INTELLIGENT C-UAS SOLUTIONS

Products&Solutions

INNOVATION FOR A SAFER WORLD

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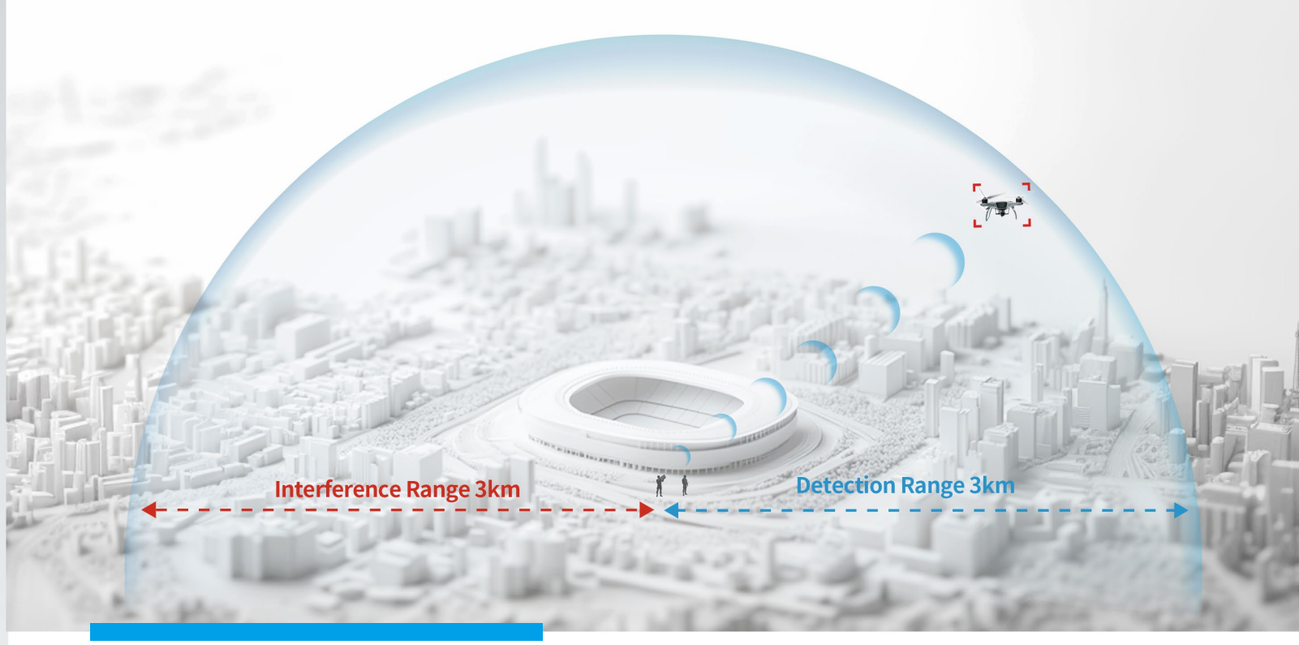
SKYFEND

SOLUTION

PORTABLE Event Security



INTRODUCTION

To meet the confidentiality requirements of special events, Skyfend offers a portable solution of drone pilot positioning device, which effectively prevents "rogue" drones with effective jamming. This solution is recommended to be jointly operated by one detector and one jammer operator.

- Detection operators can use radio frequency detection devices to accurately locate drones and their pilots, thus solving the problem of "rogue" drones at its root.
- The countermeasure operator uses an integrated reconnaissance and strike countermeasure device to achieve a closed-loop process of independent detection and strike.

SPECIFICATIONS

- **Detection:** 3km protocol analysis + 2.5km spectrum detection (based on DJI Mavic 3 SRRC mode, signal power of about 20dBm at 2.4GHz, and about 30dBm at 5.8GHz, without strong signal interference under sighting conditions)
- **Interference:** 3km (Customizable full-band coverage. The interfering models include DJI, Autel, Parrot, FIMI, etc.)

ADVANTAGES OF SOLUTIONS

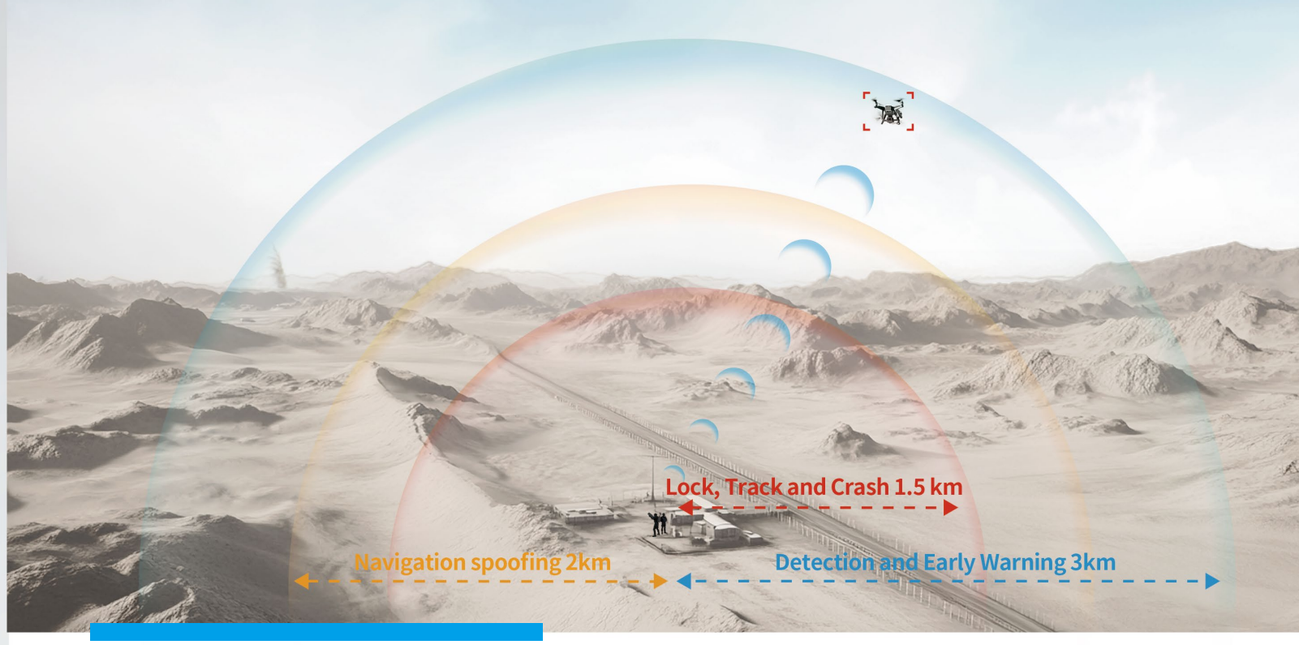
Precise Positioning of Drones and Pilots

