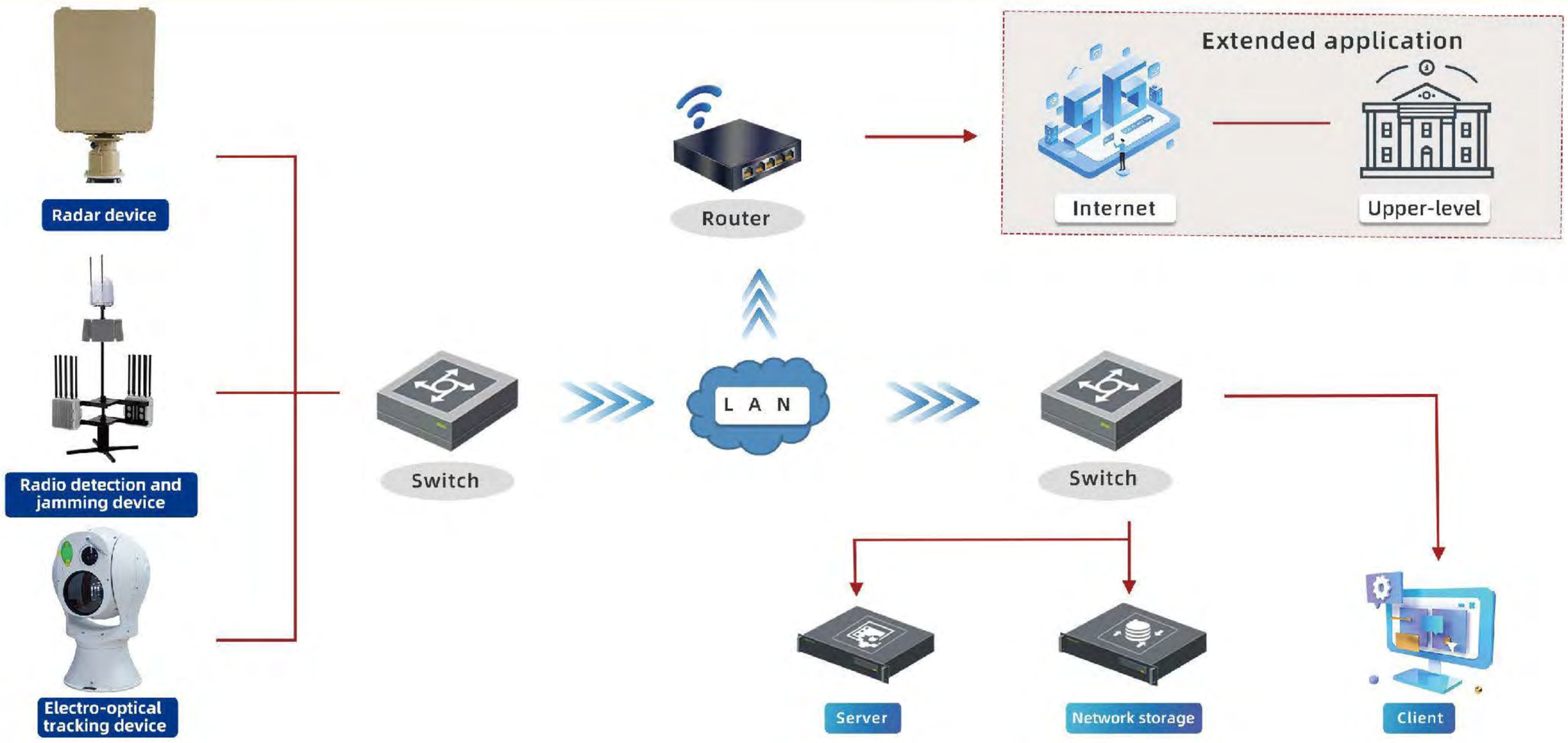
Global Intelligent Security Expert

02

Drones Jamming and Low-Altitude Defense System



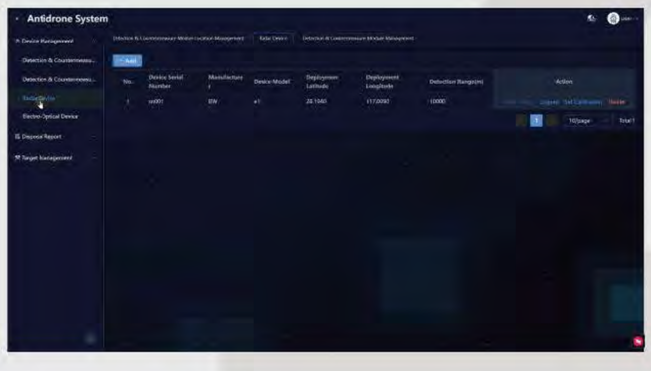
Core Features

Multi-source Cooperation and Intelligent Visual Tracking

It can guide the gimbal based on target position data from radar or drone detection equipment, enabling visual identification and long-range automatic tracking of drones through intelligent vision.

Device Management

Supports unified management of radio frequency detector, radar, electro-optical turntable, jammer, and spoofing devices.

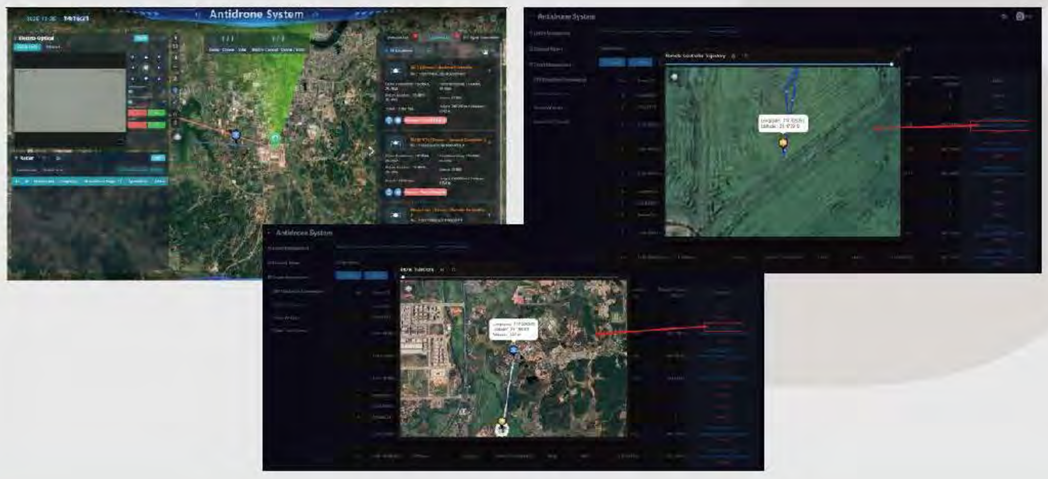


System Overview

The system deeply integrates radar detection equipment, radio detection and jamming equipment, and electro-optical tracking equipment. By combining technologies such as multi-spectrum detection, multi-source data fusion, and intelligent analysis and decision-making, it can achieve early detection, rapid locking, stable tracking, accurate identification, and strong countermeasures against low-altitude drones, ensuring low-altitude security in key locations throughout all times and in all dimensions.

Drone Flight Trajectory Display

Supports real-time display of drone flight trajectory and replay history records of detected drone flight trajectory on GIS map.

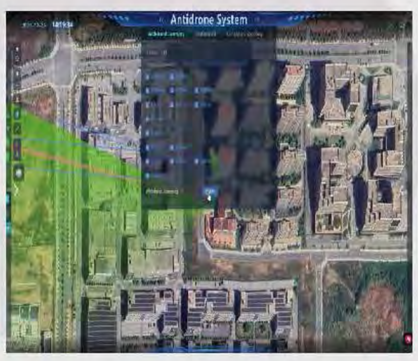


Multi-source target trajectory information fusion

A collaborative data link is established between radar systems and various types of detection devices, enabling coordinated fusion processing of multi-source trajectory data and attribute information for the same target.

Jamming and Spoofing

Use jamming and spoofing device to attack or counteract drone, and support multiple jamming mode such as wideband jamming and unattended attack.



Defense Zone Control

Use jamming and spoofing device to attack or counteract drone, and support multiple jamming mode such as wideband jamming and unattended attack.

Video Preview and PTZ Control

Supports real-time video preview, visible light and thermal imaging video switching, as well as control of gimbal orientation and zoom lens functions.

