



2026

Counter-UAS

AE DEFENSE

Exhibit Portfolio

AERO EDGE SECURITY SYSTEMS PTE. LTD.

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DA-T1

LSS Drone Detection Radar

The Low, Small, and Slow (LSS) Target Detection Radar can precisely detect a target's position and can be integrated with an optoelectronic system. It is also can be interfaced with jamming systems, laser weapons, and navigation spoofing devices.



Product Advantages



Lightweight and easy to deploy



Dedicated software optimization for Drone detection

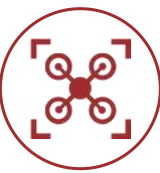


Capable of continuous, stable detection working



Capable of strong clutter suppression with low false alarm rates

Main Functions



UAV Detection

Application Scenario

- Transportation Hubs
- Critical Facilities
- Military Area

Main Parameters

Radar band	X-band (9 GHz ~ 10.2 GHz)
Detection Range	≥5 km (typical target: DJI Phantom 4)
False alarm rate	10-6, detection probability 90%
Target detection accuracy (RMS)	azimuth ≤ 0.6°, pitch ≤ 0.6°, distance ≤ 10 m
Close-range blind spot	≤ 150 m
Target capacity	≥ 200
Coverage range azimuth	0° ~ 360°, pitch 0° ~ 30°

DE-F1

Multi-Spectral Electro-Optical Detection Device

The Electro-Optical Detection Device identifies, detects, and tracks drone targets by acquiring high-definition visible light and infrared images, which allows it to determine the target's azimuth, elevation, and range



Product Advantages



Multispectral Imaging



Advanced Image Processing Technology



Smart Recognition and Tracking



48x Optical Zoom and Autofocus



Enhanced Anti-Fog Capability

Main Functions



Multispectral Imaging and Infrared Thermal Imaging



Automatic Recognition and Tracking



Radar System Integration

Application Scenario

- Transportation Hubs
- Critical Facilities
- Military Area

Main Parameters

Visible light detection

Video image resolution 1920*1080, lens magnification 45X / 48X

Detection distance 1~3Km (typical target: DJI Phantom 4)

Thermal imaging detection

Video image resolution 640*512

Detection distance 0.7~1.5Km (typical target: DJI Phantom 4)

PTZ

Horizontal direction 0~360 degrees, unlimited

Vertical direction -90~+90 degrees

Accuracy 0.5 degrees

DR-H1

Handheld Detection Device

Handheld Detection Device detects DJI, Autel and other rotor drones which using OFDM HD video transmission, along with various DIY FPV drones employing analog video signals. Featuring dual antennas and multi-channel simultaneous scanning, it delivers rapid detection, high sensitivity, low false alarm rates and user-friendly operation.



Product Advantages

-  FPV Detection
-  Voice & Light alarming
-  Extended operating time
-  Battery change module

Main Functions

-  FPV Detection
-  Voice & Light alarming

Application Scenario

- Outdoor Event Security

Main Parameters

Frequency Detection Range	300 MHz - 6200 MHz
Identification type	OFDM high-definition image transmission signal, FPV FM analog image transmission
Detection Range	≥ 1000 m
Alarm mode	headphones, sound and light
Battery Life	6 h (8000 m Ah)
Weight	500 g

DR-F1

Fixed Full-Spectrum Detection Device

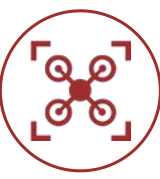
Fixed Full-Spectrum Detection Device supports full-band drone detection across 300MHz–6GHz, capable of identifying both conventional drones (including consumer-grade drones, FPV racing drones, etc.) and drones operating on non-standard frequencies.