Blacklist and Whitelist Management Accurate Early Warning

Combining intelligent interference strategies with directional interference to minimize the impact on other wireless devices in the surrounding area

SOLUTION

PORTABLE Border Defense



INTRODUCTION

The portable border control solution is specifically designed for C-UAS scenarios which demand high maneuverability, aiming to assist the border defense teams in efficient interference and jamming against done threats in complicated environment. In response to the challenges of threats that are difficult to detect, locate, and interfere with, this solution ensures rapid response at critical moments through the collaborative cooperation of detectors and jammer operators, providing real-time protection and the ability to effectively interfere beyond line of sight, enhancing protection range and flexibility.

- **Detector:** radio detection equipment is used, and detectors can provide timely early warnings against drone threats. Accurate positioning is achieved through rotating radar, which can clearly identify the direction of the target's approach, thereby providing effective guidance for jammer operators.
- **Jammer operators:** with the help of navigation spoofing technology, they can effectively respond to drones equipped with GNSS. In addition, combined with the integrable function of SPS100 and SSH100, and guided by radar, it can achieve precise interference to the target drone, causing it to destabilize and fall.

SPECIFICATIONS

- **Radio detection:** 3km (based on DJI Mavic 3 SRRC mode, signal power of about 20dBm at 2.4GHz, and about 30dBm at 5.8GHz, without strong signal interference under sighting conditions)
- **Radar:** FPV 7 inches: 800 m; DJI Mavic 3: 1100m; DJI FC30: 2500m
- **Navigation spoofing:** 2km (with DJI Mavic 3 as typical model)
- **Radio Frequency Jamming:** 1.5km (SRRC mode based on DJI Mavic 3, typical model with a signal power of about 20dBm at 2.4GHz and about 30dBm at 5.8GHz, and the distance between the drone pilot and the jamming device is 3km)

ADVANTAGES OF SOLUTIONS

Accurate positioning of intruding drones

Wearable compact design

Networking for multiple devices

Expand the Protection Range of Interference Capability beyond the Effective Line of Sight

SOLUTION

FIXED Energy Facility Protection

INTRODUCTION

Through the fusion of multiple sensors such as radar, radio detection equipment, and optical cameras, the energy facility protection solution of SkyFend can achieve real-time detection, tracking, and identification warning of low-altitude drones in the protected area, ensuring accurate detection with a low false alarm rate or even without any false alarm. With the guidance of the detection equipment, the interference equipment can offer more accurate interference and jamming against drone intrusions without affecting the operating drones at the energy station. Ultimately, it can achieve timely detection and interference against drone intrusions while ensuring the normal operation of energy facilities.

SPECIFICATIONS

- **Radio detection:** 5km (based on DJI Mavic 3 SRRC mode, signal power of about 20dBm at 2.4GHz, and about 30dBm at 5.8GHz, without strong signal interference under sighting conditions)
- **Visual and radar detection:** 7-inch FPV: 3.5km; Mini and Micro Drones (DJI Mavic 3): 5km; Small and Medium-sized Drones (DJI M300): 7km
- **Protocol analysis:** 3km (based on DJI Mavic 3 SRRC mode, signal power of about 20dBm at 2.4GHz, and about 30dBm at 5.8GHz, without strong signal interference under sighting conditions)
- **Radio frequency jamming:** 3km (SRRC mode based on DJI Mavic 3, typical model with a signal power of about 20dBm at 2.4GHz and about 30dBm at 5.8GHz, and the distance between the drone pilot and the jamming device is 6km)
- **Navigation spoofing:** 5km

ADVANTAGES OF SOLUTIONS

Precise situational awareness

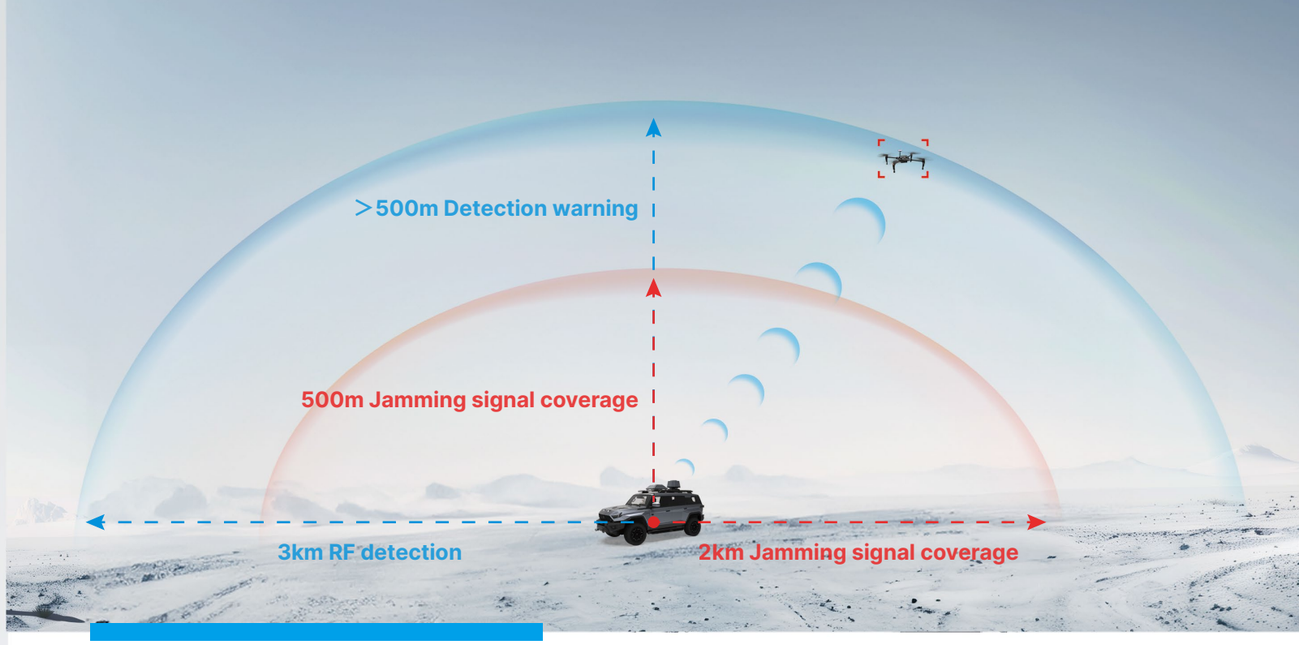
24/7 unmanned surveillance and protection