DR100-AB

(6/8) Vehicle-based Drone Detection and Jamming Equipment

(6 bands)

(8 bands)

Product Introduction

The equipment uses radio spectrum sensing technology, integrating detection and jamming. It can realize 360° all-round detection and jamming of unauthorized drones and force them to return or make an emergency landing. It has the characteristics of strong mobility, wide coverage, and real-time response.

Features

- 3 Convertible Applications
- Flexible Deployment on Various Types of Vehicles
- 3km Long-distance Jamming
- FPV Video Transmission Detected and Captured
- 360° Full Frequency Band Detection and Jamming

Specification

Detection frequency band	70MHz-6GHz full-frequency scanning, detection and display
Detection range	≥5km (Depends on working conditions)
FPV video transmission detection	500MHz-6.2GHz full-frequency scanning, detection and display
Video transmission detection range	≥1.5km(Supports viewing real-time video)
Detection coverage	Horizontal：360°
Jamming frequency band	900MHz,1.2GHz,1.5GHz,2.4GHz,5.2GHz,5.8GHz(6 bands) 868MHz,915MHz,1.2GHz,1.4GHz,1.5GHz,2.4GHz,5.2GHz,5.8GHz (8 bands)
Jamming distance	≥3km (Depends on working conditions)
Jamming coverage	Horizontal：360°; pitch：-90°~+90°
IP rating	IP65
Operation temperature	(-20°C~+60°C) ±2°C
Weight	57.6kg (6 bands)/50kg(8 bands)
Size	6 bands: 816mm*777mm*628mm(L*W*H) 8 bands: 677mm*645mm*673mm(L*W*H)

VEHICLE-MOUNTED TYPE

DR100-C

(8/10)
Vehicle-based FPV Jamming Equipment

Product Introduction

This equipment is designed specifically to counter the threat of FPV drones. It emits interference signals to disrupt communication between the drone and the remote controller or interfere with navigation signals. The device is highly mobile and flexible, allowing for quick deployment to designated areas to control and interfere with drones.

Features

- 360° All-around Interference
- Customizable Frequency Bands
- Strong FPV Jamming Performance
- Automatic & Remote-controlled Multi-mode
- 1 km Jamming Range

Specification

Jamming frequency band	400MHz-500MHz, 630MHz-780MHz, 770MHz-900MHz, 890MHz-1020MHz, 1220MHz-1360MHz, 2400MHz-2500MHz, 5100MHz-5300MHz, 5700MHz-5900MHz(8 bands) 200MHz-300MHz, 300MHz-400MHz, 400MHz-500MHz, 630MHz-780MHz, 740MHz-840MHz, 830MHz-940MHz, 1220MHz-1360MHz, 2400MHz-2500MHz, 5100MHz-5300MHz, 5700MHz-5900MHz(10 bands)
Band power	Each band ≥ 30W
Jamming range	0-1 km (Depending on conditions)
Jamming direction	360°
Response time	≤ 5 seconds
Power supply	AC220V/110V
Power consumption	≤1000W
Control method	Panel control
Operation temperature	(-40°C~+60°C)±2°C

FIXED TYPE

DR200-AB

Fixed Drone Detection and Jamming Device

Product Introduction

The device is based on multi-sensor fusion technology and integrates various technologies such as radio detection, protocol decoding, electromagnetic jamming, navigation spoofing, and networked supervision. It combines scanning, detection, jamming, and spoofing into one unit, enabling linkage between one detection unit and multiple jamming units. This allows for the establishment of a comprehensive detection and defense system, meeting diverse low-altitude defense needs both domestically and internationally.

Features

- 360° Full Frequency Band Detection
- 1+N Collaborative Linkage
- FPV Video Transmission Detected and Captured
- Super Interference to FPV Drones
- Integrated Detection, Jamming, and Spoofing on One Unit

