



TACTICAL
— SUPPLY PAKISTAN —

INTELLIGENT C-UAS SOLUTIONS

Products & Solutions



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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:** By utilizing radio detection equipment, operators can promptly detect and warn of drone threats. The rotating radar enables precise positioning and clear identification of the target's incoming direction, thereby providing effective guidance for countermeasures.
- **Jammer operator:** With the help of navigation spoofing technology, they can effectively respond to drones equipped with GNSS. In addition, combined with the integrable function of STP101 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, without strong signal interference under sighting conditions)
- **Radar:** FPV 7 inches: 650 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



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

PORTABLE Border Defense



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, 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 decoding:** 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



Precise situational awareness



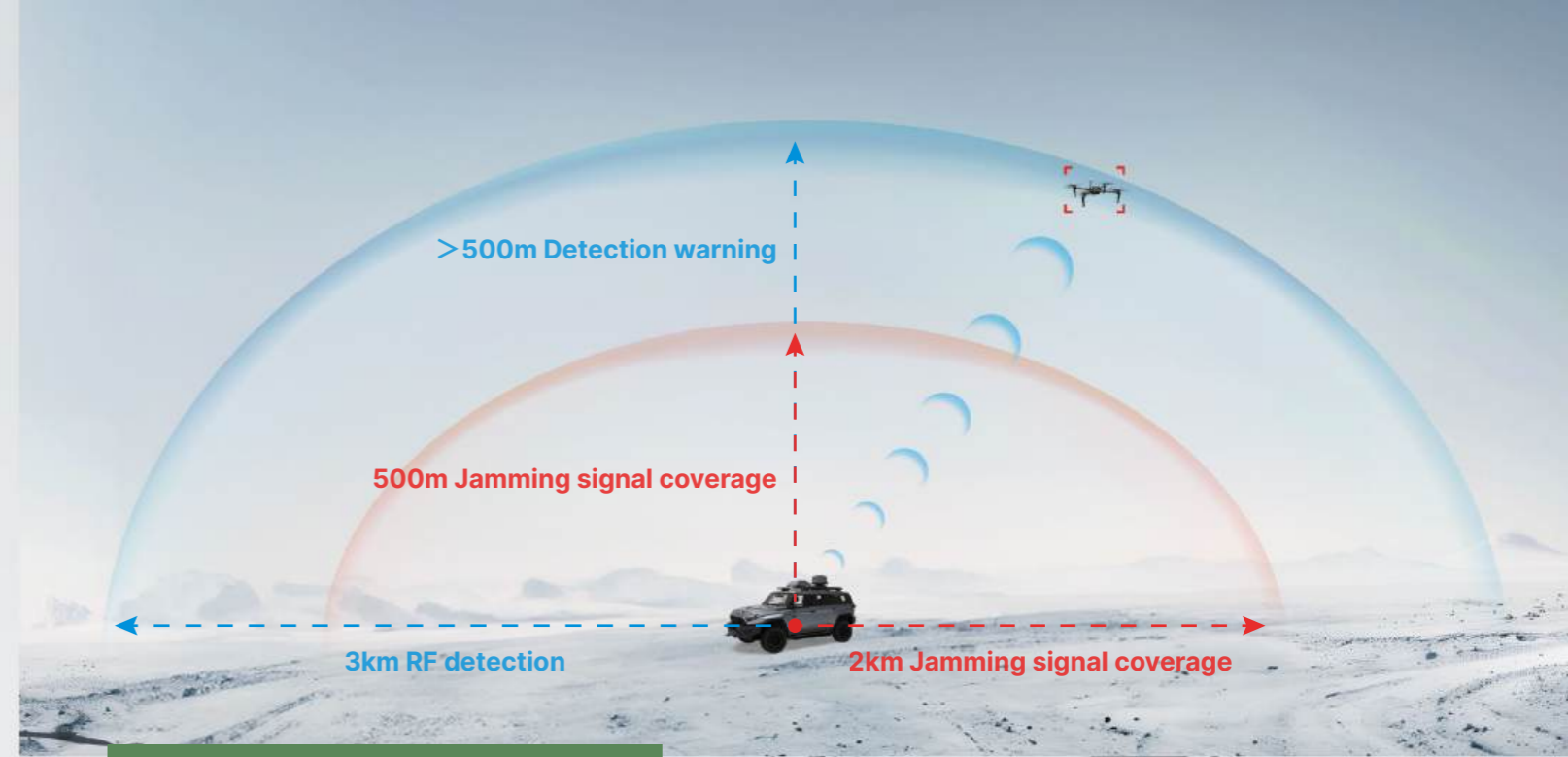
24/7 unmanned surveillance and protection



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.






