

# PRODUCTS & SOLUTIONS

INNOVATION  
FOR A  
SAFER  
WORLD





## OUR COMPANY

Founded in 2020,  
SkyFend Technology is a global leading provider of C-UAS solutions.

As a national high-tech enterprise, our company is committed to technological innovation in electronic countermeasures. We possess top-notch, proprietary core technologies and a competitive advantage in terms of industry-leading talent. We are building a comprehensive, all-weather countermeasure system for various C-UAS scenarios.



PORTABLE



## Introduction

SkyFend's portable solution is specifically designed for versatile application scenarios that demand high flexibility and mobility in drone jamming. This solution brings forth a host of capabilities:

- Mitigate the threat of unauthorized drones to prevent long-range detection and attacks. The system promptly issues alerts within a 2km radius, leading to a controlled crash.
- Safeguard against DIY FPV suicide attempts by issuing early warnings that empower users to take proactive measures. Additionally, the jammers can induce controlled crash preemptively.

## Specifications

- Detection: 2km RF detection
- Jamming: 1.5km (customizable full-band coverage)
- Spoofing: 2km GNSS spoofing
- Weight: approximately 15kg

## Benefits



Wearable  
compact design



Seamless integration  
of data visualization



Capable of precisely  
directing drones to  
crash or land



Enables wireless  
networking for  
multiple devices



## Introduction

SkyFend's fixed solution is a fully automatic anti-drone system that protects fixed locations from UAV intrusion without manual operation. It is suitable for government buildings, events, prisons, etc. The jammer with a Pan-Tilt platform can autonomously detect, orient, and neutralize unauthorized UAVs. The user log will be automatically and periodically transferred to the users for convenient review.

## Specifications

- Detection: 2km RF detection
- Jamming: 3km (400MHz~6GHz full-band coverage, including DJI, Parrot, Skydio, FIMI, etc.)
- Installation: Horizontal fixation

## Benefits



Flexible deployment



Efficient to most drone models

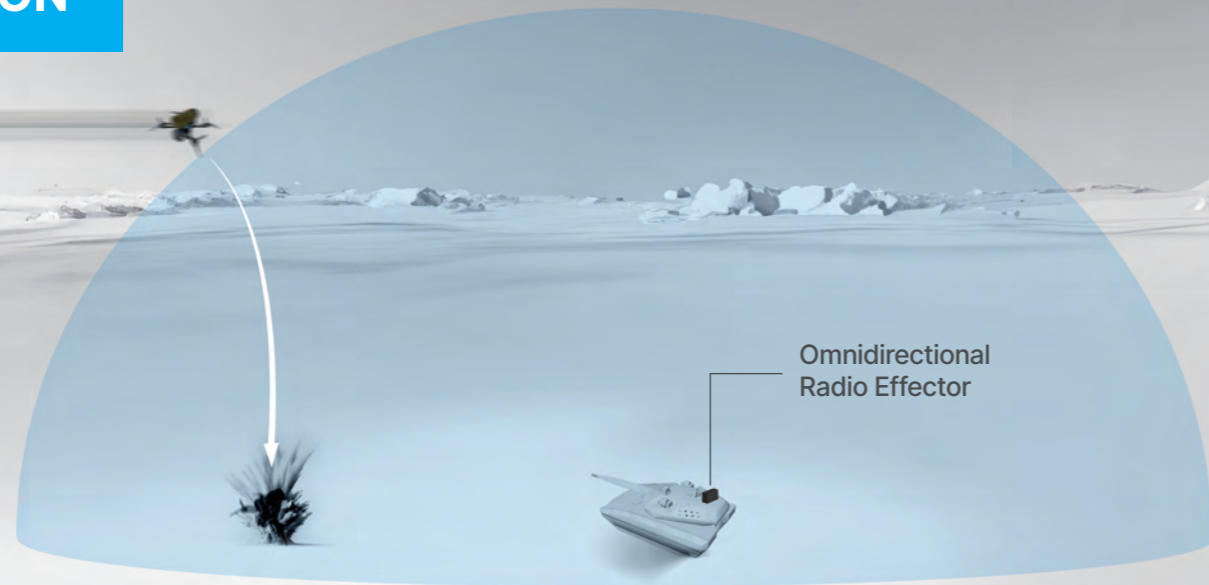


24/7 unattended protection



User logs feedback

## SOLUTION



## Introduction

To ensure the safety of vehicles during movement, it is necessary to neutralize the drones within a designated range. SkyFend provides an omnidirectional radio effector, purposefully designed for quick installation on vehicles. It creates an invisible defense barrier that disrupts the flight control and video transmission signals of intruding drones, particularly FPVs.

