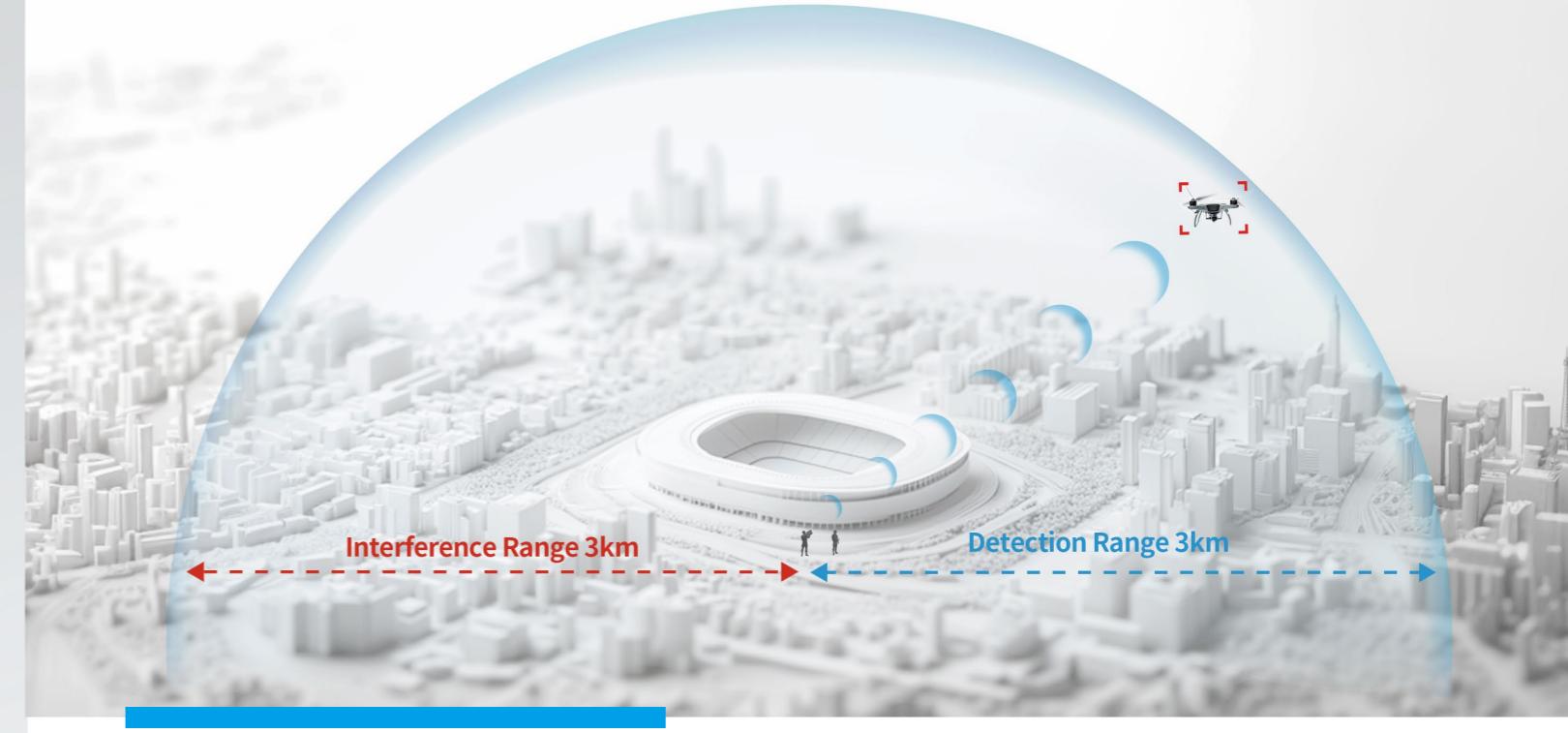


INTELLIGENT C-UAS SOLUTIONS

Products & Solutions

INNOVATION
FOR A
SAFER
WORLD





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

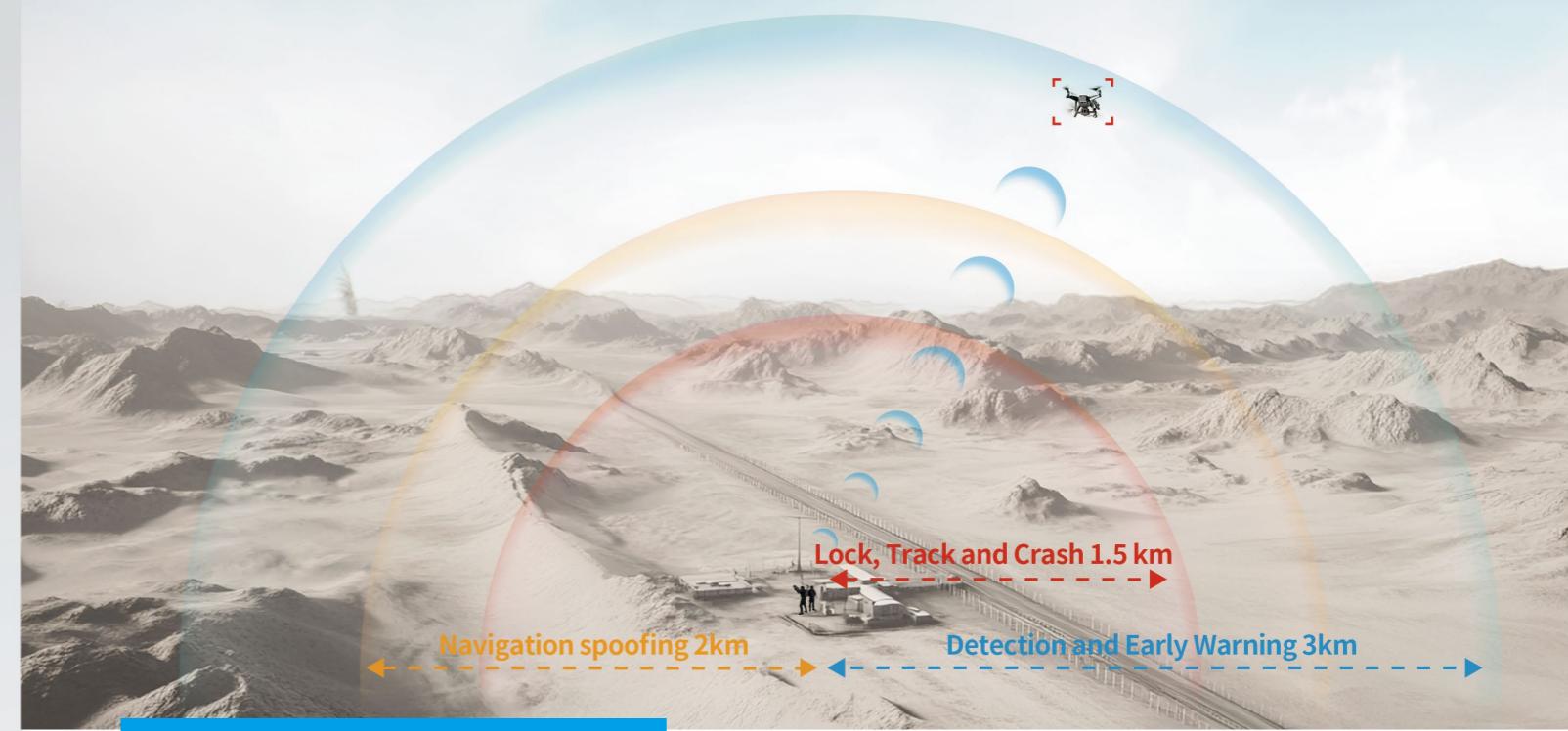


Combining intelligent interference
strategies with directional interference
to minimize the impact on other wireless
devices in the surrounding area

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 drone 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