Visualized detection and precise decision-making with replay capability

Combining intelligent interference strategies with directional interference. Minimum impact on other wireless devices in the surrounding area.

SOLUTION

VEHICLE-MOUNTED C-UAV SYSTEM



INTRODUCTION

The Skyfend vechile-mounted C-UAV system consists of Tracer V radio detector and Hunter V jammer, forming a semi spherical protection without blind spots. The system is capable of detecting and locating cooperative drones and their pilots, as well as providing detection and early warning for non-cooperative drones. With its highly efficient detection and countermeasure capabilities, the system can automatically counteract target frequency bands based on detection guidance, ensuring effective drone defense.

SPECIFICATIONS

- **Efficient Protection:** Detection range >3km, jamming signal coverage >2km;intelligent detection and precise countermeasure against FPV drones.
- **Comprehensive Defense:** Hemispherical detection and countermeasure coverage with 360° horizontal and 90° vertical protection.
- **Flexible Configuration:** Supports software-defined detection and countermeasure frequency bands, with the capability to expand an additional four countermeasure frequency bands.

ADVANTAGES OF SOLUTIONS

Efficient Protection

Comprehensive Defense

Flexible Configuration

PRODUCT SERIES

SkyShield Nexus

Skyshield Nexus is an AI-powered integrated air-ground command and control hub that combines detection and early warning, intelligent decision-making, and coordinated interception.

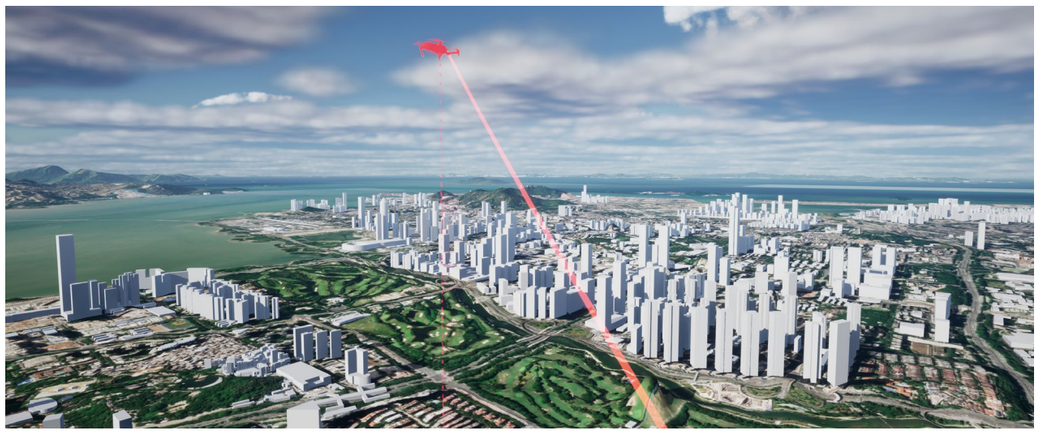
Driven by AI-based multi-source data fusion, it supports connections to thousands of devices with second-level response times. The system enables multi-layered defense capabilities including electronic jamming, spoofing, laser interception, and drone countermeasures.

It features event traceability and compliant evidence collection, and is compatible with both Skyfend and third-party anti-drone devices. With web access and multi-terminal collaboration, it supports deployment via private servers or the cloud.

Designed for large-scale airspace defense, Skyshield Nexus delivers a unified, intelligent solution for multi-domain management.

Features

- Integrated Coordinated Dispatch
- Intelligent Decision & Response
- Comprehensive Situational Awareness
- End-to-End Closed-Loop Management



SkyShield Edge

Skyshield Edge is a high-security, multi-platform anti-drone device control system designed for seamless coordination with Skyfend systems. It offers real-time situational awareness and in-depth data analysis, supporting device connectivity via LAN and serial ports.

Features

- Intelligent Device Operations & Maintenance
- Panoramic Situational Awareness
- Multidimensional Data Analysis
- End-to-End Data Management

PAD Terminal: Optimized for mobile and portable operations, it's lightweight, durable, and built to perform reliably in harsh environmental conditions.

Dimension	L*W*H	326.5 * 228.5 * 44.5mm	**Weight**	About 2kg

PC Terminal: Tailored for fixed-site monitoring, it supports 24/7 unattended operation for continuous protection.

SkyfendHunter Lite

SPS100/SPS110

Hunter Lite is a portable jammer against SUAVs. With the key functions for drone flight control and navigation frequency band jamming, it can repel drones or force them to crash to solve the threat of rogue SUAVs.

Features

- Covering mainstream drone models, efficient jamming
- Integrable with Spoofer
- Flexible and Portable, ready for deployment anytime

Jamming

Total jamming output	100W
Coverage angle	Horizontal ±15°, and vertical ±10°
Jamming frequency band	868MHz / 915MHz / 1.2GHz / 1.4GHz / 1.6GHz / 2.4GHz / 4.950GHz / 5.2GHz / 5.35GHz / 5.6GHz / 5.8GHz

Operating temperature	-20 ~ +55°C
IP rating	IP65
Storage temperature	-20 ~ +60°C

Dimension	795*100*304mm
Bare weight	4kg
Jamming duration	30min

SkyfendHunter

SHH100

Hunter is a versatile handheld drone jammer that can effectively detect, identify, locate, and mitigate drone threats. Hunter delivers exceptional effectiveness against the majority of types and models of drones. It can simultaneously disrupt the flight control and navigation signals of multiple drones.

