



Anti-drone Solutions Expert



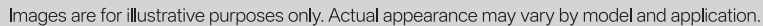
Make the Sky Safer

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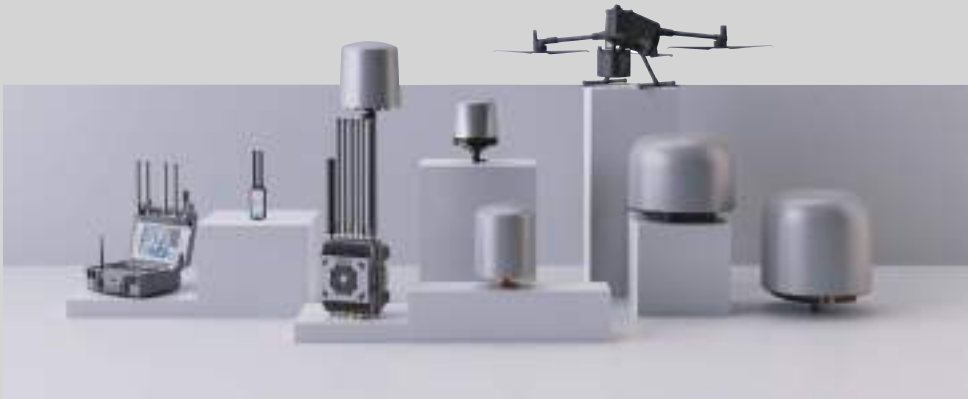
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Product Portfolio

Passive Detection System



Precise Jamming System



Detection and Defense System



Active Electro-optical Detection System



Images are for illustrative purposes only. Actual appearance may vary by model and application.

H3 Pro

Portable Drone Locator for Rapid Deployment



Key Advantages

Compact and portable, it enables operators to detect, identify, and locate drone signals in real time. Ideal for mobile operations, it delivers reliable situational awareness for patrol, perimeter security, and tactical response.

Key Specifications

Detection Bands	800/900MHz, 1.2GHz, 2.4GHz, 5.2GHz, 5.8GHz, Wi-Fi
Detection Distance	0~3km
Position Accuracy	≤ 3m (RMS)
Detection Capacity	≥ 15 drones (simultaneous)
Response Time	≤ 5s
Battery Capacity	12000mAh
Continuous Runtime	≥ 4 hours
Screen Size	6.0 inch
Operating Temperature	-25°C~+65°C

D5-B

TDOA + Drone Detection and Positioning System



Key Advantages

A fixed-site, network-enabled UAV detection and positioning system based on multi-sensor fusion and passive RF sensing, supporting AOA and TDOA integration and networking.

Key Features

- Passive Detection
- Scalable Detection Frequency Range
- Superior Computing Capability
- Blind Spot Coverage

Key Specifications

Detection Bands	30MHz~6GHz, 6GHz~8GHz customizable
Detection Distance	0~5km
Detection Coverage	360° full airspace
Operation Mode	Stationary Deployment, Single Station, or Multi-station networking

DF Max Series

Full-band Drone Detection and Direction Finding System



DF5 Max

DF10 Max

Key Advantages

DF Max Series is a fully integrated drone detection, direction finding, and identification system designed for complex electromagnetic environments. It supports full-band direction finding, and multi-target tracking and detection up to 8km.

Key Features

- No Electromagnetic Interference
- Full-band Direction Finding
- Compact Integrated System
- Commercial off-the-shelf Drones

Key Specifications

Detection Bands	100MHz~8GHz
Detection Distance	0~8km
Direction Finding Bands	100MHz~6GHz
Direction Finding Distance	0~5km
Direction Finding Accuracy	≤5° (RMS)

*DF10 MAX Features

DF Series

Multi-band Drone Detection and Direction Finding All-in-one System



Key Advantages

DF series combines passive detection, precise direction finding, and network-based positioning into a single integrated system, delivering covert, accurate, and scalable drone monitoring capabilities. With full-band coverage and advanced identification technology, it ensures reliable detection and classification of a wide range of drones, making it highly suitable for critical infrastructure and high-security scenarios.