## Specifications

- Jamming Frequencies: 868MHz/ 915MHz/ 1.3GHz/ 2.4GHz/ 5.8GHz
- Weight: ≤20kg
- Power: 100W per frequency

## Benefits



Easy installation



Establish an omnidirectional protection zone



Powered by the vehicle's electrical system, ensuring uninterrupted operation



Automatic jamming without manual operation

# VEHICLE BASED

# INNOVATION FOR A SAFER WORLD.



## SkyfendBlader

SPS100

Blader is a portable jammer for UAVs. Featuring countermeasures for UAV flight control, map transmission, and GNSS bands, it can repel drones or force them to crash to solve the threat of rogue UAVs.

### Features

- Efficient Jamming
- Integrable with Spoofer
- Low SWaP-C
- Upgradable Database

## SkyfendHunter

SHH100

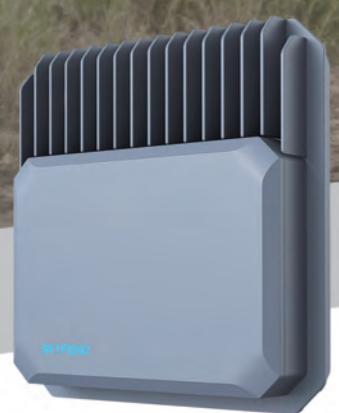
Hunter is a cost-effective, versatile handheld jammer that can detect, identify, locate, and mitigate drone threats. Hunter delivers exceptional effectiveness against the majority of types and models of UAVs. It possesses the capability to simultaneously disrupt the control link, navigation and video transmission of multiple drones. Hunter revolutionizes mitigation technology with its sleek and all-in-one design, enabling precise RF and GNSS jamming. With its compact form factor and user-friendly interface, Hunter is the ultimate counter-drone solution for various scenarios, including event security, VIP protection and energy facility security.

### Features

- Long Range Protection
- Mitigate Most SUAV Threats
- Upgradable System
- Versatile Touch Screen
- Frequency Band Adaptation
- Remote System Diagnostics

<p><b>HARDWARE</b></p> <p>Dimensions (mm) 795 × 100 × 304</p> <p>Weight (kg) 4</p> <p>Jamming Time (min) 30</p>	<p><b>JAMMING</b></p> <p>Range (km): 1.5</p> <p>FoV Azimuth: ±15° Pitch: ±10°</p> <p>Frequencies 868MHz / 915MHz / 1.2GHz / 1.4GHz / 1.6GHz / 2.4GHz / 4.95GHz / 5.2GHz / 5.35GHz / 5.6GHz / 5.8GHz</p> <p>The expansion module enables the expansion of arbitrary frequency bands.</p>	<p><b>OTHERS</b></p> <p>Temperature Range Operating temperature (°C) -20 ~ +55</p> <p>Storage temperature (°C) -20 ~ +60</p> <p>User Logs: Supported</p> <p>IP Rating: IP65</p>
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<p><b>HARDWARE</b></p> <p>Dimensions (mm) : 778 × 337 × 113 (LxWxH)</p> <p>Weight (kg) : 6.5</p> <p>Operation Time (hr) Detection : ≥ 8 Jamming : ≥ 1</p> <p>Touch panel : 3.5", 1,280 × 720</p>	<p><b>JAMMING</b></p> <p>Maximum Range (m) : 3,000</p> <p>Signals Jammed : Flight Control and Image Transmission Signals</p> <p>GNSS Signal Interference : Covers the global satellite positioning signal types, e.g. GPS, GLONASS, BeiDou, Galileo.</p> <p>Frequencies : 400MHz~6GHz</p> <p>Customizable Full-Band Coverage</p> <p>Automatic Frequency Adaptation : Supported</p> <p>FoV Azimuth: ±15° Pitch: ±7°</p>	<p><b>POWER</b></p> <p>Power Supply : Rechargeable Battery</p> <p>Accessories : Battery x2, Charging Base x 1, Adapter x 1, Power Cable x 1</p> <p>Voltage (V) : 21.8</p> <p>Capacitance (WH) : 152.6</p> <p><b>OTHERS</b></p> <p>Software Update : Supported</p> <p>Temperature Range Operating Temperature (°C) : -20 ~ +55</p> <p>Storage Temperature (°C) : -20 ~ +60</p> <p>IP Rating : IP65</p> <p>Available Modes : Handheld/Fixed</p>
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## Skyfend Defender