With its compact design and user-friendly interface, Hunter is the ultimate counter-drone solution for various scenarios, including event security, VIP protection and energy facility security.

Features

- Integrated Detection and Jamming, 3 km Jamming, 2.5 km Detection
- Frequency Band Adaptive
- Drone data base upgradable, Sustainable Upgrades
- Touch Screen Operation, Data Visible

Detection frequency band	0.4~6GHz / Key detection frequency bands: 800MHz, 900MHz, 1.2GHz, 2.4GHz, and 5.8GHz
Detectable brands	Image transmission: Rush, PandaRC, TBS, Iflight and AKK, etc. / Remote control: ELRS and TBS Crossfire
Detection Range	2.5km (based on DJI Mavic 3 drone consistent with SRRC standard, with 20dBm signal power at 2.4GHz and 30dBm signal power at 5.8GHz, without strong signal interference under sighting conditions)
Jamming frequency band	0.4~6GHz
Jamming power at each frequency band	0.4~2GHz: 20w / 2~4GHz: 20w / 4~6GHz: 40w
Jamming-to-control ratio	Commercial drone: DJI Mavic 3 (0.5w) 1:1

Dimensions (L*W*D)	778*337*113mm
Weight	6.5kg (with battery)
Power supply mode	Battery / adapter
Operation time	Detection: 8h / jamming: 1h
Operating temperature	-20 ~ +55°C
Storage temperature	-20 ~ +60°C

SkyfendHunter F

SFL100

Hunter F is a fixed drone countermeasure device integrating reconnaissance and attack, which can detect and receive drone communication signals and identify drone models. By monitoring the broadcast information of drones, the Hunter F can obtain the real-time key information, including latitude and longitude, altitude, speed, yaw angle, model, SN, and pilot position, and develop the precise radio attack strategies for different drone models.

Users can quickly view the device detection information, configure parameters and historical detection data through the C2 system. The device also supports blacklist and whitelist functions, providing users with flexible security management solutions.

Through careful design, Hunter F can run stably in various outdoor environments for a long time to ensure the continuous and reliable protection capabilities.

Features

- Full-Spectrum Detection and Jamming
- Real-Time Feedback on Jamming Effectiveness
- Whitelist/Blacklist Management
- 24/7 Intelligent Autonomous Operation

Spectrum detection

Frequency band	0.4~6 GHz
Detection radius	5km (based on DJI Mavic 3 drone consistent with SRRC standard, 2.4GHz signal power of 20dBm, 5.8GHz signal power of 30dBm, under sighting conditions, without strong signal interference)
Display information	Spectrum, communication protocol (type), current working frequency band and other information.

Protocol analysis

Content	Drone ID & Remote ID
Detection radius	3km
Display information	SN, coordinates, altitude, yaw angle, speed, remote controller coordinates (or return point) and other information.

Radio interference

Frequency band	0.4~6GHz (software-defined frequency band)
Countermeasure radius	3km
IP rating	IP67
Operating temperature	-40 ~ +60°C

Hardware

Main Device Dimensions	508*261.5*450.5mm (L×W×H)
Main Device Weight	10.2kg
Pan-Tilt Platform Dimensions	265*180*315mm (L×W×H)
Pan-Tilt Platform Weight	12.5kg
Tripod's minimum working height / corresponding support radius	730mm/640mm
Tripod's maximum working height / corresponding support radius	1546mm/720mm
Tripod Weight	6.55kg

SkyfendHunter V

SVH100

The onboard FPV countermeasure device interrupts the reception of remote control signals of drone by the generation of high-power interference signals, forming a protective shield against FPV threats. This device uses software-defined radio technology to adapt to different wireless communication protocols and frequency bands through flexible software configuration. Compared with traditional analog countermeasures, it significantly improves interference effectiveness and sustainable countermeasure capability.

Features

- Efficient countermeasures, excellent protection
- No blind angle coverage
- Diversified scenario deployment
- Flexible software configuration and strong hardware scalability

Effective protection radius	2km
Jamming-to-control ratio	TBS Crossfire (2W) 1:1; ELRS (1W) 1:3
Effective protection height	＞500m
Coverage angle	Horizontal 360°; Vertical 90°
Jamming frequency band	600-1100MHz, 2400-2500MHz, 4900-5900MHz
Output power	Single-channel output power 100W; Overall output power 800W
Working mode	① Omnidirectional mode; ② Flexible mode (the interference direction can be configured independently in real time)
Scalability	Customizable frequency band, with max. output power of 100 W/frequency band

Continuous working time	>4h
IP rating	IP67
Operating temperature	-40 ~ +70°C
Storage temperature	-40 ~ +70°C
Dimensions (L×W×H)	760*578*480mm
Power consumption	2200W
Main equipment weight	36kg

SkyfendTracer

STP101

Tracer is a device designed to monitor and manage aerial drone activity. It decodes drone broadcast signals to extract detailed information including drone brand, model, serial number, location, and operator position. Furthermore, it employs advanced RF detection technology to detect drones, perform direction finding, and intercept live video feeds from various drone types. Its flexible customization options enable users to rapidly assess the local RF environment, respond promptly to emerging threats, and effectively safeguard critical infrastructure, sites, and personnel.

Features

- Integrated Protocol Decoding & RF Signature Recognition
- Outstanding Detection Performance
- Real-Time Full-Spectrum RF Monitoring
- Dynamic Real-Time Frequency Reconfiguration
- Mobile App Connectivity for Flexible Operation

Detection Frequency Band	0.4~6GHz
Detection Range	≥ 3km (LoS, EMI-free, optimal conditions)
Refresh Rate	<3s (Default: 2.4GHz & 5.8GHz)
Max Concurrent Targets	≥10
Direction-Finding Frequency Band	2.4GHz & 5.2GHz & 5.8GHz
Direction-Finding Accuracy	<±15°
Typical Detection Model：	
Commercial	DJI, Autel, FIMI, Parrot, etc.
FPV Video Transmission	TBS, RushFPV, PandaRC, Matekeey, RXC, SpeedyBee, iFlight, etc.
FPV Flight Control	TBS, ELRS, Foxeer, etc.
Video Interception	RushFPV, Matekeey, RXC, TBS, SpeedyBee, PandaRC, iFlight and other analog video transmission models.