Specification

Detection frequency band	70MHz-6GHz full-frequency scanning, detection and display
Key detection frequency band	433MHz, 530MHz, 750MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 3.3GHz, 5.2GHz, 5.8GHz
Detection range	≥10km (Depends on working conditions)
FPV video transmission detection	500MHz-6.2GHz full-frequency scanning, detection and display
Video transmission detection range	≥1.5km(Support viewing real-time video)
Azimuth range	Horizontal: 360°
Jamming frequency band	700MHz-840MHz, 860MHz-930MHz, 1170MHz-1290MHz, 1400MHz-1490MHz, 1560MHz-1620MHz, 2385MHz-2490MHz, 5150MHz-5250MHz, 5725MHz-5850MHz
Jamming distance	≥3km (Depends on working conditions)
Spoofing radius	1 ~ 3km+ (Depends on environment and drone model)
Spoofing signal	GPS, GLONASS, BD
Spoofing activated time	≤4s
Direction finding accuracy	≤±15RMS°
Operation temperature	(-40°C~+60°C) ±2°C
IP rating	IP66
Weight	Detection device: ≤17kg, Jamming device: ≤33kg
Size	Detection device: 400mm*531mm (D*H) Jamming device: 461mm*305mm*531mm (L*W*H)

*Note:The spoofing function is optional and can be selected by users according to their needs.

DR200-A

Fixed Drone Detection Device

Product Introduction

Through radio detection technology and protocol decoding technology, the device can identify drone type, remote ID, etc. It realizes drone detection, identification and early warning, positioning and tracking, and provides accurate information for subsequent defense.

Features

- Unmanned guard 24/7
- 360° Full Frequency Band Detection
- FPV Video Transmission Detection and Capture
- 1+N Collaborative Linkage
- 1V1 Professional Customized Services

Specification

Detection frequency band	70MHz-6GHz full-frequency scanning, detection and display
Key detection frequency bands	433MHz, 530MHz, 750MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 3.3GHz, 5.2GHz, 5.8GHz
Detection range	≥10km (Depends on working conditions)
FPV video transmission detection	500MHz-6.2GHz full-frequency scanning, detection and display
Video transmission detection range	≥1.5km(Supports real-time video viewing)
Azimuth range	Horizontal: 360°
Direction finding accuracy	≤±15RMS°
Operation temperature	(-40°C~+60°C) ±2°C
IP rating	IP66
Weight	≤17kg
Size	400mm*531mm (D*H)

FIXED TYPE

DR200-C

Fixed Drone Detection and Jamming Device

Product Introduction

The device has excellent capabilities of detection, identification, interference, jamming and long-distance working. It does not require supervision and automatically detects and counteracts drones, forcing them to land or return, preventing drones from entering the defense zone and protecting the safety of low-altitude airspace.

Features

- Super Interference to FPV Drones
- 360° Full Frequency Band Detection
- FPV Video Transmission Detection and Capture
- 1+N Flexible Deployment
- 13 Frequency Bands & 4 Directional Jamming Arrays

Specification

Detection frequency band	70MHz-6GHz full-frequency scanning, detection and display
Key frequency bands	433MHz, 530MHz, 750MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 3.3MHz, 5.2GHz, 5.8GHz
Detection range	≥10km(Depends on working conditions)
FPV video transmission detection	500MHz-6.2GHz full-frequency scanning, detection and display
Video transmission detection range	≥1.5km(Supports real-time video viewing)
Azimuth range	Horizontal: 360°
Direction finding accuracy	≤±15RMS°
Detection response time	≤5s
Omnidirectional jamming frequency band	410MHz-480MHz, 650MHz-740MHz, 740MHz-840MHz, 860MHz-930MHz, 1170MHz-1290MHz, 1200MHz-1340MHz, 1400MHz-1490MHz, 1560MHz-1620MHz, 2385MHz-2490MHz, 4880MHz-5080MHz, 5870MHz-6060MHz, 5150MHz-5250MHz, 5720MHz-5860MHz (Customizable)
Unidirectional jamming frequency band	830MHz-940MHz, 2385MHz-2490MHz, 5100MHz-5250MHz, 5720MHz -5860MHz
Jamming distance	≥3km (Depends on working conditions)
Operation temperature	(-40°C~+60°C)±2°C
IP rating	IP66
Weight	≤170kg (Excluding packaging)
Size	1367mm*1013mm*2661mm (L*W*H)

DR200XD-AB

Fixed Drone Detection and Jamming Device

Product Introduction

The system consists of a UAV detection system and a radio jamming system, capable of detecting, identifying, and jamming UAVs. It can force a drone to hover, land, or return to home, effectively securing low-altitude airspace and preventing unauthorized UAV intrusion into protected zones. The system offers excellent detection and defense performance, long-range operational capability, and fully unattended operation.