Product Advantages

-  Full Frequency Range
-  FPV Detection
-  Network Platform Connectivity

Main Functions

-  Frequency Detection
-  FPV Detection
-  DJI & Remote ID support

Application Scenario

- Stadiums & Arenas
- Outdoor Event Security
- Transportation Hubs
- Critical Facilities
- Military Area

Main Parameters

Frequency Detection Range	300 MHz - 6000 MHz
Detection Range	3 km - 5 km
Ingress Protection	IP65

DR-T1

Fixed Spectrum Detection Device

Employing passive radio detection and software-defined radio (SDR) technology, the system delivers 360° omnidirectional detection coverage. Standard configurations support 2.4GHz, 5.8GHz, 800MHz, and 900MHz bands, with optional 433MHz, 1.4GHz, and 5.2GHz bands. Capabilities include single-unit positioning, early warning, whitelist/blacklist management, and ID identification, while supporting intelligent functions such as detection result visualization, spectrum analysis, and data capture.



Product Advantages



Long-Range Detection



SDR Analysis



Mobile Message Support



Pilot Location



Network Platform Connectivity

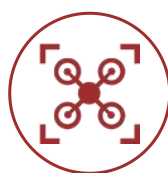
Main Functions



Frequency Detection(SDR)



Drone Location



Drone ID& Remote ID Detection



Pilot Location

Application Scenario

- Stadiums & Arenas
 - Outdoor Event Security
 - Transportation Hubs
- Critical Facilities
 - Military Area

Main Parameters

Frequency Detection Range	70 MHz ~ 6000 MHz
Detection Range	5 - 10 km
System Response time	≤ 10 s
Direction finding accuracy	≤ ± 9°

J-B1

Backpack Drone Jammer

Backpack Jamming Device designed for long-term use in outdoor environments with a built-in battery. It is also equipped with two antenna modes—an external omnidirectional antenna and a handheld directional antenna—to meet a variety of operational needs.



Product Advantages



Backpack design



Built-in battery



Screen-based operation



Two antenna modes

Main Functions



8 channel jamming

Application Scenario

- Stadiums & Arenas
- Outdoor event security

Main Parameters

Effective Range

1 ~ 3 km (typical target: DJI air 3)

Jamming Frequency

428-438 / 860-930 / 1160-1280 / 1400-1450 / 1550-1620 / 2400-2500 / 5150-5350 / 5725-5850MHz

Weight

25 kg

Waterproof

IP65

J-F2

Base Station Omnidirectional Drone Jammer

Fixed Full-Spectrum Detection Device supports customizable frequency bands and power.
Using an advanced jamming algorithm, it ensures the stability and high efficiency of the jamming effect.



Product Advantages

-  Omnidirectional jamming
-  Customizable frequency bands
-  Network Platform Connectivity

Main Functions

-  Omnidirectional jamming
-  Customizable frequency bands

Application Scenario

- Stadiums & Arenas
- Outdoor Event Security
- Transportation Hubs
- Critical Facilities
- Military Area

Main Parameters

Frequency Band	300 MHz - 6 GHz
Effective Range	2 km
Defense angle	360°
Response time	3 s

J-F3

Full-Band Jammer

Effectively defends against standard and non-standard frequency band UAV intrusions. Utilizes advanced digital SDR technology for UAV interception, easy to operate and maintain, suitable for long-term deployment. Complies with regulations, providing reliable UAV control.



Product Advantages



Software defined Jamming frequency range



Multi-system linkage



Full-spectrum coverage

Main Functions



Intelligent self-diagnosis



Flexible power adjustment

Application Scenario

- Critical infrastructure protection
- Large-scale event security
- Border and area control
- Military defense
- Counter-terrorism and VIP protection

Main Parameters

Jamming Frequency

300 MHz - 6 GHz

Effect Time

≤ 3 seconds

Jamming Distance

3 km

J-P1

Shield-Type Directional Jamming System

This product features a portable design for rapid drone countermeasures. It is ideal for drone management in scenarios like large venues and outdoor event security.



Product Advantages

-  High Strike Effectiveness
-  Customizable frequency bands
-  High Mobility

Main Functions

-  Multi-band jamming

Application Scenario

- Stadiums & Arenas
- Outdoor Event Security

Main Parameters

Frequency band	900M / 1.2G / 1.4G / 1.5G / 2.4G / 5.2G / 5.8G
Effective Range	1-2km
Battery life	2 hours working
Weight	6.2kg

S-T1

Fixed-Site Omnidirectional Navigation Spoofing System

The omnidirectional navigation spoofing system features a multi-element array design, allowing it to simultaneously expel multiple drones invading from different directions.