Dimensions	240*89*75mm (folded)
Weight	1100±50g
User Feedback	Haptic /Audible /Visual Flash
Supported Protocols	Drone ID & Remote ID
Detection Range	≥3km (LoS, EMI-free, optimal conditions)
Refresh Rate	<3s (Default: 2.4GHz & 5.8GHz)
Max Concurrent Targets	≥30
IP Rating	IP65
Operating Temperature	-20°C~+55°C
Nominal Voltage	11.55V
Nominal Capacity	9000mAh
Operating Time	≥5h

SkyfendTracer G

STP120

Tracer G is a specialized solution for low-altitude drone supervision in urban environments. It combines two advanced RF detection Technologies: Protocol decoding and RF signature recognition. Using protocol decoding, Tracer G can identify and track mainstream commercial drones—such as those from DJI—in real time by interpreting broadcast telemetry data. This enables the system to extract comprehensive flight and identification information, including drone brand, model, serial number (SN), flight speed, position, altitude, and the coordinates of the drone operator. For non-cooperative drones that do not emit standard broadcast signals, RF signature recognition technology to detect and issue real-time alerts based on their unique electromagnetic signatures. This dual-layered approach ensures robust situational awareness and enhances airspace security in complex urban settings.

Features

- Full-Spectrum Coverage, Precision Detection
- Multi-Platform Identification
- High Refresh Rate, Clear Flight Trajectory
- Cost-Effective and Mission-Ready

Detected Drone Models	All DJI models (including support for encrypted DID decoding)； Drones equipped with Remote ID (RID) broadcast capability； Models from Autel, FIMI, Parrot, and similar manufacturers
Detection Range	RF Spectrum Sensing—Up to 3 km (Tested with DJI Mavic 3 under SRRC-compliant conditions: 2.4 GHz @ 20 dBm, 5.8 GHz @ 30 dBm)； Protocol Decoding—Up to 3 km (based on DJI Mavic 3)
Detection Frequency Bands	RF Spectrum Monitoring: 0.4 – 6 GHz（Key monitoring channels: 800–900 MHz, 1.2 GHz, 2.4 GHz, 5.2 GHz, 5.8 GHz）； Protocol Decoding: 2.4 GHz / 5.8 GHz

Refresh Rate	<3s
Simultaneous Drone Detection Capacity	Greater than 30 targets
Geolocation Accuracy	<10m
Device Dimensions	333*238*133mm (excluding antenna length of 350 mm)
Total Weight	6.60 kg (including antenna weight of 0.82 kg)
Power Supply	Supports AC 220V input
IP Rating	IP66 (dustproof and resistant to high-pressure water jets)
Operating Temperature Range	-25 ~ +70°C
Storage Temperature Range	-40 ~ +70°C

Skyfend Tracer Air

STA100

The drone pilot location solution aims to address the detection of drone operators in scenarios without broadcast protocols (such as Drone ID and Remote ID). This solution utilizes high-precision radio direction-finding equipment mounted on the drone to perform horizontal and vertical direction-finding on target signal sources, including drone remote controllers and radio jamming devices. It identifies the potential area where the target may exist and displays it on a map.

Through visual search of the target area combined with AI recognition assistance, the solution effectively discovers and locks onto the target. Additionally, the drone is equipped with anti-jamming capabilities, ensuring stable operation of the solution in complex radio environments.

Features

- Wide detection range
- High-precision detection and positioning
- Long-distance observation
- Detection of drone operators and interference sources

Wireless detection module

Dimensions	112*122*55mm
Weight	707.5g
Typical detection targets	Default 2.4GHz, 5.2GHz, 5.8GHz drone remote control signals and radio interference signals (5.1-5.8GHz signals can be configured via software)
Typical model	DJI: Mavic series, Air series, Mini series; Autel EVO Lite series, Max series, and EVOII series
Detection Range	Pilot localization: 3km (Based on the DJI RC Pro remote controller for the DJI Mavic 3 drone, signal power around 33dBm at 2.4GHz, 33dBm at 5.8GHz, in unobstructed line-of-sight conditions, without strong signal interference)
Interference source localization	4km (based on omnidirectional interference equipment, amplifier output power 20W, in unobstructed line-of-sight environment, without strong signal interference)
Directional detection angle accuracy	≤3° (RMS)
Qty. of drones that can be detected simultaneously	≥2
Operating temperature	-20 ~ +50°C
IP rating	IP65
Total power consumption	≤20W
Power supply mode	Carrier platform USB Type C power supply

Flight platform

Dimensions	1205*980*278mm (unfolded with propellers) / 455*263*248mm (folded without propellers)
Weight	6.63kg (with battery, gimbal, radio detection module, propellers)
Max. load	1.8kg
Max. flight speed	20m/s
Max. flight time	32min
Image transmission distance	>6km

Skyfend Tracer & Max 4T

STP100 / Max 4T

The Tracer P system efficiently analyzes the broadcast protocol signals of drones, enabling it to comprehensively capture key information and accurately locate the operators of illegal flights. To enhance the efficiency of apprehending unauthorized pilots, Tracer P can display detection results on the drone's remote control interface, guiding users to quickly navigate to specified locations for capture and tracking. This provides law enforcement with an easy-to-use, precise, and effective solution for documenting unauthorized operators.

Features

- Covers most mainstream models
- High timeliness, quick evidence collection
- HD imaging, worry-free documentation
- Unified platform, one-click synchronization

Tracer P

Detection model	All DJI models, and drones with RID broadcast signals (including O4 image transmission drones)
Detection Range	3km (omnidirectional)
Detectable frequency band	2.4GHz / 5.2GHz / 5.8GHz
Parsing refresh rate	<3s

Max 4T drone

Image transmission distance	20km
Max. horizontal flight speed	23m/s
Max. flying altitude	4km
Max. flight time	42min
Max. hover time	38min
Image sensor	1/2" CMOS, effective pixels (48 million)
Zoom camera lens	Focal length: 11.8-43.3mm (35mm equivalent focal length: 64-234mm) Aperture: f/2.8-f/4.8 Focusing distance: 5m~∞
Infrared camera lens	FOV: 42°; Focal length: 13 mm; Aperture: f/1.2; Focusing distance: 6m ~ ∞; Zoom: 16x digital zoom
IP rating	IP43
Operating temperature	-20 ~ +50°C
Storage temperature	-20 ~ +50°C

SkyfendTracer V

STP121

The vehicle-mounted detection system, Tracer V, provides multi-drone detection and early warning capabilities within a hemispherical coverage area of 3 km radius and 500 meters in altitude.