Features

Full-band Detection

Integrated Detection and Jamming

High Scalability

Unattended Operation

Specification

Detection frequency band	70MHz-6GHz full-frequency scanning, detection and display
Key frequency bands	433MHz, 530MHz, 750MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 3.3MHz, 5.2GHz, 5.8GHz
Detection range	≥8km(Depends on working conditions)
Azimuth range	Horizontal: 360°
Omnidirectional jamming frequency band	840MHz~930MHz, 1170MHz~1290MHz, 1400MHz~1490MHz, 1560MHz~1620MH, 2385MHz~2490MHz, 5150MHz~5250MHz, 5720MHz~5860MHz
Jamming distance	≥3km (DJI Mavic 2)
Operation temperature	(-40°C~+60°C)±2°C
IP rating	IP66
Weight	≤30kg
Size	465mm*275mm*510mm (L*W*H)

FIXED TYPE

DR200-RID

Fixed Drone Detection Device

Product Introduction

The device is an integrated UAV detection terminal that combines spectrum monitoring, RID signal reception and decoding, information extraction, and multi-source data fusion processing. It can operate independently or connect to an upper-level supervision platform, providing an integrated "Identity Identification + Dynamic Tracking" solution for UAV management. It effectively fills the technical gaps of traditional systems—such as radar, which can detect but struggles to identify, and optical equipment, which is easily obstructed.

Features

- RID Protocol Parsing
- Multi-Endpoint Remote Management
- Automatic Signal Scanning
- Real-Time Data Transmission

Specification

Signal sensitivity	≤ –102 dBm (2.4 GHz band), ≤ –100 dBm (5.8 GHz band)
Parsing distance	RID ≥ 2 km
Detection coverage	360° horizontal, 90° vertical
Detection display information	Drone distance, altitude, speed, position, model, SN, takeoff point, return-to-home point, real-time trajectory, and more
Positioning accuracy	Consistent with the UAV's RID broadcast accuracy (Horizontal ≤ 10 m, Vertical ≤ 5 m)
Detection capacity	≥ 30 drones
Parsing latency	≤ 200 ms
Data transmission methods	Supports Ethernet (10/100/1000 Mbps) and 4G/5G (long-distance uplink)
Operating temperature	–20°C to +65°C
Protection rating	IP66
Detection coverage (Optional)	400 MHz – 6 GHz
DID Parsing (Optional)	Distance ≥ 3 km

DR200-TD

Fixed Full-frequency Jamming and Spoofing Device

Product Introduction

The device integrates both jamming and spoofing functions. By transmitting radio signals, it creates an electromagnetic shielding zone within a designated area, cutting off the connection between the UAV and its controller, forcing the UAV to return-to-home or leave the area, preventing it from entering the protected zone. The device can also operate jointly with a radio detection system, coordinating through a centralized management platform to perform countermeasures and spoofing against UAVs entering the defense area.

Features

- Full-frequency Jamming
- Autonomous Frequency Band Selection
- Integrated Design
- Unmanned Operation
- Multiple Jamming Modes

Specification

Jamming frequency range	300 MHz – 6 GHz
Spoofing frequency bands	GPS L1 C/A, GLONASS G1, BDS B1I, Galileo E1
Jamming range	3 km (Typical target)
Maximum output bandwidth	250 M
Spoofing radius	1 km (Customizable)
Maximum concurrent jamming channels	6
Jamming coverage angle	Azimuth: 0°–360°; Elevation: 0°–70°
Jamming frequency bands	300MHz-1000MHz, 1000MHz-2500MHz, 1575MHz-1620MHz, 2500MHz-4000MHz, 4000MHz-6000MHz, 5725MHz-5850MHz
Power consumption	⩽ 2500 W
Power supply	AC 220 V
Operating temperature	(-40°C~+60°C) ±2°C
Weight	30 kg
Size	560mm*640mm*510mm(L*W*H)

FIXED TYPE

DR200-S1

Fixed Navigation Spoofing Device

Product Introduction

This product can regenerate satellite navigation spoofing signals in real time across at least two frequency bands, deceptively jamming the navigation coordinates received by satellite-based drones. This enables directional repelling (in eight directions) and area denial, ensuring low-altitude safety.