Key Specifications

Detection Bands	30MHz~6GHz
Detection Distance	0~8km
Detection Coverage	360° full airspace
Direction Finding Bands	2.4GHz, 5.8GHz
Direction Finding Accuracy	3° (hovering), 10° (moving)
Power Supply	AC 110~240V



D5 - Air

Airborne Drone Detection System

Key Advantages

A UAV-mounted RF detection unit that extends surveillance into the air, enabling widearea coverage, precise localization, and real-time intelligence in complex environments.

Key Features

- 

Multiple Drones Compatibility
- 

Air-Ground Coordination
- 

Blind Spot Elimination
- 

Persistent Aerial Surveillance

Key Specifications

Detection Bands	400MHz~6GHz
Detection Distance	0~5km
Detection Range	Horizontal 360° , Vertical -90° ~-15°
Carried Drone Type	DJI M400, M350, etc. (UAV platform not included; configurable upon request.)



VM

Vehicle-Mounted Drone Detection & Jamming System

Key Advantages

This VM system provides mobile, real-time detection and jamming, creating a “moving protection bubble” while on the move. It delivers strong broadband suppression against commercial and DIY drones. Designed for harsh environments, it features IP66 protection and operates reliably from -40°C to +60°C.

Key Specifications

Detection Bands	30MHz~6GHz
Detection Distance	0~3km
Direction Finding Accuracy	(RMS) 3° (hovering); 10° (moving)
Jamming Bands (Customizable)	400MHz, 800MHz, 900MHz, 1.2GHz 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz
Jamming Distance	0~2km
Jamming Mode	Omidirectional
Dynamic Detection	0~80km/h (Vehicle speed)

HD5

Portable Drone Detection System



Key Advantages

This detection portable system features a 13.3-inch touchscreen for intuitive command and real-time situational awareness. Its replaceable battery design ensures continuous operation and the whole system also supports modular extension.

Key Specifications

Detection Bands	100MHz~6GHz
Detection Distance	0~5km (Depend on environment and drone types)
Protocol Cracking	CRPC, Drone ID, Remote ID
Detection Quantity	>20 Drones (Simultaneous)
Power Supply	Built-in lithium battery or AC110~240V
Continuous Runtime	6h~7h
Dimensions	470mmx357mmx176mm (Closed State)

HDJ 3.0

Upgraded Handheld Drone Detection and Jamming Device



Key Advantages

This upgraded device integrates detection and early warning, direction finding and positioning, jamming functions. It adopts dual GPS antenna direction-finding technology, 5.5-inch touchscreen, the dual-battery power supply design, ensuring stable product operation.

Key Specifications

Detection Bands	400MHz~6GHz
Detection Distance	0~3km
Direction Finding Accuracy	≤10° (RMS)
Jamming Bands	433MHz-5.8GHz (Customizable)
Jamming Distance	0~2km
Jamming Mode	Omidirectional
Power Supply	Two hot-swappable batteries (AC 110~240V, 50 /60Hz)
Continuous Runtime	≥3h (Support battery replacement without shutting down) ≤1h (Single or Multiple Band Jamming)

HJ1

Handheld Drone Jamming All-in-One System



Key Advantages

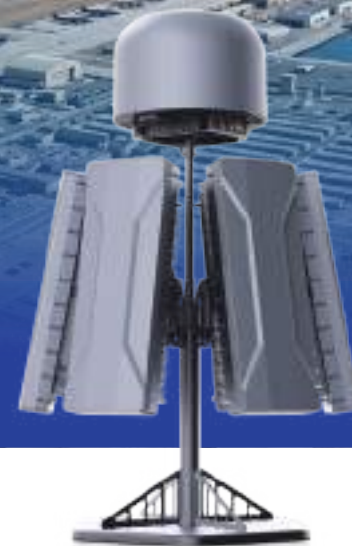
HJ1 is a portable all-in-one drone jamming system designed for fast and precise counter-UAS response. With multi-band coverage, directional jamming, and optional detection expansion, it provides flexible protection for a wide range of security scenarios.

