

**Detect  
Identify  
Track  
Mitigate**



# **Skycope Technologies**

**Smart & Autonomous  
Next-Generation Counter-Drone Technology**

Product Information | July 2023



国内販売店

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# SkyEye

## Industry Leading Performance

### Features

#### 1. Up to 35km detection range

- Verified by Canadian DND via field testing
- Customizable detection range: 1km 3km 5km 10km
- 360 degree full airspace coverage
- Early warning and fast detection

#### 2. The most extensive drone library

- 330+ models of drones, remote controllers, FPVs, and telemetry devices
- Growing on a monthly basis by a team of experts
- Supports variety of wireless protocols and RF modulation

#### 3. AI powered

- AI for detecting new and unknown drones not covered in the library
- Fast and memory efficient edge computing

#### 4. High accuracy: near zero false alarm

- Identification of drones with electronic fingerprint
- Differentiation between friend and foe

#### 5. Easy deployment

- All-in-one, and lightweight
- 5-minute setup on a tripod or a vehicle
- Dynamic cloud deployment for multi-site coverage
- Multi-access anytime from anywhere and any device: smartphone, tablet, or a computer

#### 6. Customized spectrum visualization and analysis

- Data capture: for analysis, verification and knowledge transfer
- Recording of detection data: for day-to-day record keeping, detection time stamps, forensic evidence, future analysis

#### 7. Seamless system integration

- Easy and seamless integration with other counter-drone detection and mitigation technologies
- Comprehensive API support for 3rd party integration
- Central and distributed monitoring
- Easy system upgrade : online or offline

### Specs

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| <b>Weight</b>                    | 9.5kg                                             |
| <b>Dimensions</b>                | 318mm (diameter)<br>294mm (height)                |
| <b>Power</b>                     | 100V ~ 240V                                       |
| <b>Dynamic range</b>             | 70dB                                              |
| <b>Ingress Protection Rating</b> | ≥IP66                                             |
| <b>Operating temperature</b>     | (-25±2)°C to (+55±2)°C                            |
| <b>Detection Methodology</b>     | Passive detection of radio frequency (RF) signals |
| <b>Detection Range</b>           | Up to 35KM radius                                 |
| <b>Frequency Bands</b>           | Consumer and commercial ISM frequencies           |



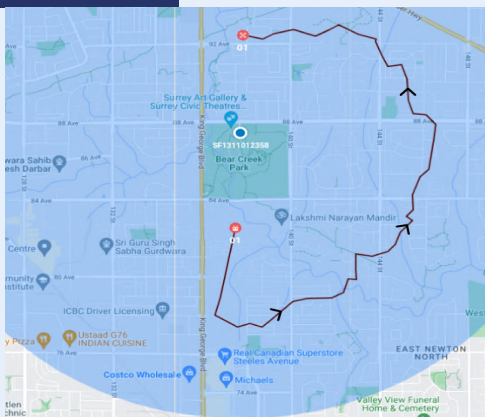
SkyEye in a rugged carry case



# SkyTracker

Pinpoint Accuracy in the Sky

## Features



| SkyTracker                              | VS                                                                                           | AeroScope G8                |
|-----------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------|
| DJI + Remote ID + Parrot + other drones | Supported drone brands for geolocation                                                       | DJI Only                    |
| All major vendors                       | Support for non-DJI and DIY drones                                                           | No, DJI Only                |
| Yes                                     | Detect direction(bearing) for non-DJI drones                                                 | No                          |
| Yes                                     | Identification of artificially forged signals (Fake Aeroscope /gps broadcast by a RF device) | No                          |
| Yes                                     | Able to detect DJI's non-Aeroscope products.                                                 | No                          |
| Yes                                     | Capacity to upgrade to detect new drones                                                     | No                          |
| The best on the market                  | Detection range                                                                              | Was the best (discontinued) |
| 2.4GHz, 5.2GHz & 5.8GHz                 | Detection frequencies                                                                        | 2.4GHz & 5.8GHz             |
| -25 to +55° c                           | Operating temperature                                                                        | -20 to +40° c               |
| IP66                                    | IP rating                                                                                    | IP54                        |

## All in One

- Geolocation on **DJI Drones** + Parrot + Some other drones
- Direction finding on **non-DJI drones**
- Detection on All major vendors and **DIY Drones**

## Specs

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Weight                    | 9.5kg                                             |
| Dimensions                | 318mm (diameter)<br>294mm (height)                |
| Power                     | 100V ~ 240V                                       |
| Dynamic range             | 70dB                                              |
| Ingress Protection Rating | ≥IP66                                             |
| Operating temperature     | (-25±2)°C to (+55±2)°C                            |
| Detection Methodology     | Passive detection of radio frequency (RF) signals |
| Detection Range           | Upto 35 KM radius                                 |
| Frequency Bands           | Consumer and commercial ISM frequencies           |



SkyTracker in a rugged carry case



# SkyCore

The Smallest AI Super-Powered  
CUAS Platform

## Features

### 1. Smallest & the most powerful

- Skycore is the world's smallest and most powerful ai supercomputer uav detection system
- Customized to provide the easiest, fastest and most economical integration platform
- For any counter-drone product manufacturer and service providers

### 2. Flexible customization

- Skycore can help our partners quickly launch their customized counter-drone products that fit their business demands
- No need to worry about ongoing update cost
- Make your own counter-drone product with our market-leading performance standards

### 3. Flexible integration with counter-drone devices

- Integrate with detection devices, such as radar, camera and video surveillance systems, acoustic sensors, etc.
- Integrate with interception and jamming devices for drone interdiction and threat mitigation