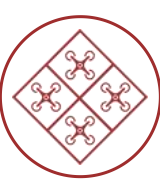
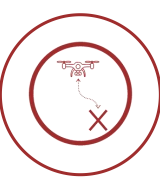
Application Scenario

- Transportation Hubs
- Critical Facilities
- Military Area

Product Advantages

-  Covers all common navigation frequencies
-  Multi-array antenna top defense
-  24-hour autonomous operation
-  Features multi-device network management
-  Allows for integration with spectrum detection, jammer, and radar systems

Main Functions

-  Drone swarm defense (collective crash)
-  Unattended Operation
-  Navigation Spoofing
-  Multiple Devices Compatibility

Main Parameters

Satellite Navigation Signal Coverage	GPS / GLONASS / GALILEO / BDS (21 points total)
Effective range	2 km - 20 km
Response time	≤ 10 s
Simultaneous Countermeasure Capability	≥ 200
Defense angle	All directions

S-T102

Fixed Navigation Spoofing Device

The Fixed Navigation Spoofing Device covers all common GNSS frequency points and can achieve forced landing, directional departure, heading guidance, and no-fly control of UAV targets.



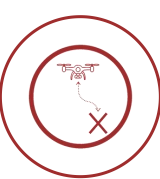
Application Scenario

- Transportation Hubs
- Critical Facilities
- Military Area

Product Advantages

-  Covers all common navigation frequencies
-  Navigation spoofing for precision control
-  24-Hour autonomous operation
-  Multiple devices linked
-  Supports device self-check and status reporting

Main Functions

-  Navigation spoofing
-  Unattended operation
-  Network platform connectivity
-  Multi-device compatibility

Main Parameters

Satellite Navigation Signal Coverage	GPS / GLONASS / GALILEO / BDS/QZSS / IRNSS(21 points in total)
Spoofing Distance	2 km - 10 km
Response Time	10 s
Simultaneous Countermeasure Capability	≥ 200

S-D1D

Mobile Detection-Spoofing System

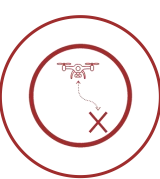
Mobile Detection-Spoofing System integrates RF detection and Navigation Spoofing , With simple operation and a one-touch on/off switch, this device is highly mobile. It enables you to create a protective zone instantly.



Product Advantages

-  Mobile Deployment
-  Convenient Operation
-  Network Management Platform Connectivity

Main Functions

-  Navigation Spoofing
-  One-Click Defense
-  Network Management Platform Connectivity

Application Scenario

- Stadiums & Arenas
- Outdoor Event Security

Main Parameters

Satellite Navigation Signal Coverage	GPS / GLONASS / GALILEO / BDS / QZSS
Defense Range	≥ 2 km
Spoofing response time	< 10 s
Simultaneous Countermeasure Capability	≥ 200

S-F1

Base-Station Omnidirectional GNSS Spoofing System

Transmits GNSS spoofing signals to deceive UAV position, velocity, and timing. Supports adaptive parameter control, compatible with various navigation systems, and enables dynamic coordinate adjustment for landing guidance. Reliable and easy to operate.



Application Scenario

- Critical Infrastructure Protection
- Military & Sensitive Zones
- Large-Scale Event Security
- Airports & Borders

Product Advantages

-  Precise Position/Velocity/Time Spoofing
-  Flexible Parameter Adjustment for Diverse UAVs
-  High Reliability & Stability
-  Intuitive GUI for Easy Operation
-  Seamless Integration with Detection Systems

Main Functions

-  UAV Deception Modes: Forced Landing, Directional Deviation, No-Fly Zone, Jamming
-  Networked & Hierarchical Management
-  Open Protocol & API for Integration

Main Parameters

Supported GNSS Spoofing	GPS / BDS / GLONASS / Galileo / QZSS / IRNSS
Effective Spoofing Range	5 km
Spoofing Response Time	≤ 10 s
Effective Spoofing Angle	H:360°, V:0-90°
Simultaneous Countermeasure Capacity	Power-on Boot Time
Power-on Boot Time	≤ 10 s
Cold Start Availability	≤ 60 s

X1-T1

All-Band Adaptive Detection and Countermeasure System

Effectively defends against standard and non-standard frequency band UAV intrusions. Utilizes advanced digital SDR technology for UAV interception, easy to operate and maintain, suitable for long-term deployment. Complies with regulations, providing reliable UAV control.