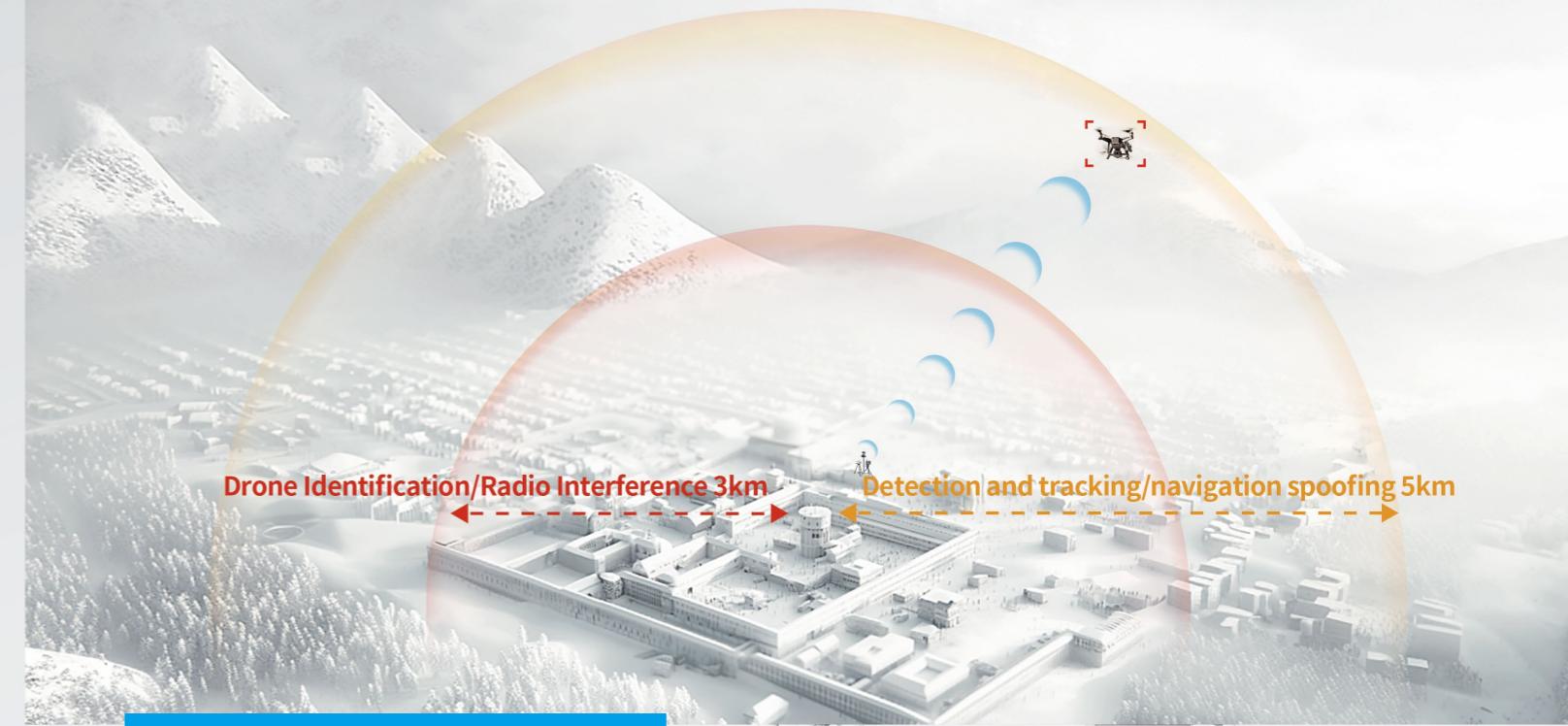
Networking for
multiple devices



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



FIXED Energy Facility Protection



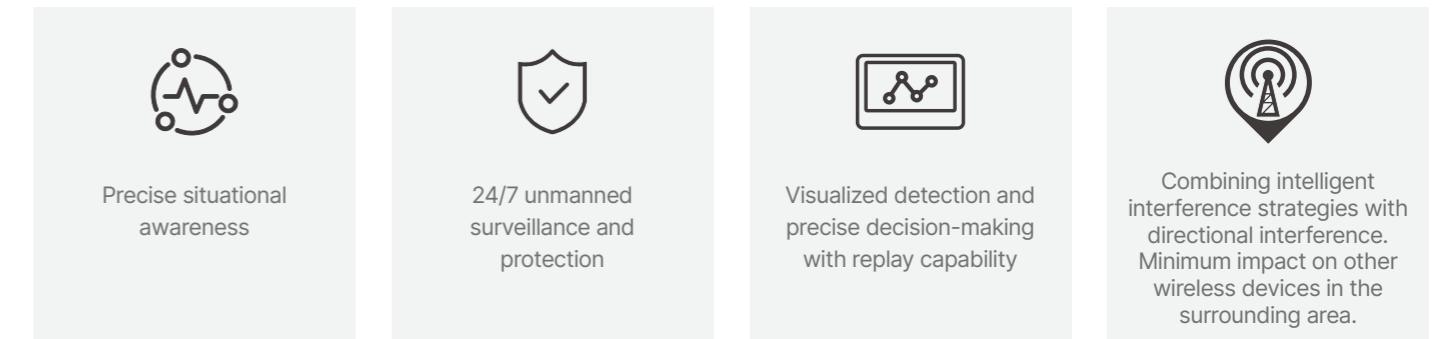
INTRODUCTION

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.

