.2 GHz (default bands: 400 MHz, 800 MHz, 900 MHz, 1.2 GHz, 1.4 GHz, 2.4 GHz, 5.2 GHz, 5.8 GHz; other bands configurable)
Positioning Models	All DJI models, selected Autel models
Detection Distance	≥10 km for mainstream drones, ≥2 km for FPV drones
DID/RID Positioning Distance	DID ≥10 km, RID ≥3 km
Positioning Accuracy	≤10 meters
FPV Video Detection	Supports all analog video transmissions from 500 MHz to 6 GHz (customizable)
Video Transmission Detection Radius	≥1.5 km (line-of-sight, clean electromagnetic environment)
Video Capture Distance	≥1.5 km (line-of-sight, clean electromagnetic environment)
Alarm Types	Sound, vibration, light
Power Supply	Lithium battery powered
Battery Life	≥6 hours (main unit)
Device Dimensions	400 mm × 165 mm × 500 mm (L × W × H)



Product Hardware Features

- Device Dimensions: Approximately 343mm × 230mm × 86mm (L × W × H)
- Battery: Removable, with a capacity of 25Ah; dimensions 65mm × 73mm × 148mm
- Upgrade Interface for Additional Boards (USB)
- Charging Interface (using a special aviation plug structure)
- Waterproof Design of Device Structure, IP66 rating
- GPS positioning function
- Tablet mounting function; supports the use of a tablet mounted on the device
- Supports multiple usage forms including backpack, fixed, and vehicle-mounted
- The backpack has compartments for antennas and tablet storage
- Battery level display function (Coulomb counter)
- RJ45 networking function
- Built-in 4G network function (both international and domestic)

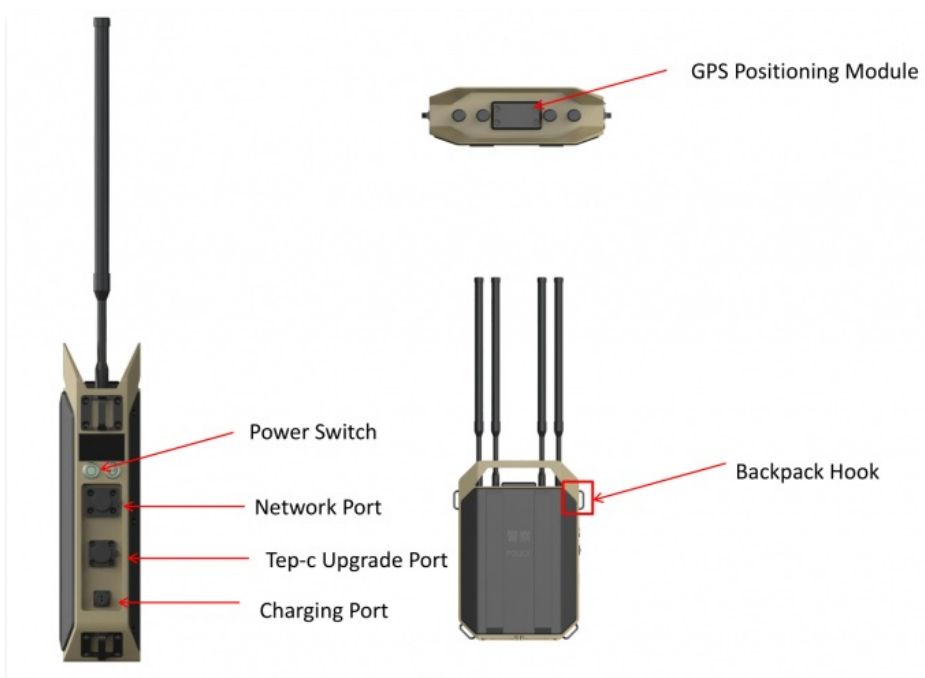
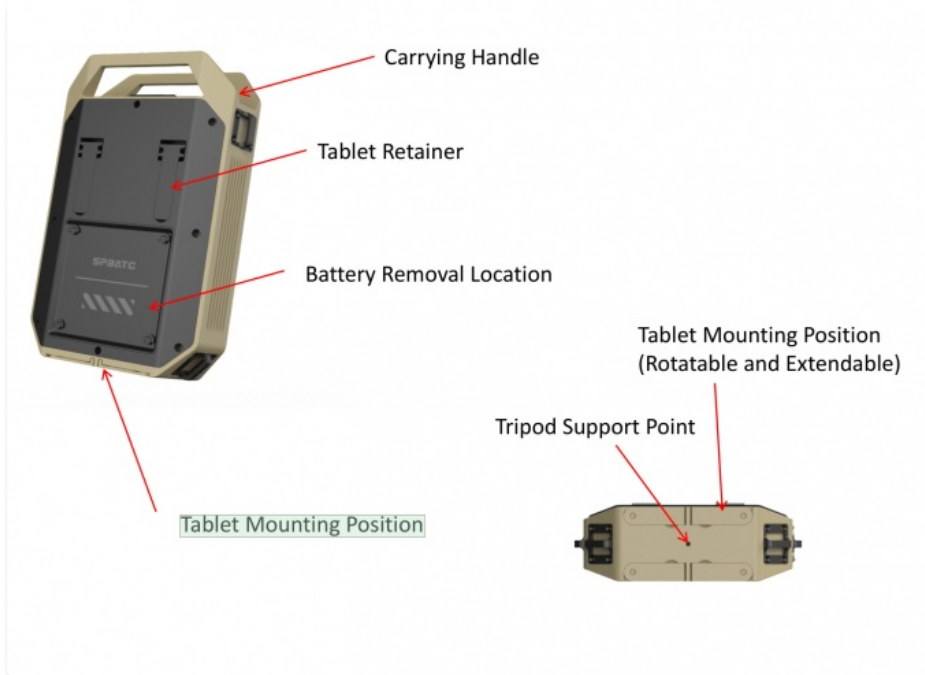
Product Software Features