INTRODUCTION

The Skyfend vehicle-mounted C-UAV system consists of Tracer V and Hunter V, 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

 <p>Efficient Protection</p>	 <p>Comprehensive Defense</p>	 <p>Flexible Configuration</p>
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VEHICLE-MOUNTED C-UAV SYSTEM





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.

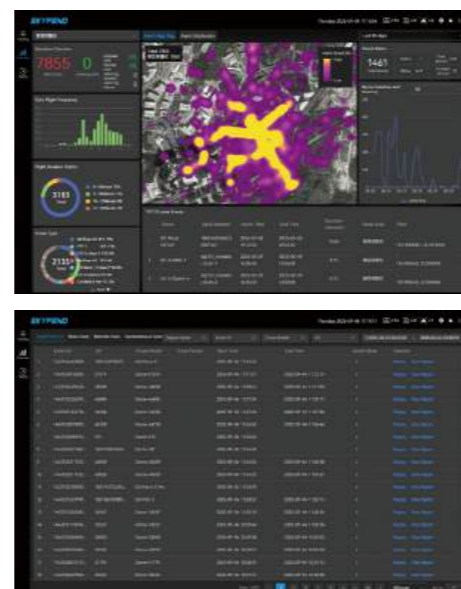
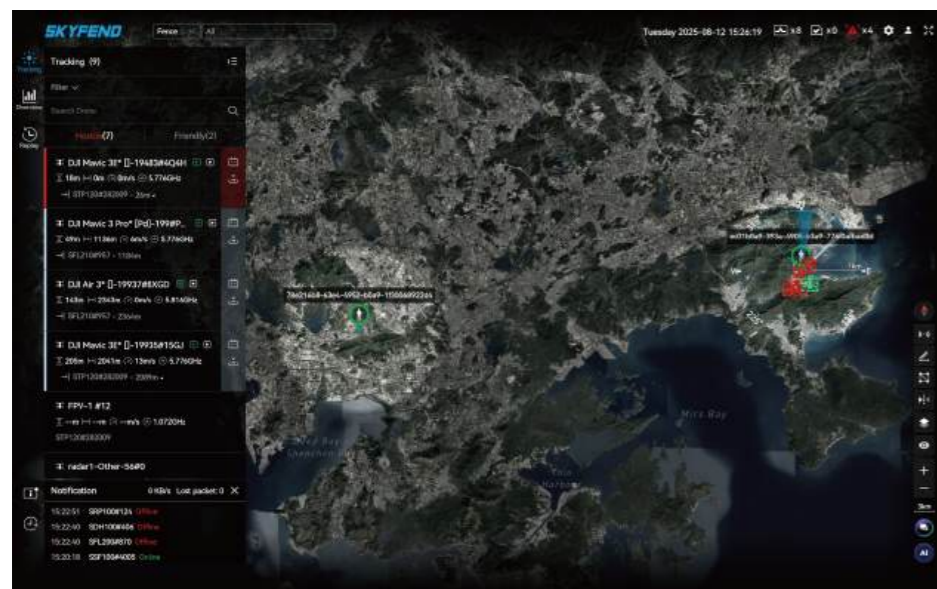
Driven by AI-based multi-source data fusion, it supports connections to thousands of devices with second-level response times. The system enables multi-layered defense capabilities including electronic jamming, spoofing, laser interception, and drone countermeasures.

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 can be deployed privately or on the cloud, offering an integrated, intelligent solution for multi-domain management.

Features

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



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.

PC model: Tailored for fixed-site operations, it supports 24/7 unattended monitoring, ensuring continuous operation around the clock.

Tablet model: Designed for mobile and portable use, 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
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Features

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





Hunter Lite

SPS100/SPS110

Hunter Lite is a portable jammer against UAVs. 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 UAVs.

Features

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

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

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

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

Hunter

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
- Upgradable Device Library
- 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

Dimiension (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



Hunter 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, 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



Hunter 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, 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

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





Tracer

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

Spectrum Detection

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, Matekeye, RXC, SpeedyBee, iFlight, etc.
FPV Flight Control	TBS, ELRS, Foxeer, etc.
Video Interception	RushFPV, Matekeye, RXC, TBS, SpeedyBee, PandaRC, iFlight and other analog video transmission models.