Features

- Real-time Spoofing Signal
- Defense Zone Creation
- Functional Expansion
- Low Environmental Impact
- Unmanned Operation

Specification

Supported frequency bands	GPS L1, GPS L2, GPS L5, GLONASS L1, BDS B1I, Galileo E1
Onset time	<10s
Number of spoofing drones	≥10
Frequency tolerance	$<\pm 2\times10^{-6}$
Defensive range	Radius ≥1 km (Customizable)
Power supply	AC 220V/50Hz
Operating temperature	(-40°C~+60°C)±2°C
IP rating	IP66
Weight	≤11kg
Size	351mm*150mm*355mm (L*W*H)

PORTABLE TYPE

DR600-A

All-Scenario Drone Detection and Positioning Device

(Optional)

(App)

Product Introduction

This device integrates full-frequency detection, drone and pilot positioning, and FPV video capture and storage. It can accurately identify quadcopter, fixed-wing, DIY, and FPV drones in complex electromagnetic environments, and generate audible, visual, and vibration alarms. It is primarily used in daily patrols, key target protection, team operations, and investigation and evidence collection.

Features

- 4 Detection and Analysis Modes
- FPV Real-time Video Capture
- Multi-device Alarm Push
- 5 Diverse Usage Options
- 12km+ Long-range Identification and Positioning

Specification

Detects	Mainstream drones such as DJI, Autel, and Haboson, as well as FPV drones and DIY drones
Detection range	70MHz - 6.2GHz full-band scanning, detection, and display
Location models	Full DJI series, selected Autel models
Detection range	≥10km for mainstream models, ≥2km for FPV drones
DID/RID location range	≥10km for DID, ≥3km for RID
Location accuracy	≤5m
FPV image transmission detection	Supports all analog image transmission detection bands from 500MHz- 6.2GHz (Customizable)
Image transmission detection radius	≥1.5km (with line of sight, clean electromagnetic environment)
Video capture distance	≥1.5km (with line of sight, clean electromagnetic environment)
Power supply	Lithium Battery
Battery life	≥6h (Main unit)
Weight	≤8.5kg
Size	283mm* 114mm *380mm (L * W * H, Without antenna)

DR500-AB

Portable Drone Detection and Jamming Shield

Product Introduction

The equipment consists of a drone detection system and a radio jamming system. It has excellent detection and defense performance and long-distance working capabilities. By suppressing the signals of drone remote control data transmission, image transmission, and navigation, it forces the drone to hover, land or return, effectively protecting the safety of low-altitude airspace and preventing drones from entering the defense zone.

Features

- 400MHz-6GHz Full-frequency-band Detection
- 2km Precise and Efficient Jamming
- Super Practical Usage
- Smart Touch Screen
- Rapid and Mobile Deployment

Specification

Detection frequency band	400MHz-1500MHz, 2200MHz-2500MHz, 5150MHz-5950MHz
Detection range	≥2km (Depends on working conditions and drone models)
Direction finding accuracy	≤10°
Azimuth range	Horizontal: 0°~360°
Jamming distance	≥2km (Depends on working conditions and drone models)
Jamming frequency band	900MHz, 1.2GHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz
Operation screen	≥3.5-inch touch screen to display drone frequency band, signal strength and other information
Jamming coverage angle	≥30°
Frequency band switching	Can select separate communication jamming, separate navigation jamming or full frequency jamming
Network control	Can be interconnected with mobile terminal (APP) and back-end command and management platform at multiple levels (Optional)
Battery life	≥20h, equipped with detection and alarm function in standby mode
Operation temperature	(-40°C~+60°C)±2°C
Weight	≤8.5kg (Including the battery)
Size	390mm*160mm*326mm (L*W*H)

PORTABLE TYPE

DR400-E(A)

Portable Drone Detection and Wrist Watch Alert Coordination Device

Product Introduction

The device is mainly composed of a detection host and information-receiving terminal (wrist watch), and has functions such as detection, display and control, and team coordination.The product adopts low-power ultra-wideband digital reception technology, signal detection algorithms, and drone identification algorithms, complemented by an external high-efficiency ultra-wideband antenna, which make it quickly and accurately detect and identify various types of quad-rotor, fixed-wing, DIY, FPV and other drones, and generate sound, light and vibration alarms.