- Alarm Signal Reception: The tablet provides an audible alarm signal upon receiving an alarm from the host device (can be manually disabled)
- Drone Localization: Capable of locating the position of drones
- Pilot Localization: Capable of locating the position of the drone operator
- Unique Serial Number: Can identify the unique serial number of drones
- Whitelist and Blacklist: Drones with unique serial numbers can be added to a whitelist; the system will automatically alarm when drones not on the whitelist are detected
- Trajectory Tracking: Can display multiple drone flight trajectories simultaneously
- Electronic Map: Features both online and offline electronic map capabilities
- Trajectory Playback: Capable of replaying flight trajectories
- Historical Record Query: Allows for querying and downloading of historical records (detection logs)
- Navigation Spoofing Interface: Equipped with a reserved interface for navigation spoofing

Operation Mode: Supports both local and cloud deployment (with future upgrade to cloud)

Multi-Device Access: Capable of supporting access from multiple devices

Real-Time Video Viewing: Capable of displaying real-time video feeds



Functional Features

The portable drone detection and positioning device integrates functions such as detection, drone and pilot positioning, video interception, and video storage. It is capable of full-band detection, drone and pilot positioning, FPV analog video transmission detection, video interception, display and control, and video storage.

In complex electromagnetic environments, it can accurately identify various types of drones, including quadcopters, fixed-wing drones, DIY drones, and FPV drones, and generates audio, visual, and vibration alerts. This device is applied in various scenarios such as daily patrols, protection of important targets, team operations, and evidence collection.

Key Capabilities

Full-Band Detection: Covers the full frequency band from 70 MHz to 6.2 GHz

FPV Band Coverage: Complete coverage of analog video transmission from 300 MHz to 6.2 GHz

Precision Positioning: Monitors multi-dimensional information of drones, including location (latitude and longitude, azimuth), speed, flight path, and remote controller position (latitude and longitude, azimuth)

Video Interception: Capable of intercepting all analog video transmissions to analyze FPV intrusions and real-time dynamics from the "first-person perspective"

Superior Detection Capability: Detection and decryption range can reach up to 12 km

Multi-End Alarm Push: Pushes alarm information to multiple mobile devices, enabling team collaboration and efficient response



Technical Specifications

Carrying Methods	Backpack/Fixed/Vehicle-mounted
Spectrum Detection	Full-band detection
Detection Range	Localization and decryption $\geq 10\text{km}$ / Video transmission detection $\geq 3\text{km}$ / Spectrum detection $\geq 5\text{km}$
Drone Localization	DJI
Pilot Localization	DJI (with map indexing)
Trajectory Tracking	Supported
Whitelist/Blacklist	Supported
Intrusion Alerts	Supported
Trajectory Playback	Supported
Detection Records	Supported
Electronic Map	Supported
Multi-Drone Networking	Supported
Cross-Terminal Connectivity	Supported
Weight	$\leq 7.5\text{kg}$
Dimensions	340*230*86
Terminals	External tablet
FPV Video Transmission Detection	Supported (FPV detection board)
Analog Video Interception	Supported (FPV detection board)
Decryption Localization Range	$\geq 10\text{km}$
Battery Capacity	Built-in battery 12000mAh / Replaceable
Number of Antennas	4
Power Supply	AC power supply / Battery power supply
Cost/Selling Price	Selling price 9W



MYT Technology is a company under the Institute of IoT (Internet of Things) of the Chinese Academy of Sciences. We specialize in providing integrated solutions and related components for drone low-altitude security communication, detection, and control. With a

strong R&D team led by communication experts from the Chinese Academy of Sciences, we possess leading technological advantages in AI algorithms for communication and intelligent SDR modules, delivering reliable products and services to clients worldwide.

Leveraging our robust technical expertise, we offer customized product solutions tailored to our clients' needs, creating significant commercial value for global partners. We look forward to sharing our technology and value with friends around the world.





Packing & Delivery





Chongqing Miao Yi Tang Technology Co., Ltd.



+8613101235550



gary@chinaantidrone.com



chinaantidrone.com

www.chinaantidrone.com