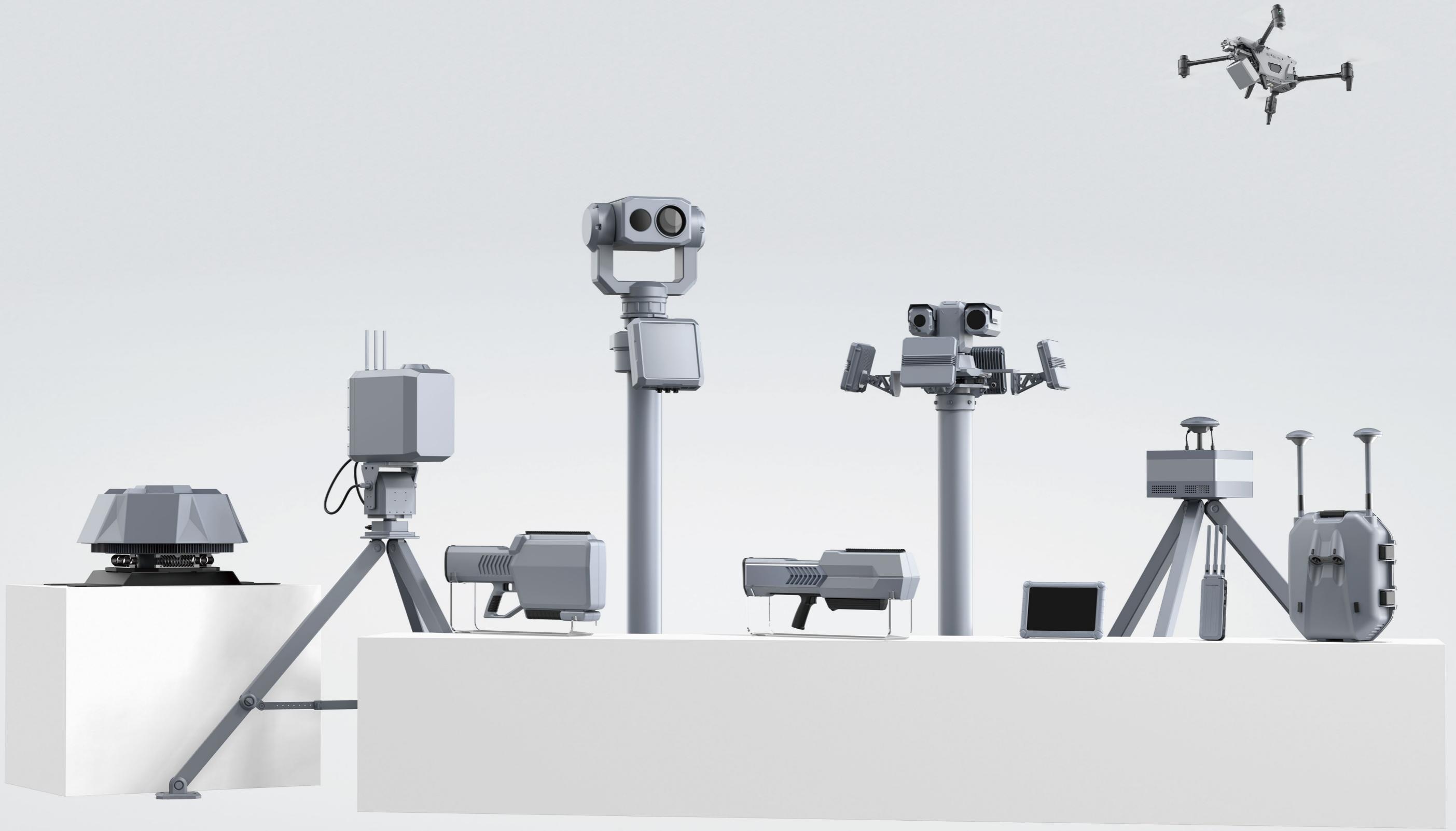
SPECIFICATIONS

- **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



PRODUCT SERIES





SkyShield PC

SkyShield PC supports mainstream computer operating systems, making it widely compatible with various computing environments. The system efficiently integrates with SKYFEND's counter-drone products via intranet or wired connections, ensuring information security while providing real-time situational awareness and in-depth data analysis capabilities.