Product Advantages



Wideband Frequency Range



Automatically detects, collects, and analyzes the spectral characteristics of drones



Autonomously selects the optimal jamming strategy

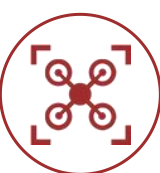


Supports fixed-site and vehicle-mounted deployment

Main Functions



Ultra-wide frequency range



Automatically analyzes the spectral characteristics of drones



Adaptive jamming frequency bands

Application Scenario

- Oil & Gas Infrastructure
- Outdoor Event Security
- Stadiums & Arenas
- Military Area

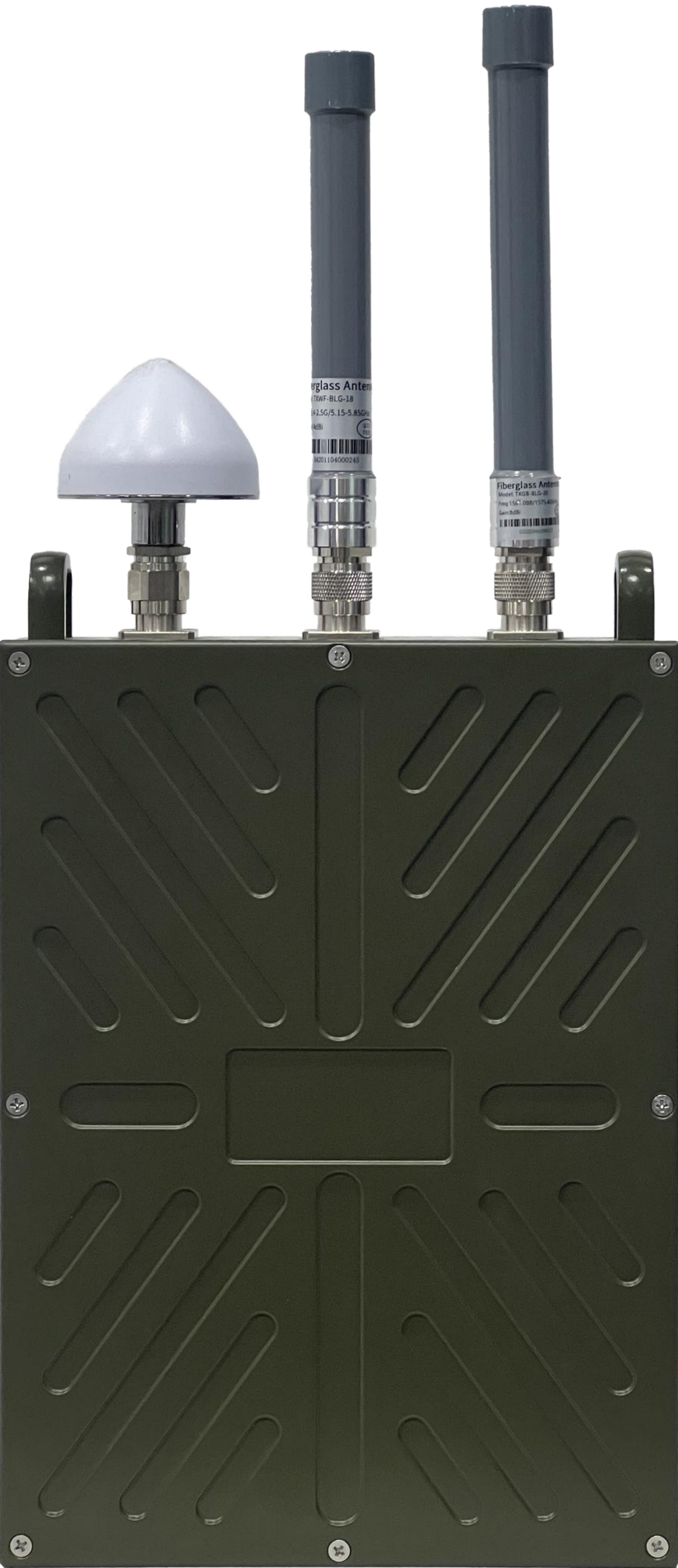
Main Parameters

Jamming Frequency Range	300 MHz to 6 GHz
Instantaneous Bandwidth	200 MHz (single channel); a maximum instantaneous
Satellite Navigation Signal Coverage	GPS, GLONASS, Galileo, BDS, IRNSS (India), and QZSS (Japan)

X2-B1

Backpack Detection-Spoofing Device

Based on a man-portable deployment scenario, this integrated system combines RF detection and GNSS spoofing capabilities. This device features lightweight, easy portability, simple operation, and long endurance. It is specifically designed and developed for combat units and special forces support scenarios.



Product Advantages

-  Portable design
-  Lightweight
-  Easy to operate
-  Long battery life

Main Functions

-  Navigation spoofing
-  One-click defense
-  Location spoofing feature prevents drones from transmitting coordinates during reconnaissance

Application Scenario

- Squad reconnaissance
- Special mission support

Main Parameters

Satellite Navigation Signal Coverage	GPS / BDS / GLONASS / GALILEO
Spoofing Distance	≥ 2 km
Spoofing Response Time	< 10 s
Endurance	6 hours working, 12 hours standby
Dimensions	300mm * 220mm * 80 mm
Weight	≤ 4.5 kg
Detection Frequency	2.4 G / 5.8 G
Detection Distance	≥ 1 km

X3-F1D

Fixed Navigation Spoofing Device

Fixed Navigation Spoofing Device covers all common frequencies(Satellite Navigation Signal of GPS, GLONASS, GALILEO, and BDS);