Tracer V effectively receives, analyzes, and processes radio frequency (RF) signals from a wide range of drone models.By analyzing drone data-link transmissions, Tracer V can promptly detect the presence of UAVs and classify their types, while ensuring no interference with wireless communication devices within protected zones.

By decoding UAV broadcast protocol signals, Tracer V can retrieve detailed information from mainstream commercial drones, such as brand, model, serial number (SN), location, altitude, and flight speed, while also pinpointing the remote pilot's location, providing strong support for UAS regulation.

Features

- On-the-move Detection, Comprehensive Protection
- Data Fusion, Precision Detection
- Multi-Model Identification
- Ultra-Fast Refresh Rate, Clear Trajectory

Detected Drone Models	All DJI models (supporting encrypted DID signal decoding); Drones broadcasting Remote ID (RID) signals Models from Autel, FIMI, Parrot, and other manufacturers
Detection Range	RF Spectrum Sensing: Up to 3 km (based on SRRC-compliant DJI Mavic 3, with 2.4 GHz transmission power of 20 dBm and 5.8 GHz transmission power of 30 dBm) Protocol Decoding: Up to 3 km (example: DJI Mavic 3) Note: Performance tested under line-of-sight, clear airspace conditions with minimal urban interference.
Detection Frequency Bands	RF Spectrum Monitoring: 0.4 – 6 GHz; Key monitoring channels: 800–900 MHz, 1.2 GHz, 2.4 GHz, 5.2 GHz, 5.8 GHz; Protocol Decoding: 2.4 GHz / 5.2 GHz / 5.8 GHz

Refresh Rate	<3s
Simultaneous Drone Detection Capacity	>30
Geolocation Accuracy	<10m
Product Weight	28.5 kg
Product Dimensions	780*472*280mm
Power Supply	AC 220V
IP Rating	IP66
Operating Temperature Range	-30 ~ +70°C
Storage Temperature Range	-40 ~ +70°C

SkyfendLaser

DEC100

The Laser Countermeasure System is a high-precision UAV neutralization module designed to engage small, low-altitude drones using directional energy. Engineered for rapid deployment and integration into layered defense systems, it provides effective hard-kill capabilities against rogue UAVs. Equipped with a radar-guided targeting mechanism, the system detects, tracks, and classifies aerial threats in real time. Once a target is confirmed, the laser unit executes fast-locking and precision engagement, minimizing collateral risk.

Features

- Highly Cost-effective
- Continuous Defense Capabilities
- Precision Engagement
- Low Per-Engagement Cost

Laser Power	2KW
Effective Neutralize Distance	≤500m (@Visibility>10km, RCS>0.01m²)
Detection Distance	>1.5km (@Visibility>10km, RCS>0.01m²)
Tracking Accuracy	≤15urad (RMS)
Azimuth	-175° ~ +175°
Pitch	-10° ~ +60°
Maximum Angular Velocity	>30°/S
Angular Acceleration	>60°/S²

Weight	<40kg
Total Consumption	6.5kw
Dimensions	ATP: 365*327*467 mm Laser: 386*283*200 mm Battery: 349*200*150 mm
Power Supply	Battery-Powered, DC 125V
Cooling Method	Active Cooling

SkyfendSpoofer

SSH100

Spoofer is a Global Navigation Satellite System (GNSS) spoofing instrument engineered specifically for SUAVs. This equipment is able to emit public satellite navigation signals. It has the capability to swiftly implement a range of functions such as area denial, directed guidance, and active defense, addressing the problem of flight restrictions for commercial SUAVs in sensitive airspace. In addition, when integrated with radar systems, spectrum detection devices, and jammers, it can facilitate high-accuracy spoofing and the crash of drones.

Features

- Easy to Use
- Flexible and Portable
- Multiple Frequency Points
- High Efficiency and Low Error

Supported Frequencies	BDS: B1I, 1561.098MHz; GPS: L1C/A, 1575.42MHz; GLONASS: L1, 1598.0625~1605.375MHz; Galileo: E1, 1575.42MHz
Signal Power	≤10dBm
Power Adjustment Range and Step Size	Range：≥20dB, Step Size：≤0.5dB
Effective Range	Typical: 2 km (spoofing range varies by drone model)
Startup Time	≤50s (From Power-On to Successful Network Connection)
Preparation Time	≤5min (From power-on to ephemeris and clock stabilization completion)
Interval Time Between Two Guidance and Deception	≤10s
Guidance Signal Time Synchronization Accuracy	≤50ns
Deception Signal Switch-on Time	≤1s
Deception Activation Time	Typical 10s (varies with different drones)
Deception Success Rate	≥90%(covers mainstream models)

Overall Dimensions	With antenna: 748.4*405.2*202.4mm Without antenna: 469.6*405.2*202.4mm
Overall Weight	≤10kg
Antenna Size	≤55mm
IP Rating	IP65
Power Supply	Battery-powered & 220V AC powered
Operation Time	4.5h
Operation Temperature	-20 ~ +55°C
Continuous Jamming	＞3h
Hybrid Ephemeris Mode	Supported
Supported Drone Models	Support for Mainstream Drone Models Available in the Market

SkyfendSpoofer Pro

SSH110

The Spoofer Pro is a fixed drone navigation spoofing device with powerful monitoring capabilities, ultra-high reliability and stability, longer effective range, and higher protection level, suitable for long-term deployment in fixed locations. This device achieves active defense, directional inducement, and area denial by emitting civilian satellite navigation simulation signals, effectively solving the flight control issues of commercial low-speed small drones in sensitive areas. Integrated with radar, spectrum detection, and counter-drone guns, it can achieve powerful functions such as directional spoofing and drone crashing, truly realizing the "1+1>2" combat effectiveness.