SkyShield PC supports 24/7 unattended operation, able to connect with SkyShield Tablet, and allows information sharing across multiple clients, making it an optimal solution for centralized control in small core areas.

Features

- Situational awareness
- Intelligent integration
- Blacklist and whitelist management
- Team Collaboration
- Local area prevention and control
- 24/7 unmanned surveillance

SkyShield Cloud

SkyShield Cloud is an intelligent cloud-based command and control system with unlimited compatibility, and may be integrated with all series of counter-drone products of SkyFend. It achieves device collaboration through data fusion technology, thus effectively implementing layered prevention and control. Users can control devices remotely, allowing for wide-area command and deployment. In addition, SkyShield Cloud supports flexible deployment, compatible with both private clouds (internal deployment) and public cloud platforms (such as Azure and AWS), meeting various levels of information security requirements.

With the help of cutting-edge technologies such as 3D simulation, sensor fusion and computer vision, SkyShield Cloud provides highly realistic visual situational awareness, real-time data analysis and dynamic threat assessment, supports all-weather automatic operation, reduces human errors, and ensures continuous airspace safety. With technological integration and automation features, it is regarded as a powerful tool for wide-area safety assurance.

SkyShield Tablet

As an advanced command and control (C2) system tablet, SkyShield Tablet has excellent data processing, monitoring, analysis and reporting functions, operates stably under various natural environmental conditions, and offers all-weather, all-terrain drone defense capability.

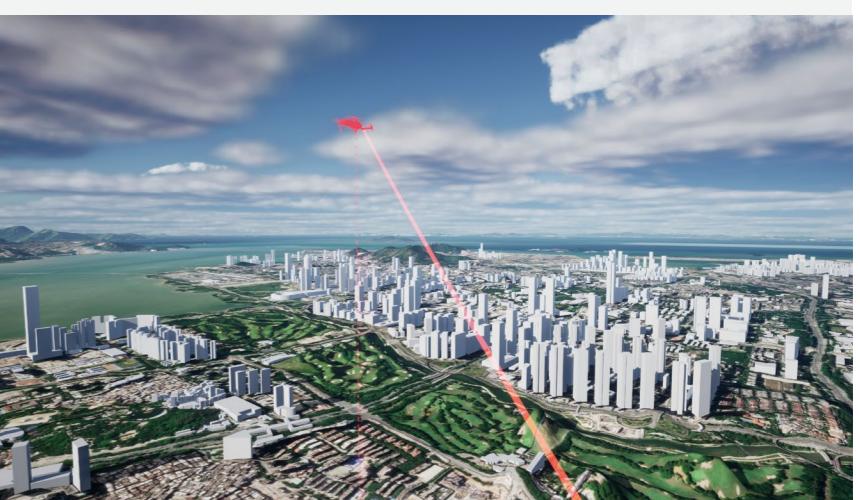
Dimension	L*W*H	Weight
	326.5 * 228.5 * 44.5mm	About 2kg

Features

- Situational awareness
- Intelligent integration
- Blacklist and whitelist management
- Offline map
- Lightweight and portable
- Easy to operate

Features

- 24/7 Unmanned surveillance and protection
- Data fusion, and information synergy
- Situational awareness, and threat assessment
- Intelligent decision-making, and fast response
- Easy to deploy, and multi-point defense
- Incident review, and forensic analysis





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 Spoofers
- Flexible and Portable, ready for deployment anytime

SkyfendHunter

SHH100

Hunter is a versatile handheld drone jammer that can effectively detect, identify, 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

Jamming

Total jamming output	100W
Coverage angle	Horizontal ±15°, and vertical ±10°
Jammer 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