Key Specifications

Jamming Principle	RF signal suppression jamming
Detection Distance	0~2km (Depending on the testing environments and the model of jamming target drone)
Jamming Bands	800MHz, 900MHz, 1.2GHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz
Jamming Bands	Horizontal $\pm 20^\circ$, Vertical $\pm 10^\circ$
Response Time	$\leq 5s$ (RMS)
Response Time	Lithium battery that can be replaced
Battery Specifications	Output: 29.4V, Capacity: 7Ah
Power Consumption	$\leq 500W$ (Full-band jamming)
Continuous Runtime	0.5h (Jamming)

DFJ53 Max

360° Airspace Defense System



Key Advantages

Uniting a six-sided high-gain shields array with adaptive beamforming, the system extends precise jamming capabilities, with a zero-blind-spot defensive perimeter. Integrated with other detection products, it delivers 24/7 autonomous suppression against diverse threats—from mainstream UAVs to elusive FPVs and custom DIY models.

Key Features

-  Full-band Detection and Direction Finding
-  Integrated "Detection and mitigation" Loop
-  360° Directional High-Power Jamming
-  Low-Visible & Modular Deployment

Key Specifications

Detection Bands	400MHz~6GHz
Detection Distance	0~5km
Jamming Type	Image Transmission, Data Transmission, etc. (Communication Link), GNSS Navigation Link
Jamming Distance	0~3km

DFJ Series

Stationary Drone Detection and Jamming All-in-one System



Key Advantages

DFJ series is an integrated detect-and-Jamming system and it can automatically detect, track, and neutralize drone threats, enabling fast response with reduced operator workload, supporting flexible configuration and networked deployment.

Key Specifications

Detection Bands	30MHz ~ 6GHz
Detection Distance	0~8km (DFJ83)
Jamming Bands	900MHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz (customizable)
Jamming Distance	0~3km
Direction Finding Accuracy	3° (hovering), 10° (moving)
Operating Mode	7×24 autonomous operation

Ruyi

Stationary Drone Precise Control System



Key Advantages

Ruyi, developed by LZ TECH, utilizes cutting-edge CRPC® 3.0 (Cognitive Radio Protocol Cracking) technology to reconstruct control-layer data streams, allowing precise drone control. In an era where drones are increasingly integrated into critical operations, security and control have become more important than ever. Our system is designed to demonstrate a new level of intelligent intervention, allowing authorized users to detect, intercept, and safely assume control of rogue or unidentified drones in real-time.

Key Features



One Click to Take Over the Control Rights



Reliable Defense Measures without Collateral Damage



Operator-Friendly Software Interface



Selective & Targeted Intervention

Real-time Monitor on CCS System





T100

Tracking and Pointing PTZ Camera System



Key Advantages

T100 enables precise visual identification and continuous tracking of targets by fusing radar and RF with dual-spectrum imaging. With integrated edge AI and automated tracking, it ensures accurate target confirmation and provides reliable guidance for jamming devices, forming a critical link between detection and intervention.

Key Specifications

Operation Mode	Combine with radar, RF detection system
Identification Distance	Daylight ≥ 2km, Night ≥1km (Target: DJI Mavic3)
Tracking Distance	Daylight ≥ 3km, Night ≥2km (Target: DJI Mavic3)
Camera Focal Length	6.1mm ~ 561mm
Resolution	2688 × 1520 (Optical)
Infrared Thermal	VOx Uncooled Infrared Detector
Identifying Target	Support differentiating drones and birds



TR100

Radar Detection and EO/IR Tracking All-in-one System



Key Advantages

TR100 is an integrated drone detection and tracking system that combines a visible-light camera, an infrared thermal imaging camera, a wide-angle camera, and a phased-array radar. Guided by radar detection, the EO/IR equipment can effectively track, identify, and issue early warnings for small and medium-sized drones. It can be integrated with RF detection and jamming equipment to form a comprehensive multi-source drone defense system, providing all-weather, round-the-clock integrated ground-to-air security protection for critical facilities.