Features

- Wireless Upgrade
- Full-frequency-band Detection
- 1+N Team Collaboration
- Super Early Warning for FPV Drones
- Dual-mode Detection
- Low False Alarm Rate

Specification

Identified drone type	Mainstream drones and most FPV, DIY drones, etc.
Detection frequency band	Supports customized scanning of 70MHz-6.2GHz, default bands include 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz (others can be customized)
Detection radius	≥1.5km (clear line-of-sight and electromagnetic environment)
Wrist watch reception distance	≥500m (clear line-of-sight and electromagnetic environment)
Detection response time	≤3s (8 frequency bands); ≤5s (12 frequency bands)
Detection principle	Spectrum scan and spectrum feature identification.
Alarm mode	Sound, vibration, light
Screen size	2.0 inches
Power supply mode	Removable lithium battery
Battery life	≥6h (host) ;≥12h (wrist watch)
Operating temperature	-20°C to +50°C
Size	68mm*50mm*154mm (L*W*H)

DR400-D

Portable FPV Video Transmission Detected and Captured Device

(Optional)

Product Introduction

This device integrates the functions of full-frequency detection, video transmission signal detection, display and control, video capture, and video storage in one unit. It can accurately identify drones such as quad-rotor, fixed-wing, DIY drones, FPV and other drones in complex electromagnetic environments, and generate sound, light, and vibration alarms. The device is suitable for various individual duty scenarios such as daily patrols, protection of important targets, team combat, investigation and digital forensic, etc.

Features

- 70MHz-6.2GHz Full-band Detection
- 500MHz-6.2GHz FPV Full Coverage
- Video Capture and Storage
- 1+N Working Mode
- Portable Design

Specification

Detection type	Mainstream drones and most FPV, DIY drones, etc.
Detection frequency band	Supports customized scanning of 70MHz-6.2GHz, default bands include 400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz (others can be customized)
Detection radius	≥1.5km (Good views and electromagnetic environment)
FPV video transmission signal detection	Supports the detection of all analog video transmission signal within the 500MHz-6.2GHz frequency bands (Supports customization)
Video capture distance	≥1.5km (Good views and electromagnetic environment)
Detection response time	≤3s (8 bands);≤5s (12 bands)
Detection principle	Spectrum scan, spectrum feature identification
Alarm options	Sound, vibration, light
Storage space	32G memory card,MAX 256GB
Screen size	7-inch touch screen
Power supply mode	Lithium battery
Battery life	≥5h (host)
Size	215mm*44mm*150mm (L*W*H)

*Note:The wristband is optional and can be selected by users according to their needs.

PORTABLE TYPE

DR400s

Lightweight Drone Jamming Device

Product Introduction

The device is lightweight, individual-used, and portable. While ensuring defensive performance, the device is highly integrated with microwave circuits and small antennas. It is powerful for controlling drones within the visual range.

Features

- Long Battery Life of 24h
- One Click Trigger
- Good price/performance ratio
- Lightweight Design of 2kg
- Efficient Jamming within 1km

Specification

Jamming frequency band	1550MHz-1620MHz, 2400MHz-2500MHz, 5150MHz-5250MHz, 5700MHz-5900MHz
Jamming distance	≥1km
Operation temperature	(-40°C~+60°C)±2°C
Usage	Handheld, carried on the waist and back...
Battery	Two built-in low temperature resistant lithium batteries
Weight	≤2kg (Including the battery)
Size	355mm*60mm*255mm (L*W*H)

HANDHELD TYPE

DR300-1

(6/8 frequency bands) Handheld Detection and Jamming Device

Product Introduction

The device integrates technological innovation and humanized structural design. Through radio frequency scanning feature recognition and decoding, the device can comprehensively detect illegally intruding small, low, and slow drones, and through efficient jamming, it can achieve interference of drone remote control, image transmission and navigation signals, forcing the drone to return or land.