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)
Jammer frequency band	0.4~6GHz
Jammer power at each frequency band	0.4~2GHz: 20w / 2~4GHz: 20w / 4~6GHz: 40w
Jammer-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-band detection and interference
- Blacklist and whitelist management
- Real-time feedback of interference effect
- 24/7 unmanned surveillance and protection

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
Dimensions (L*W*D)	508*261.5*450.5mm
Weight	10.2 kg

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

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	2500W
Main equipment weight	36kg

Effective protection radius	300m
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, 5150-5250MHz, 5725-5850MHz
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



SkyfendTracer P

STP100

Tracer P is a product specially designed for monitoring and managing aerial drone activities, and can provide real-time detection and early warning for mainstream brands such as DJI (including the latest O4 image transmission drone). By decoding the broadcast signal of the drone, it can obtain the detailed information such as the brand, model, SN, location, altitude, flight speed, and operator location of the drone, so as to help customers effectively monitor airspace security and protect the security and privacy of key places and event sites.

Features

- Support mainstream drone models and continuously update the model library
- Excellent detection performance
- Multi-mode and multi-scenario adaptation
- Multi-unit networking to achieve wide area coverage
- High practicality and usability

Detection model	All DJI models and drones with RID broadcast signals
Detection Range	3 km (omnidirectional)
Detectable frequency band	2.4GHz / 5.2GHz / 5.8GHz
Parsing refresh rate	<3s
Qty. of drones that can be decoded simultaneously	>30
Positioning accuracy	<10m
Operation time	4h
Operating temperature	-20~55°C
IP rating	IP65

Dimensions	222*85*45mm (without antenna)
Weight	<1kg (with battery)

SkyfendTracer S

STS100

Tracer S adopts advanced spectrum detection technology to provide users with real situational awareness and simple operation, and eliminate distractions. This device achieves the real-time detection by scanning the radio frequency spectrum and analyzing the data transmission protocol of drones, with no signal emission requirement. It covers mainstream commercial drones, such as DJI, Autel and self-made FPV drones and large multi-rotor drones. By using its automatic detection function, Tracer S can effectively identify threats and promptly notify users through audible, visual, and vibration alarms to ensure the safety of users.

Features

- Full band coverage
- Exceptional detection performance
- Real-time acquisition of FPV video
- Support 0.6-6GHz full-band radio signal monitoring

Spectrum detection

Detection model:	
Commercial model	DJI, Autel, FIMI, Parrot, etc.
FPV image transmission brand	TBS, RushFPV, PandaRC, Matekeey, RXC, SpeedyBee, iFlight, etc.
FPV flight control brand	TBS, ELRS, Foxeer, etc.
Detection Range	3km (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)
Detectable frequency band	0.6-6GHz (main detection frequency bands: 800~900MHz, 1.2GHz, 2.4GHz, 5.2GHz, 5.8GHz)
Qty. of drones that can be detected simultaneously	≥10
Detection time	<3s

Directional detection antenna

Frequency band	2.4GHz / 5.2GHz / 5.8GHz
Directional accuracy	≤15°

Video interception model

RushFPV, Matekeey, RXC, TBS, SpeedyBee, PandaRC, iFlight and other analog image transmission models

Operating environment

IP rating	IP65
Operating temperature	-20~55°C

Battery parameters

Standard voltage	11.07V
Nominal capacity	103.95Wh
Battery weight	488g
Dimensions	38*82 *102mm
Working hours	5h (battery replacement within 10s supported)
Operating temperature	-20~60°C
Dimension	421*125*75mm (including antenna)
Total weight	1.55kg (including battery)



SkyfendTracer F

STP110

By analyzing the broadcast protocol signals of drones, the Tracer F can comprehensively obtain various information of mainstream commercial drones, including brand, model, SN, position, altitude, and flight speed. Additionally, it can locate the position of the drone pilot, providing strong support for drone regulation. The fixed Tracer F can operate around the clock with 24h unmanned surveillance, offering continuous drone detection and early warning services, thus providing a strong guarantee for the sustainable development of the low-altitude economy.