Key Specifications

Operation Mode	Independent operation, combined with RF system
Radar Detection Distance	≥2km (Target: DJI Mavic 4, RCS=0.02m²)
Radar Detection Range	Azimuth ≥90°, Elevation ≥90°
Radar Detection Accuracy	≤2m
EO/IR Identification Distance	Daylight ≥2km, Night ≥1km (Target: DJI Mavic3)
EO/IR Tracking Distance	Daylight ≥3km, Night ≥2km (Target: DJI Mavic3)
Camera Focal Length	6.1mm ~ 561mm

VAR300

Active Electro-optical Detection System



Key Advantages

A fixed EO/IR surveillance system designed for low-altitude drone detection and tracking, it integrates visible and thermal imaging with AI-based recognition to ensure reliable day-and-night target identification. The system supports automatic tracking and trajectory recording, providing clear evidence for analysis and response.

Key Specifications

Detection Distance (Target: DJI Mavic3)	Daylight: Detection $\geq 1\text{km}$, Tracking $> 1.5\text{km}$ Night: Detection $\geq 0.5\text{km}$, Tracking $\geq 0.8\text{km}$
Working Hours	24-hour continuous operation
Resolution	1920 x 1080 (Optical)
Infrared Thermal Imaging	Detection Type: VOx uncooled focal plane arrays Resolution: 640x512dpi
Detection Mode	Active scanning, searching, identifying, and tracking (without the guidance of other devices)
Detection Function	It detects and shows the captured images of the drone, target similarity, direction, and other information

Drone Detection and Identification Module Family



D Pro-MA



DF Pro-MB



DF Pro-MB

Key Advantages

The Module consists of a radio frequency (RF) unit and a computing unit. Utilizing state-of-the-art CRPC® technology, it can detect and identify market drone models (e.g., DJI and AUTEL) and DIY drones. Its compact size and seamless integration make it a highly versatile solution that can be easily deployed within clients' own system. All necessary accessories will be provided to ensure a complete solution.

Key Features

-  70MHz~6GHz Full Band Detection
-  High Speed Computing Capability
-  Seamless System Integration
-  Accurate Identification and Multi-dimensional Information
-  Built-in Software, API Interface
-  Extensive Drone Models Library Covering Market and DIY Models

