

Portable Drone Detector with 12KM Detection Range and Real-Time Video Viewing for Accurate Drone Positioning

Our Product Introduction

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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

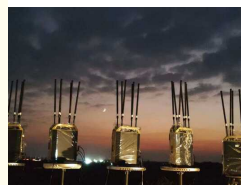


Product Specification

- 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: Real Time Video Detection



More Images



Our Product

Product Description

Drone Detector Portable Device with Positioning System

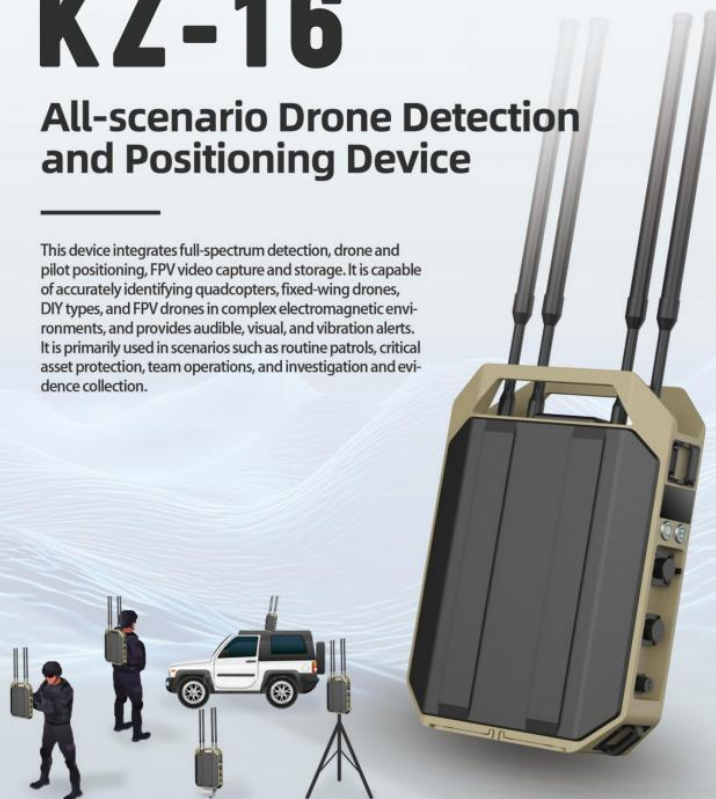
Real Testing

Features

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)

Detection Range	
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)

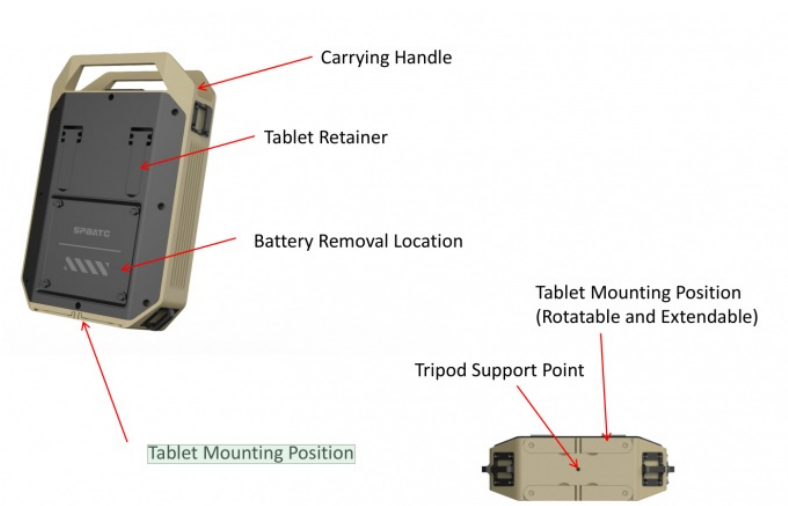


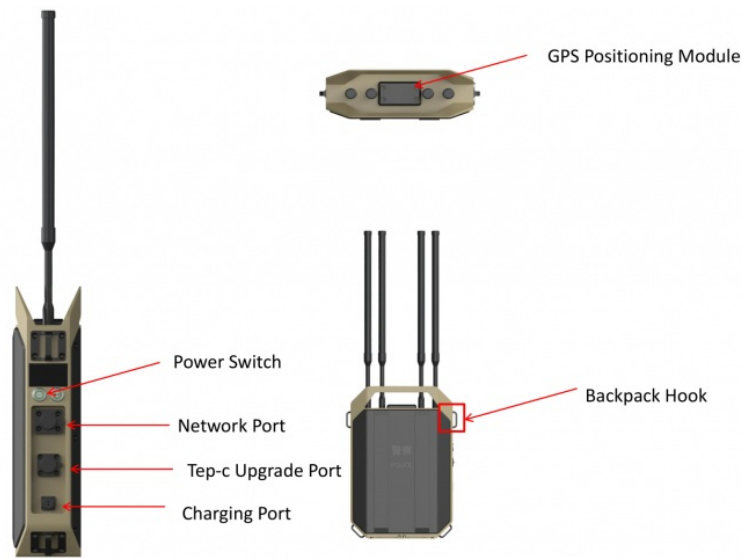
Product Features

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

Software Features

- Audible alarm signal reception with manual disable option
- Drone position localization capability
- Pilot position localization capability
- Unique drone serial number identification
- Whitelist and blacklist functionality
- Multiple drone flight trajectory tracking
- Online and offline electronic map capabilities
- Flight trajectory playback
- Historical record query and download
- Navigation spoofing interface
- Local and cloud deployment support
- Multi-device access capability
- Real-time video feed display





Functional Features

The portable drone detection and positioning device integrates detection, drone and pilot positioning, video interception, and video storage functions. It provides full-band detection, drone and pilot positioning, FPV analog video transmission detection, video interception, display and control, and video storage capabilities.

Key Capabilities

- Full-Band Detection: 70 MHz to 6.2 GHz frequency coverage
- FPV Band Coverage: Complete 300 MHz to 6.2 GHz analog video transmission coverage
- Precision Positioning: Multi-dimensional drone monitoring including location, speed, flight path, and remote controller position
- Video Interception: All analog video transmission analysis for FPV intrusion detection
- Superior Detection Range: Up to 12 km detection and decryption range
- Multi-End Alarm Push: Team collaboration and efficient response through multiple mobile devices



Technical Specifications

Item	Parameters
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	≥10km
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.









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