Features

- Grabbing all mainstream drone models
- Wide-area coverage with multi-device networking
- Ultra-fast refresh rate, clear trajectory
- Economical, durable and reliable
- Continuous upgrade to stay ahead

Detection model	All DJI models, and drones with RID broadcast signals (including O4 image transmission drone)
Detection Range	Up to 9 km (in clear air, with no interference and line-of-sight)
Detection frequency band	2.4 GHz / 5.2 GHz / 5.8GHz
Parsing refresh rate	<3s
Qty. of drones that can be detected simultaneously	>50
Positioning accuracy	< 10 m

Equipment power supply	Supporting DC 12V, AC 12V/24V, AC 220V
IP rating	IP66
Operating temperature	-30~70°C
Storage temperature	-40~70°C

SkyfendTracer P & Max 4T

STP100 / Max 4T

The TracerP system can comprehensively capture the key information of drones and accurately locate the illegal drone operators by efficiently decoding the broadcast protocol signals of drones. To improve the efficiency of capturing a rogue drone pilot, TracerP can display the detection results on the remote control interface of drone, to guide it to quickly fly to the designated location for shooting and tracking, providing law enforcement personnel with a simple, accurate, and efficient solution for capturing evidence of the "rogue" drone pilot.

Features

- Covers mainstream models
- High timeliness and rapid evidence collection
- High-definition video, worry-free evidence collection
- 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 Air

STA100/SOA100

The drone pilot localization solution addresses the challenge of detecting drone pilots in environments without broadcast protocols (DroneID and RemotelID). The pilot localization solution involves mounting high-precision radio direction-finding equipment on the drone, which performs both horizontal and vertical direction-finding of the target signal sources, including the drone remote controller and radio interference equipment. It pinpoints potential locations of the target and displays them on a map.

Through visual search of the target area combined with AI-assisted recognition, it can detect and lock onto the target. In addition, the carrier has the ability to resist radio interference, ensuring that the solution can be used stably in complex radio environments.

Features

- Wide detection range
- High-precision detection and positioning
- Long-distance detection
- 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 EVOI series
Detection Range	Pilot localization: 3km (based on DJI Mavic 3 drone that complies with SRRC standards, signal power around 20dBm at 2.4GHz, 30dBm 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 Spoofers

SSH100

Spoofers is a portable drone navigation and deception device engineered explicitly against SUAVs, with the advantages of lightweight, easy to carry, and rapid deployment. 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. Its backpack-style is easily portable and suitable for deployment in complicated environments, providing users with a convenient and efficient experience.

Features

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

Skyfend Spoofers Pro

SSH110

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

Supported frequency	Supported GNSS (BDS / GPS / GLONASS / Galileo) Full-system drone spoofing	IP rating	IP65	Dimensions	540*406*204mm Dimension 840*406*204mm (Antenna raised)
Signal power	≤4W (gear adjustable)	Power supply	Battery-powered & 220V AC powered	Weight	11kg
Effective range	2km (software adjustable)	Operation time	4.5h (standby) 3h (operation)	Antenna radius	50mm
Signal acquisition time	5~10s	Operating temperature	-20~55°C	Power consumption	60W
				Startup time	Device online in 40s, ephemeris collection completed in 3-5 minutes

Supported frequency	Supported GNSS (BDS/GPS/GLONASS/Galileo) Full-system drone spoofing	IP rating	IP67
Signal power	≤20W (Gear adjustable)	Power supply	220V-AC power supply
Effective range	5km (software adjustable)	Operating temperature	-20~55°C
Signal acquisition time	5~10s		
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		



Skyfend Tracker

SDH100

Tracker is a compact K-band 2D active phased array radar designed specifically for low-altitude drone detection missions. It is a robust enhancement to local area situational awareness and is suitable for applications with stringent weight requirements, such as man-portable, optical targeting guidance, vehicle-mounted active defense, and drone-mounted scenarios. Targeted algorithm optimizations significantly improve detection reliability of FPV and small fixed-wing drones. Advanced environment sensing and clutter suppression algorithms also greatly enhance the adaptability of application scenarios.