Achieve forced landing, directional departure, heading guidance, and no fly control of unmanned aerial vehicle targets.



Product Advantages

-  Covers all common navigation frequencies
-  24-hour autonomous operation
-  Multiple devices Compatibility
-  Supports integration with other systems

Main Functions

-  Targeted strike
-  Multi-unit collaboration
-  Drone Swarm defense

Application Scenario

- Squad reconnaissance
- Special mission support

Main Parameters

Satellite Navigation Signal Coverage	GPS / GLONASS / GALILEO / BDS / QZSS / IRNSS (21 point total)
Effective range	2 - 5 km
Response time	10 s
Simultaneous Countermeasure Capability	≥ 200

X3-T1

Full-Band Jamming and GNSS Spoofing Integrated System

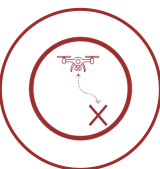
X3-T1 is an all-in-one system for full-band UAV jamming and full-spectrum GNSS spoofing. It effectively counters UAV threats by integrating advanced digital SDR technology with GNSS spoofing, ensuring robust and reliable counter-UAV performance.



Application Scenario

- Critical infrastructure protection
- Large-scale event security
- Border and area control
- Military defense
- Counter-terrorism and VIP protection

Product Advantages

-  Integrated Jamming & Spoofing
-  Full-band (300–6000 MHz) & Multi-Constellation GNSS Coverage
-  Multi-mode GNSS Spoofing Capability
-  High Reliability & Excellent Interoperability

Main Functions

-  Full-band, Multi-channel RF Jamming
-  Full-spectrum GNSS Navigation Spoofing
-  Flexible Power & Range Adjustment
-  Built-in Self-diagnostic Function

Main Parameters

Frequency Coverage	300 MHz–6 GHz
GNSS Support	GPS / BeiDou / GLONASS / Galileo / QZSS / NavIC
Jamming Channels	4
Jamming Distance	3 km
Jamming Time-to-Effect	≤ 3 s
Ingress Protection	IP65



DETECTION • JAMMING • SPOOFING

AUTONOMOUS COUNTER-UAS SOLUTIONS

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