Features

- Full-band Priority Detection
- 2km Long-distance Jamming
- Super Interference to FPV Drones
- 1+N Collaborative Linkage
- 24/7 Continuous Operation

Specification

Detection frequency band	2.4 GHz, 5.8 GHz (Expandable to additional frequency bands)
Detection Range	≥2km (Eepends on working conditions)
Jamming frequency band	800MHz/900MHz, 1.2GHz, 1.4GHz, 1.5GHz, 2.4GHz, 5.8GHz (6 bands)
	800MHz, 900MHz, 1.2GHz, 1.4GHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz (8 bands)
Jamming distance	≥2km (Depends on working conditions)
Battery life	≥24h
Operation temperature	(-40°C~+60°C) ±2°C
Alarm mode	Alarm with sound and indicator light
Usage	Fixed, handheld, etc.
Battery	Two built-in low temperature resistant lithium batteries
Weight	≤8.5 kg (Including the battery)
Size	776mm*105mm*304mm (L*W*H)

DR300

(6/8 frequency bands)
Handheld Jamming
Device

Product Introduction

This device is a jamming device with the best long-range jamming effect. It can achieve interference of remote control, image transmission and navigation signals of all kinds of small, low, and slow drones, forcing them to return or land.

Features

- 24/7 Continuous Operation
- Continuously Jamming
- 2km Long-distance Jamming
- 1+N Collaborative Linkage
- Super Interference to FPV Drones

Specification

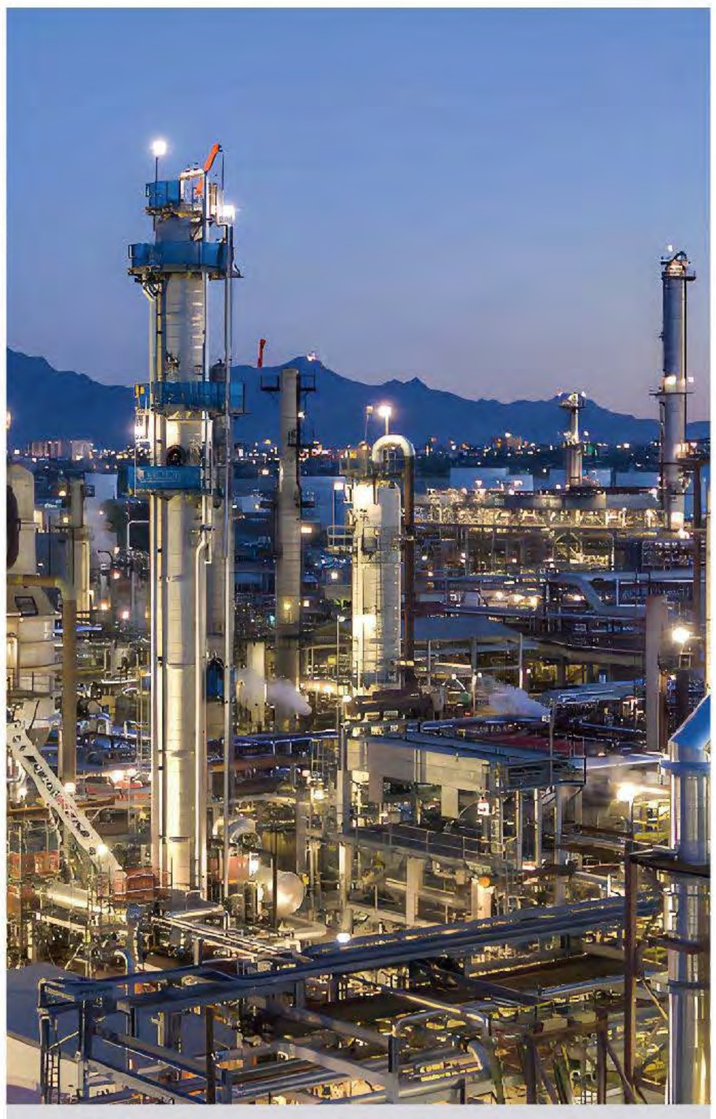
Jamming frequency band	800/900MHz, 1.2GHz, 1.4GHz, 1.5GHz, 2.4GHz, 5.8GHz（6 bands） 400MHz, 900MHz, 1.2GHz, 1.4GHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz（8 bands）
Jamming distance	≥2km (Depends on working conditions)
Battery life	≥24h
Operation temperature	(-40°C~+60°C) ±2°C
Battery	Two built-in low temperature resistant lithium batteries
Weight	≤7kg (Including the battery)
Size	776mm*105mm*304mm (L*W*H)

07

APPLICATIONS OF SCENARIO

Law Enforcement

Military



Petroleum and Petrochemical

Armed Police

Public Security (Immigration)

Nuclear Power