Protocol Decoding

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

Basic Parameters

Dimensions	240*89*75mm (folded)
Weight	1100±50g
User Feedback	Haptic /Audible /Visual Flash
IP Rating	IP65
Operating Temperature	-20°C~+55°C
Nominal Voltage	11.55V
Nominal Capacity	9000mAh
Operating Time	≥5h



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Tracer 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. STP120 employs RF signature recognition technology to detect and issue real-time alerts for non-cooperative drones that do not emit standard broadcast signal.

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

Spectrum Detection: ≥ 3 km; Protocol Decoding: ≥ 3 km; (Based on DJI Mavic 3 SRRC mode, line-of-sight conditions, no strong signal interference)

Detection Frequency Bands

Spectrum: 0.4~6 GHz; Primary monitored channels: 800~900 MHz, 1.2 GHz, 2.4 GHz, 5.2 GHz, 5.8 GHz; Protocol: 2.4 GHz / 5.8 GHz

Refresh Rate

<3s

Simultaneous Drone Detection Capacity

≥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

Operating Temperature Range

-30 ~ +70°C

Storage Temperature Range

-40 ~ +70°C



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Tracer Air

STA100



Tracer & Max 4T

STP100 / Max 4T

The drone pilot location solution aims to address the detection of drone operators in scenarios without broadcast protocols (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		Flight platform	
Dimensions	112*122*55mm	Dimensions	1205*980*278mm (unfolded with propellers) / 455*263*248mm (folded without propellers)
Weight	707.5g	Weight	6.63kg (with battery, gimbal, radio detection module, propellers)
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)	Max. load	1.8kg
Typical model	DJI: Mavic series, Air series, Mini series; Autel EVO Lite series, Max series, and EVOII series	Max. flight speed	20m/s
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)	Max. flight time	32min
Interference source localization	4km (based on omnidirectional interference equipment, amplifier output power 20W, in unobstructed line-of-sight environment, without strong signal interference)	Image transmission distance	>6km
Directional detection angle accuracy	≤3° (RMS)		
Qty. of drones that can be detected simultaneously	≥6		
Operating temperature	-20 ~ +50°C		
IP rating	IP65		
Total power consumption	≤20W		
Power supply mode	USB Type C power supply		

The Tracer 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 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		Max 4T drone	
Detection model	All DJI models, and drones with RID broadcast signals (including O4 image transmission drones)	Image transmission distance	20km
Detection range	3km (omnidirectional)	Max. horizontal flight speed	23m/s
Detectable frequency band	2.4GHz / 5.8GHz	Max. flying altitude	4km
Refresh rate	<3s	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



Tracer 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 with RID broadcast signals; Models from Autel, FIMI, Parrot, and others
Detection Range	Spectrum detection: ≥3 km; Protocol decoding: ≥3 km; (Based on DJI Mavic 3 SRRC mode, line-of-sight conditions, no strong interfering signals.)
Detection Frequency Bands	Spectrum detection: 0.4–6 GHz (Primary monitored channels: 433 MHz, 868 MHz, 915 MHz, 1.2 GHz, 1.4 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	>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

Rayer

DEC100

Rayer is a high-precision UAV neutralization system that employs directed energy to damage small, low-altitude drones. Designed for rapid deployment and integration into layered defense architectures, it provides effective countermeasures against unauthorized UAVs. Equipped with a radar-guided aiming unit, Rayer detects, tracks, and identifies aerial threats in real time. Once a threat is confirmed, it performs fast locking and precision engagement to minimize collateral damage and risk.

Features

- Efficient Detection
- Continuous Defense Capabilities
- Precision Engagement
- Cost Effective

Model	Rayer-DEC100
Effective Neutralize Distance	>500m (@Visibility>10km, RCS>0.01m ²)
Detection Distance	>1.5km (@Visibility>10km, RCS>0.01m ²)
Tracking Accuracy	≤15urad (RMS)
Azimuth	-175° ~ +175°
Pitch	-10° ~ +60°
Maximum Angular Velocity	>30°/S
Angular Acceleration	>60°/S ²

Weight	<43kg
Dimensions	ATP: 320*370*470 mm Rayer: 457*334*172mm Battery: 396*216*130mm
Power Supply	Battery-Powered, DC 125V
Cooling Method	Active cooling (fan-based)
IP Rate	ATP: IP66 Battery: IP66 Primary Power Unit: IP64