SDH100

Defender is a compact and cost-effective K-band FMCW radar that provides close-range surveillance for land, sea and air applications. It's ideal for portable scenarios and high-value target defense, such as government buildings, official residences and prisons. It utilizes advanced environmental perception and target recognition algorithms to deliver rapid target detection and deployment capabilities.

### Features

- Lightweight Deployment
- Modular Integratable Design
- Omnidirectional Protection
- Low False Alerts
- Easy Setup
- Data-Rich C2 System Integration

## Skyfend Tracer

STS100/STP100

Tracer is a portable UAV detector that effectively receives, analyzes and processes the radio signals of a wide range of UAV models. There are two Tracer models for various scenarios. Tracer P can swiftly determine the exact locations of UAVs and pilots by analyzing wireless signal protocol layer information, without causing any interference to wireless communication devices within the protected zone.

In scenarios where UAV protocols are deactivated or inaccessible, protocol analysis becomes impractical. Tracer S utilizes spectrum detection technology for the comprehensive coverage of various UAV models. It enables the detection and precise orientation of a wide range of UAV models, surpassing the limitations imposed by the unavailability of UAV protocols.

### Features

- Locate Both Drone and Pilot
- Wide Frequency Coverage
- No RF Emission
- Additional Antenna for 5km Range
- C2 System Intergration
- Protocol Analysis/Spectrum Detection Alternative

<p><b>SWaP</b></p> <p>Dimensions (mm) : 210×215×64</p> <p>Weight (kg) : 2.5</p> <p>Power (W) : 85</p> <p>Power Supply (V) : 18~32</p>	<p><b>PERFORMANCE</b></p> <p>Detection Range (m) &gt;1,000 (SUAV) / &gt;2,600 (Human) / &gt;4,600 (Vehicle)</p> <p>Distance Accuracy (m) : 2</p> <p>Distance Resolution (m) : 3</p> <p>FOV Azimuth: 120° Elevation: 40°</p> <p>Angular Accuracy Azimuth: ±1.0° Elevation: ±3.0°</p> <p>120°Az x ±20°Ei Airspace Search Time (s) : ≤1</p> <p>Tracking Qty : 5~20 (TAS) 200 (TWS)</p> <p>Track Target Update Rate (Hz) : 5~20</p> <p>Speed Range (m/s) : ±50 or 120 (based pattern)</p> <p>Speed Accuracy (m/s) : 0.6</p> <p>Speed Resolution (m/s) : ≤0.9</p> <p>Identification Capabilities : Rotor UAV / Fixed Wing UAV / Birds</p>	<p><b>RELIABILITY</b></p> <p>Operating Temperature (°C) : -40 ~ +55</p> <p>Storage Temperature (°C) : -55 ~ +95</p> <p>IP Rating : IP67</p> <p>Drop Resistance (m) : 2</p> <p>Upgrade : OTA Supported</p>
<p><b>RADAR SYSTEM</b></p> <p>Frequency (GHz) : 24.05~24.25</p> <p>Scanning Method : AESA</p> <p>Waveform : FMCW</p> <p>Tracking Method : TWS / TAS</p> <p>Interface : Gigabit Ethernet / Wireless</p>		