### 4. Customized product design

- Customized small backpack counter-drone product design

### 5. Market-leading hardware

- Built on Nvidia's Xavier, the World's Smallest AI Supercomputer
- Powerful SDR Processing: supports a broad Radio frequency range 70M-6G, covering most licensed and unlicensed bands

### 5. Long-term software upgrades

- Support long-term cutting-edge counter-drone technology and customized signal awareness features
- The user interface and interaction are simple, straightforward and open

## Powerful Detection



#### Extensive Library

Coverage 300+ models of drones and remote controllers



#### AI at Work

Detecting unknown and new drones not covered in the library



#### Electronic Fingerprints

Differentiate between friend and foe



#### High Accuracy

The detection has near zero false alarm

## Specs

**Detection Range** Up to 10KM radius

**Weight** 600 g

**Dimensions** 155 mm (width)  
118 mm (height)  
35 mm (depth)

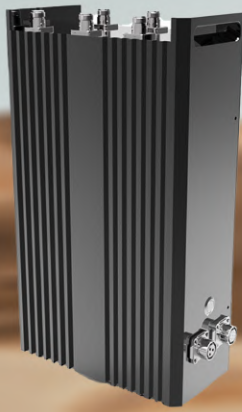
**Frequency Bands** Consumer and commercial ISM frequencies

**Power Supply Mode** 12V or 24V DC

**Scanning Frequency Resolution** ≤100Hz

**Dynamic Range** 70dB

**Minimum Frequency Bandwidth Detectable** 100Hz



# SkyGuard

Smart And Powerful

## Features

### 1. Hyperlink to SkyEye

- Combination with near zero false alarm and iff (identification friend or foe) capability in skyeye

### 2. Smart & Autonomous

- SkyGuard can provide 24/7 autonomous defence operations

### 3. Multiband Support

- SkyGuard supports consumer and commercial ism frequencies

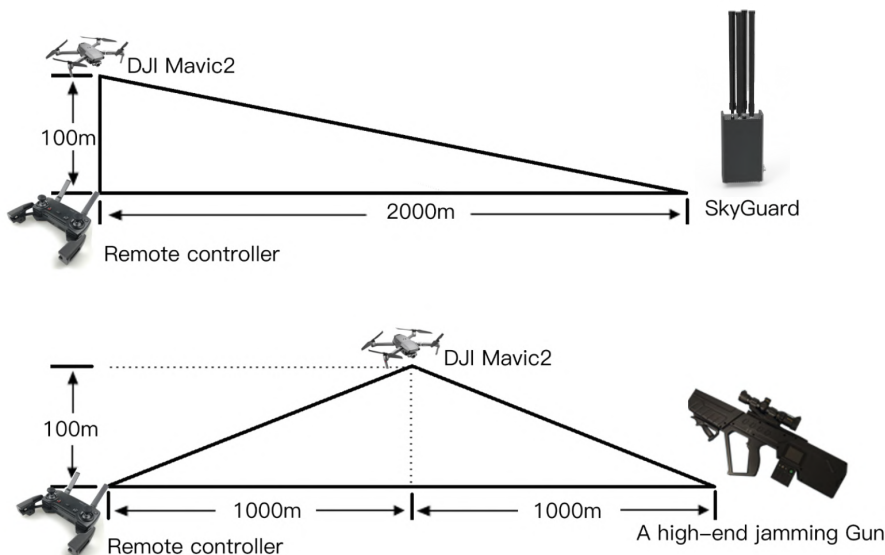
## Specs

|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| <b>Defense Range</b>         | Up to 3 km radius                                   |
| <b>Weight</b>                | 12 kg                                               |
| <b>Dimensions</b>            | 120 mm (width)<br>405 mm (height)<br>240 mm (depth) |
| <b>Defense Angle</b>         | Full 360 degrees, all airspace                      |
| <b>Operating temperature</b> | -20°C to 60°C                                       |
| <b>Power Supply</b>          | AC 100 ~ 240W                                       |
| <b>Frequency Bands</b>       | Consumer and commercial ISM frequencies             |

## Disclaimer

SkyGuard Jammer (the "Devices") have not been authorized as required by the Radiocommunication Act (R.S.C., 1985, c. R-2) and related Regulations in Canada. Skyclope may not sell or lease the Devices in Canada, other than to the RCMP (Royal Canadian Mounted Police) and Military, its agencies, and its properly delegated representatives until such authorization is obtained.

For users outside Canada, Laws limiting the availability of the "Devices" to certain types of users may apply in other jurisdictions, Skyclope may facilitate the sale or lease the Devices to parties only in compliance with the applicable laws. If you want to purchase or lease the Devices, Skyclope may need to verify your authorization first, and Skyclope may outsource the manufacturing and customization of the Devices outside Canada.



SkyGuard is more powerful than any other jamming device for the counter-drone purpose.

When the drone is close to its remote controller, the controller signal power at the drone is higher than the jammer's power, making the jamming device ineffective. However, this is not the case with SkyGuard's powerful defensive capability. **No matter how close the drone and its remote controller are, the user will rest assured.**

SkyGuard's Jammer-to-Signal (J/S) Ratio exceeds 20:1.\*

\*tested on DJI MAVIC 2 (CE/SRRC/MIC standards)

# World Leading Counter-Drone Technology

## About Skyclope

Founded in 2016, Skyclope Technologies Inc. is a high-tech security company based in Vancouver, Canada, that provides the most advanced counter-drone solutions. Our technology can safely and effectively detect, identify, locate and neutralize rogue drones to prevent them from posing security threats in unauthorized areas.

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Skyclope reserves the right to modify specifications without notice. Purchase of the equipment is subject to export licence approval.

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