Features

- Full-band coverage
- Ultra-high protection level
- Ultra-long coverage distance
- Long-term efficient monitoring
- Easy to set up
- Easy to Use

Supported frequency	Supported GNSS (BDS/GPS/GLONASS/Galileo) Full-system drone spoofing
Signal power	≤20W (Gear adjustable)
Effective range	5km (software adjustable)
Signal acquisition time	5~10s

IP rating	IP67
Power supply	220V AC power supply
Operating temperature	-20 ~ +55°C

Dimensions	Dimension (without tripod and antenna): 374*300*264.5mm Dimension (with antenna): 374*300*317mm Dimension (with tripod and antenna): 374*300*317+1546mm
Weight	Total weight (without tripod): 10kg Total weight (with tripod): 17kg
Antenna radius	77mm
Power consumption	130W
Startup time	Device online in 40s, ephemeris collection completed in 3-5 minutes

SkyfendTracker

SDH100

Tracker is a K-band linear frequency-modulated continuous wave（LFMCW） phased-array radar featuring low SWaP, offering all-weather BLOS 4D target detection. It delivers high-refresh rate, high-fidelity tracking of a wide range of aerial targets including conventional, silent, fiber-optic, and autonomous UAVs as well as ground targets such as personnel and vehicles. Designed for optical tracking and countermeasure guidance, it seamlessly integrates with fixed stations, mobile platforms, and UAV platforms, delivering a cost-effective air-ground security solution.

Features

- Air-Ground Detection
- Precision Guidance
- Rapid Deployment
- High Stealth
- Flexible Networking

Performance	
Radar Detection Range	0.65km (FPV 7-inch); 1.1km (DJI Mavic 3); 1.8km (DJI FC30); 2km（Human）; 3.5~4km（Vehicle）
Distance Accuracy	2m
Blind Area	≤20m
FOV	Azimuth: 100° Elevation: 45°
Angular Accuracy	Azimuth: ±1.0° Elevation: ±2.0°
Tracking Qty.	5~10 (TAS) 200 (TWS)
Track Target Update Cycle	100ms
Speed Range	1-60m/s (drone pattern)
Speed Accuracy	≤0.6m/s

SWaP	
Dimensions	205*225*65 mm (excluding front heat sink)
Weight	3kg
Power consumption	130W
Power supply	AC 220V, DC 24±8V

Radar System	
Frequency band	24.05-24.25GHz
Scanning Method	2D AESA
Waveform	FMCW
Tracking Method	TWS/TAS
Data Interface	RJ45 Ethernet Port

Reliability	
Operating temperature	-40 ~ +55°C
Storage temperature	-55 ~ +95°C
IP rating	IP67
Upgrade	OTA Supported

SkyfendTracker Pro

DPH100

Tracker Pro is an X-band pulse-Doppler phased-array radar for all-weather, wide-area 4D air and ground surveillance. It supports customizable scanning modes, including 360° horizontal mechanical scanning, 90° electronic beam steering, and vertical sector scanning. With high precision and rapid response, it reliably detects all drone types (conventional, silent, fiber-optic, autonomous flight UAV, etc.) and ground targets (humans, vehicles). Designed for optical tracking and countermeasure guidance, it integrates seamlessly with fixed or vehicle-mounted platforms, ensuring efficient, precise security coverage.

Features

- Air-Ground Detection
- Strong Environmental Adaptability
- Multi-Scene Application
- Easy Integration

Performance	
Radar Detection Range	3.5km (FPV 7-inch); 5km (DJI Mavic 3); 7km (DJI M300); 9.5 km (Human); 12~15km (Vehicle)
Distance Accuracy	<10m
Blind Area	200m
FOV	Azimuth: 90° Elevation: 60° (Support up to 75°)
Angular Accuracy	Azimuth: <0.5°, Elevation: <0.5
Tracking Qty.	500@TWS, 6@TAS
Track Target Update Cycle	Mechanical Scanning Mode <6s (configurable); Electrical Scanning Mode TAS<0.5s, TWS<6s
Speed Range	1~100 m/s
Speed Accuracy	≤1m/s

SWaP	
Dimensions	<344*342*141 mm
Weight	<15Kg
Power consumption	<350W
Power supply	AC 220V, DC 24±8V

Radar System	
Frequency band	9.2-9.8GHz
Scanning Method	AESA
Waveform	Pulse Doppler
Tracking Method	TWS/TAS
Data Interface	RJ45 Ethernet Port

Reliability	
Operating temperature	-40 ~ +60°C
Storage temperature	-50 ~ +70°C
IP rating	IP66
Upgrade	OTA Supported

SkyfendTracker Eye

SRP100

SRP100 is a low-altitude counter-drone system that integrates radar and EO/IR module, offering an all-in-one capability of detection, guidance, identification and tracking. Radar performs omnidirectional target detection and automatically guides the EO/IR system for target recognition and continuous tracking, delivering precise guidance with full-process visualization. Designed for low-altitude protection in critical areas such as airports, prisons, and energy facilities, delivering all-weather, hemispherical situational awareness.

Features

- All-Weather Hemispherical Monitoring
- Intelligent Threat Level Assessment
- High-Precision Countermeasure Guidance
- Lightweight & Rapid Deployment

Radar & EO / IR Specifications

Recognizable Targets	0.65km (FPV 7-inch); 1.1km (DJI Mavic 3) 1.8km (DJI FC30); 2km (Human) 3.5~4km (Vehicle)
Radar Detection Range	Drones, commercial aircraft, birds, humans, vehicles
FOV	Horizontal: 360°, Elevation: 0°–90°
Speed Range	0~60m/s
Accuracy	distance 2m, angle 0.03°
Target Lock-On Time	＜4s
AI Target Recognition Accuracy (UAVs)	＞98%
Weight	<30kg
Dimensions	920*920*440mm
Power Consumption	<1000W
Input Voltage	AC 220V
Operating Temperature	-40°C~+60°C
IP Rating	IP66

Radar Specifications

Operating Frequency	K-Band, 24.05~24.25GHz
Scanning Method	Active Electronically Scanned Array
Blind Zone	≤20m
Target Capacity	Detection: 200 targets, Tracking: 5–10 targets
Airspace Scan Time	2s
Target Update Rate	100ms

EO/IR Specifications

DayLight Camera:	
Image resolution	1920*1080
Field of view	43.5°*26.2°--0.85°*0.57°
Lens Focal length	F6.5mm-312mm
Continuous Optical Zoom	48X
Thermal Imaging:	
Image Resolution	640*512
FOV	8.2°*6.6°
Lens Focal Length	F75mm

*Note: Some identification functions require visual aids.