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Tracker 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	Small Racing Drone: 650m; Micro Quadcopter: 1.1km; Large Multirotor: 1.8km; Large Fixed-wing Aircraft: 3km; Commercial Airliner: 5km (Full Range); Pedestrian: 2km; Vehicle: 3.5~4km
Radar Detection Range	Drones, commercial aircraft, birds, humans, vehicles
FOV	Horizontal: 360°, Vertical: 0°~90°
Speed Range	0~60m/s
Distance Accuracy	2m
Angle Accuracy	0.03°
Target Lock-On Time	< 4s
AI Target Recognition Accuracy (UAVs)	>98%
Weight	<58kg
Dimensions	920*920*440mm
Operating Power	<1000W
Operating Voltage	AC 220V
Operating Temperature	-40°C~+55°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	5 ~10@TAS; 200@TWS
Airspace Scan Time	2s
Target Update Rate	100ms

EO/IR Specifications

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

*Note: Some identification functions require visual aids.



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Tracker Eye Pro

SRP210

Tracker Eye Pro is a wide-range active detection system that integrates Tracker Pro phased-array radar and long-focus electro-optical detection technology. It features a comprehensive "Detect-Guide-Identify-Track" capability. The radar performs omnidirectional wide-area target detection, while the electro-optical system automatically guides and tracks the target, providing precise guidance and full visualization. Designed for large-area protection scenarios where radio detection fails, it offers all-weather hemispherical early-warning capabilities.

Features

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

Radar & EO / IR Specifications

Radar Detection Range	3.5km (Mini Racing Drone); 5km (Micro Quadcopter); 7km (Large Multirotor); 9.5 km (Human); 12~15km (Vehicle)
Recognizable Targets	Drones, commercial aircraft, birds, humans, vehicles
Field of View (FOV)	Horizontal: 360°, Vertical: 0°~90°
Speed Range	0-100m/s
Distance Accuracy	7m
Angle Accuracy	0.03°
Target Locking Time	<4s
AI Target Recognition Accuracy	>98%
Weight	<150kg
Dimensions	650*650*900mm (including mast)
Operating Power	<1500W
Operating Voltage	AC 220V
Operating Temperature	-35 ~ +55°C
IP Rating	IP66

Radar Parameters

Operating Frequency Band	X Band, 9.2~9.8GHz
Scanning Method	Active Electronically Scanned Array
Blind Zone	≤200m
Target Capacity	500
Airspace Search Time	3~6s
Target Refresh Cycle	3~6s

EO/IR Parameters

Visible Light	Image Resolution	1920*1080(FHD)
	Field of View	31.14°*19.4°--0.56°*0.34°
	Lens Focal Length	F12.3mm-800mm
Thermal Imaging	Continuous Optical Zoom	65X
	Image Resolution	640*512
	Field of View	20.56°*15.48°~4.12°*3.11°
	Lens Focal Length	F30mm-150mm
	Continuous Optical Zoom	5X

*Note: Some identification functions require visual aids.



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Spotter

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

Radio Frequency (RF) Detection Module

Detection Frequency Band	Spectrum: 0.4~6GHz Protocols: 2.4GHz, 5.8GHz
Detection Range	Spectrum: ≥5km (DJI Mavic 3, SRRC); Protocols: ≥3km (DJI Mavic 3, SRRC) ; Note: Line-of-sight, in an environment free of electromagnetic interference
Refresh Rate	≤2s
Direction Finding Accuracy	≤3° (RMS)
Direction Finding System	2D Multi-baseline Phase Interferometer
Blacklist/Whitelist Function	Supported

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	≤20m
Detection Angle Range	Horizontal: 360°; Vertical: 45°
Number of Tracks	5 ~10@TAS; 200@TWS
Speed Range	0-60m/s

Visual Detection Module

Detection Range	>1000m
Detection Mode	Visible Light; Thermal Imaging
Focal Length	Visible Light: 12.8~800mm; Thermal Imaging: 30~150mm
Field of View (FOV)	Horizontal: 360°; Vertical: -60° to 90°



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Sentry

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 enhanced 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
- Intelligent Adaptive Countermeasures, Efficient Closed-Loop Control
- AI-powered Smart Decision-Making, Accurate Recognition and Classification
- Rapid Deployment, Coverage of Multiple Critical Scenarios

Radio Frequency Module

Frequency Range	0.4 ~ 6 GHz
Detection Radius	≤5 km (spectrum) / ≤3 km (protocol)
Interference Radius	≤3km
Identification Parameters	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	≤500
Electro-Optical Identification Range	≤5km (Standard Small UAV Targets)
Target Lock Time	<4s
AI Recognition Accuracy	>98%

Navigation and Jamming Module

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



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