Matching RF accessories



Integrated RF Switch for Wideband Antenna



Splitter RF Switch for Narrowband Antenna

CCS and CRPCS



Unified Command Interface



Dynamic Target Tracking



Smart Alarm & Response



Mission Replay & Data Logging



Cloud + Local Deployment



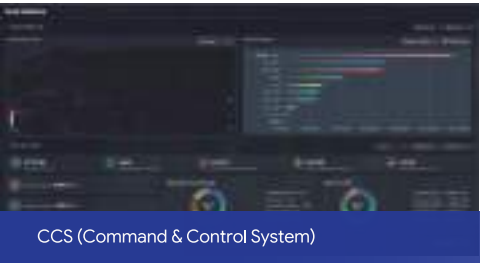
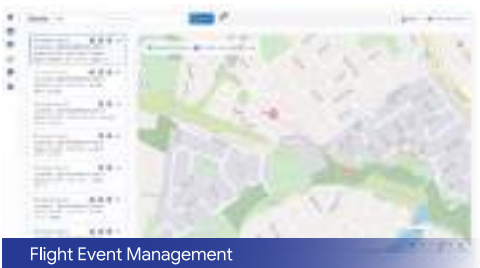
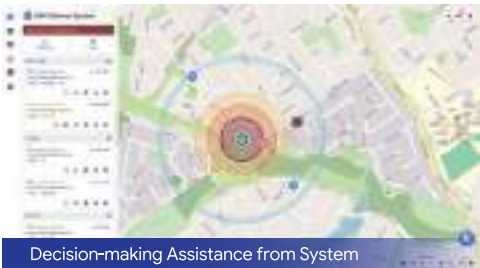
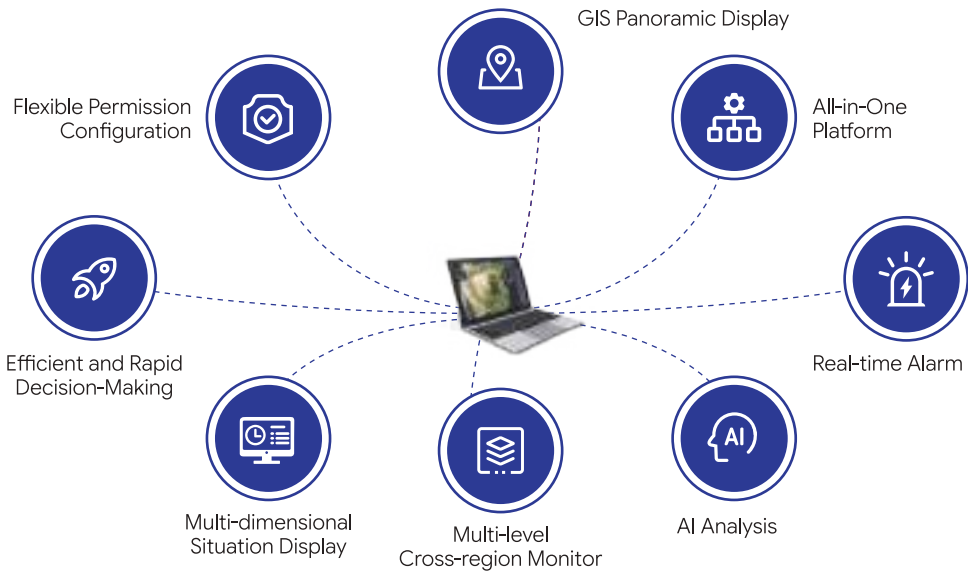
Integrated Device Management



LZ TECH delivers a comprehensive software ecosystem designed to support intelligent drone defense operations and low-altitude security management.

Our software portfolio includes the Command & Control System (CCS) and CRPCS (Web UI), enabling centralized management, protocol level analysis, and real-time situational awareness across distributed deployments.

Together, these platforms provide unified monitoring, device coordination, data visualization, and operational control, allowing users to efficiently manage complex low-altitude security scenarios through intuitive, secure, and scalable digital interfaces.



Multi-tech Fusion Drone Detection Solution

Integrated Solution



Modular Solution



Key Advantages

The Multi-Technology Fusion Drone Detection System combines radar, EO/IR, and RF systems to provide real-time detection and identification of low-altitude targets.

Key Features



Data Fusion Software
API Interface



Active EO/IR Searching
and Tracking



Flexible and Multiple
Deployment Methods



Seamless Integration with
Jamming System



Up to 10km RF
Detection Range



Networking and
Data Sharing

Real-time Monitor on CCS System



Multi-source Data
Information Presentation



Multi-device Operation Status
in Coordination



Multi-layer Information about
Target Drones

Vehicle-Mounted Solution

Multi-Technology Fusion Drone Detection System



Key Features



Data Fusion



Location Function



Detection & Tracking



Market & DIY Drones



Multi-dimensional



Flexible Transition



Seamless Integration



Networking Data Sharing

Solution Profile

The Multi-Technology Fusion Drone Detection System integrates radar, electro-optical, and RF capabilities to deliver a comprehensive, layered solution for low-altitude airspace surveillance. Mounted on a high-speed vehicle, the system ensures high mobility and rapid deployment, making it highly effective in low-altitude defense in many scenarios.

Real-time Monitor on CCS System

Specially refitted operation vehicles are equipped with an in-cabin large-screen command & control system to deliver real-time panoramic airspace surveillance. The system merges multi-source heterogeneous data onto a unified interface, visualizing equipment status and aerial targets. Operators can quickly spot rogue drones, boost response efficiency and secure low-altitude airspace of protected zones.



Multi-source Data Information Presentation



Multi-source Devices Operate in Coordination



Multi-source Information to Identify Target Drone

Selected Cases