Features

- Reliable Detection
- lightweight design
- Rapid Deployment
- Easy to Integrate

Performance	
Radar Detection Range	> 800m (FPV 7-inch) > 1100m (DJI Mavic 3) > 2500m (DJI FC30)
Distance Accuracy	2m
Blind Area	≤20m
FOV	Azimuth: 100° Elevation: 50°
Angular Accuracy	Azimuth: ±1.0° Elevation: ±3.0°
Tracking Qty.	5~10 (TAS) 100 (TWS)
Track Target Update Cycle	200ms
Speed Range	1~60m/s (drone pattern)
Speed Accuracy	≤0.9m/s

SWaP	
Dimensions	205×225×65 mm (excluding front heat sink)

Radar System	
Frequency band	24.0-24.25GHz
Scanning Method	2D ASEA
Waveform	FMCW
Tracking Method	TWS/TAS
Data Interface	Gigabit Ethernet

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

Skyfend Tracker Pro

DPH100

Tracker Pro is an X-band pulse Doppler 2D active phased array radar, which has the hemispherical detection capability of low-altitude flying objects with high accuracy in all weather conditions. It supports multiple types of missions through software-defined methods and is suitable for border monitoring, integrated air defense, etc. The modular design can provide a four-sided array or turntable form as needed for easy integration into multiple carrier platforms.

Features

- Highly Accurate Detection
- Multitasking Capabilities
- Hemispherical Detection
- Highly Reliable

Performance

Radar Detection Range	> 3500m (FPV 7-inch) > 5000m (DJI Mavic 3) > 7000m (DJI M300)
Distance Accuracy	<10m
Blind Area	200m
FOV	Azimuth: 90° Elevation: 60° (searching) 90° (tracking)
Angular Accuracy	Azimuth: <0.5% Elevation: <0.5%
Tracking Qty.	>200
Track Target Update Cycle	Mechanical Scanning Mode <6 (configurable); Electrical Scanning Mode TAS<0.5, TWS<6
Speed Range	1~100 m/s
Speed Accuracy	≤0.6m/s

SWaP

Dimensions	<357*345*145 mm
Weight	<15Kg
Power consumption	<400W

Radar System

Frequency band	X-band
Scanning Method	Horizontal machine scanning / 2D ASEA
Power supply	AC 220V
Waveform	Pulse Doppler
Tracking Method	TAS/TWS
Data Interface	Gigabit Ethernet

Reliability

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



Skyfend Tracker Eye

SRP100

Tracker Eye is a core area visual and radar detection system that integrates phased array radar and electro-optical detection technology, ensuring all-weather and comprehensive highly reliable situational awareness without relying on drone radio signals. It can provide highly accurate location information, precise target category information, and threat confirmation videos. In addition, the SWaP-C optimization and modular design allows for rapid deployment of protection in key areas such as prisons and mansions.

- | | | |
|-----------------|---|--|
| Features | <ul style="list-style-type: none"> ▪ 360° Unmanned Surveillance and Protection ▪ High-Precision Positioning Detection ▪ Strong Anti-interference Ability, Adaptable to Complicated Environment | <ul style="list-style-type: none"> ▪ Intelligent Recognition & Electro-Optical Quick Locking ▪ Highly Cost-effective |
|-----------------|---|--|

Radar Parameters

Detection Range	7-inch FPV: 800m; Mini and Micro Drones: 1100m (DJI Mavic 3); Small and Medium-sized Drones: 2500m (DJI FC30)	Weight	30kg
Recognizable Targets	Drones, Birds, Personnel, Vehicles	Dimensions	920*920*440mm
Field of View (FOV)	Azimuth: 0~360° / Pitch: 0~90°	Installation Method	Installation of Mast/Tripod
Max Target Detection Speed	60m/s	Operation Power	<1000W
Detection Range Accuracy	2m	Operation Voltage	AC 220V
Detection Angle Accuracy	0.5mrad	Operating temperature	-40~60°C
Target Locking Time	<4s	IP rating	IP66
AI Target Recognition Accuracy	98% (drone)		
Vision System	Visible Light & Infrared Thermal Imaging		

EO/IR Systems

Visible Light Lens Resolution	1920 × 1080 (FHD)
Focal Length of Visible Light Lens	6.5~312mm
Zoom Ratio of Visible Light Lens	48X
Infrared Lens Resolution	640×512
Infrared Lens Focal Length	75mm

Skyfend Tracker Pro Eye

SRP210

Tracker Pro Eye 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

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| <ul style="list-style-type: none"> ▪ 360° All-weather Large-scale Active Detection ▪ High-Precision Positioning Detection | <ul style="list-style-type: none"> ▪ Intelligent Recognition & Electro-Optical Fast Locking ▪ Payload Thread Identification |
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Radar Parameters

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