<p><b>HARDWARE</b></p> <p>Body without Antenna (mm) : 222 × 85 × 45</p> <p>Antenna (mm) : 200 × 3</p> <p>Weight (g) : 1,000 (battery included)</p> <p>User Feedback : Haptic / Audible</p>	<p><b>TRACER P(STP100)</b></p> <p><b>Protocol Analysis Version (Drones with Remote ID or Drone ID Module)</b></p> <p>Capability Pilot Positioning and Drone Info Acquisition (latitude and longitude coordinates, elevation, velocity, yaw angle, model, serial number, and operator location)</p> <p>Models ■ DJI ■ Parrot ■ Skydio ■ PowerVision ■ HUBSAN ■ FIMI</p> <p>Detection Time(s) : &lt; 3</p> <p>Trackable Qty : &gt; 30</p> <p>Omni-Direction Range (km) : 2</p>	<p><b>TRACER S(STS100)</b></p> <p><b>Spectrum Detection Version</b></p> <p>Capability Drone Detection and Drone Info Acquisition (model name, frequency band, orientation)</p> <p>Models ■ DJI ■ Parrot ■ Skydio ■ PowerVision ■ HUBSAN ■ FIMI</p> <p>Detection Time(s) : &lt; 3</p> <p>Omni-Directional Antenna Range (km) : 2</p> <p>Frequency : 868MHz / 915MHz / 2.4GHz / 5.2GHz / 5.8GHz</p> <p>Directional Antenna (optional) Range (km) : 5</p> <p>Frequency : 2.4GHz/5.2GHz/5.8GHz</p> <p>Angular Accuracy : ≤ 10°</p>
<p><b>BATTERY</b></p> <p>Standard Voltage (V) : 12.96</p> <p>Weight (g) : 400</p> <p>Dimensions (mm) : 38 × 82 × 102</p> <p>Battery Life (hr) : 5 (battery replacement within 10s)</p> <p>Operation Temperature (°C) : -20 ~ +60</p>		
<p><b>OTHERS</b></p> <p>IP Rating : IP65</p> <p>Operation Temperature (°C) : -20 ~ +55</p>		



## SkyfendSpoofer

SSL100

Spoofers are advanced GNSS navigation spoofing devices engineered explicitly for UAVs. Their primary purpose is to enforce area denial, redirect drones to predetermined orientations and manipulate their flight paths to designated locations. When combined with radar, spectrum detection devices and jammers, it can cause drones to crash or force them to land at appointed locations.

### Features

- All Frequency Coverage
- High Success Rate
- Quick Response
- Ease of Use

### HARDWARE

Dimensions (mm)  
 470 × 406 × 204 (body without antennas)  
 540 × 406 × 204 (antennas retracted)  
 840 × 406 × 204 (Antenna deployed)  
 Weight (kg): 8.5  
 Radius of Antennas (mm): 33  
 Power (W): ≤ 60  
 Start-up Time(s): < 10

### SPOOFING

Frequencies  
 GPS: L1, GLONASS :G1, Galileo E1, BeiDou: B1  
 Signal Power (W): ≤ 5  
 Effective Range: Customization  
 Time Synchronization Accuracy(ns): < 50  
 Signal Intrusion Time (s): ≤ 5  
 Success Rate: 100%  
 Spoofing Accuracy(m): < 30  
 Time interval between two spoofings (s): 0

### OTHERS

IP Rating: IP65  
 Power Supply  
 Battery-powered & 220V AC powered  
 Operation Time (hr): 3  
 Operation Temperature (°C)  
 -30 ~ +60



## SkyfendGuider

SGA100

Guider C2 software offers an intuitive and feature-rich software platform, providing C-UAS awareness and reporting capability. Supported by sensor fusion, computer vision, edge computing, machine learning and artificial intelligence, Guider integrates radars, detectors and jammers, consolidating their data into a display. It is always on alert, ensuring round-the-clock monitoring of drone threats and effectively mitigating human error.

### Features

- Intelligent Data Integration
- 24/7 Real-Time Alert
- 3D Situational Awareness
- One-to-Many Control
- Friend-or-Foe Identification
- Upgradable System