SkyfendTracker Eye Pro

SRP210

Tracker Eye Pro is a wide-range active radar and electro-optical detection system that integrates Tracker Pro phased array radar and long-focus photoelectric detection technology. It can ensure all-weather and all-round highly accurate real-time sensing of drones in large-area protection scenarios where radio detection is ineffective, and can provide highly accurate position information, target classification, and threat confirmation videos.

Features

- 360° All-weather Large-scale Active Detection
- High-Precision Positioning Detection
- Intelligent Recognition & Electro-Optical Fast Locking
- Payload Thread Identification

Radar Parameters

Detection Range	3.5km (FPV 7-inch); 5km (DJI Mavic 3); 7km (DJI M300); 9.5 km (Human); 12~15km (Vehicle)
Recognizable Targets	Drones, Birds, Personnel, Vehicles
Field of View (FOV)	Azimuth: 0~360° / Pitch: 0~90°
Max Target Detection Speed	100m/s
Detection Range Accuracy	2m
Detection Angle Accuracy	0.5mrad
Target Locking Time	<4s
AI Target Recognition Accuracy	98% (drone)
Vision System	Visible Light & Infrared Thermal Imaging
Weight	150kg
Dimensions	650*9650*900mm
Installation Method	Mast Installation
Operation Power	<1500W
Operation Voltage	AC 220V
Operating temperature	-35 ~ +55°C
IP rating	IP66

EO/IR Systems

Visible Light Lens Resolution	1920×1080 (FHD)
Focal Length of Visible Light Lens	12.3~800mm
Zoom Ratio of Visible Light Lens	65X
Infrared Lens Resolution	640×512
Infrared Lens Focal Length	30~150mm
Infrared Lens Zoom Ratio	5x

*Note: Some identification functions require visual aids.

SkyfendSpotter

SSF100

Spotter is an integrated detection system engineered to provide 24/7, all-weather drone surveillance for airports, large-scale public events, and critical infrastructure. It combines radar, electro-optical sensing, and radio frequency detection technologies to deliver real-time situational awareness of drone positions and flight data, supporting rapid operational decision-making.

The system employs a distributed AI processing architecture that enhances resource efficiency through parallel processing and load balancing. By deeply integrating advanced artificial intelligence, Spotter delivers an intelligent, high-performance, and scalable solution for drone monitoring and threat mitigation—comprehensively addressing the security requirements of complex and dynamic operational environments.

Features

- Multidimensional Detection Capabilities
- Cost-Effective and Efficient Deployment
- Intelligent Analysis and Response
- Distributed Architecture
- Flexible Expansion and Integration

Radio Frequency (RF) Detection Module

Detection Frequency Bands	400~6000MHz
Detection Range	3km
Supported Drone Types	Commercial Drones、Homemade or DIY Drones
Maximum Detection Capacity	30
Refresh Rate	＜3s
Non-conventional Drone Directional Accuracy	＜30°
Multi-Site Localization	Requires at least three sites
Multi-Site Horizontal Localization Accuracy	＜15m
Blacklist and Whitelist Functionality	Support

Radar Detection Module

Scanning Method	Active Electronically Scanned Array
Waveform Mechanism	Frequency Modulated Continuous Wave
Operating Frequency Band	24.05 GHz ~ 24.25 GHz
Radar Capability	0.65km (FPV 7-inch); 1.1km (DJI Mavic 3); 1.8km (DJI FC30); 2km (Human); 3.5~4km (Vehicle)
Distance Blind Spot	≤20
Detection Angle Range (2*Radar)	Horizontal: 180°; Vertical: 40°
Number of Tracks	5 ~10 (TAS) 100 (TWS)
Speed Range	1-60m/s (Drone Mode)

Visual Detection Module

Detection Range	＞1000m
Detection Mode	Visible/Thermal Imaging
Focal Length	Visible: 6~336mm; Thermal Imaging: 150mm
Field of View (FOV)	Horizontal: 360°; Vertical: -60° to 90°

SkyfendSentry

SST200

Sentry is a modular fixed Counter-UAS system that seamlessly integrates radio frequency detection, radar, visual, and thermal imaging sensors. Paired with edge computing and an advanced AI analytics engine, it forms a highly integrated detection and countermeasure closed-loop system. The system automates the entire process—from target detection, identification, and tracking, to early warning, counteraction, and effect assessment—greatly enhancing response efficiency. Leveraging multi-source data fusion and AI enhenced recognition technology, Sentry ensures precise targeting while significantly reducing false alarm and missed detections. It is ideally suited for complex environments with high airspace security demands.

Features

- Multi-layered Detection Fusion, Full-Target Identification and Tracking
- AI-powered Smart Decision-Making, Accurate Recognition and Classification
- Intelligent Adaptive Countermeasures, Efficient Closed-Loop Control
- Rapid Deployment, Coverage of Multiple Critical Scenarios

Radio Frequency Module

Frequency Range	0.4 ~ 6 GHz
RF Spectrum	≤5km
Protocol Decoding	≤3km
Interference Radius	≤3km
Identification Parameters	Manufacturer,Model,Frequency, Protocol Type, Azimuth, ID, Coordinates, Speed, etc.

System Specifications

Dimensions	≤1750*1010*1800mm
Weight	≤1000Kg
Power Consumption	≤6KW
Interface	LAN
Ingress Protection Rating	IP66
Operating Temperature Range	-30°C ~ +65°C
Storage Temperature Range	-40°C ~ +70°C

Radar and Electro-Optical Module

Radar Detection Range	3.5km (FPV 7-inch); 5km (DJI Mavic 3); 7km (DJI M300); 9.5 km (Human); 12~15km (Vehicle)
Single Radar Detection Capacity	≤500targets
Electro-Optical Identification Range	≤5km (Standard Small UAV Targets)
Target Lock Time	<4s
AI Recognition Accuracy	>98%

Navigation and Jamming Module

Supported GNSS Systems	GPS, BeiDou, GLONASS, Galileo
Effective Range	1 – 5 km (Adjustable)