



- DroneShield offers versatile solutions of comprehensive [C-UAS \(Counter-Unmanned aerial system\)](#).
- We provide mission essential capabilities and provide solutions to current Counter drone solutions.
- Focusing on Radio Frequency sensing, Artificial Intelligence Machine Learning, Sensor Fusion, Electronic Warfare, Rapid Prototyping and MIL-SPEC manufacturing , the products can be integrated into our own Command-and-Control solution or **fully interoperable with third-party platforms** for both Government and commercial systems.

# SECTORS



Law Enforcement



Maritime and Vessels



Military



Oil, Gas & Mining Facilities



Prisons & Correctionals



Airports



Corporations



Events, Stadiums & Venues



Executive Protections & VIPs



Government Agencies



Infrastructure, Energy & Utilities

## AI-Powered protection against a wide range of improvised threats...

DroneShield provides Artificial Intelligence systems for **C-UAS** defense (e.g. Counterdrone protection) against a wide range of UAS threats. Our state of the art detection and counterdrone products aid your site and security forces against the significant and growing threats of UAS.



UAV

Unmanned Aerial  
Vehicles

UGV

Unmanned Ground  
Vehicles

USV

Unmanned Surface  
Vehicles

UUV

Unmanned Underwater  
Vehicles

## Best in Class Performance

DroneShield uses a **multi-layered** Artificial Intelligence-based solution for both detect and defeat, with smart, non-kinetic defeat.



Monitoring

Artificial Intelligence Driven,  
Sensor Fusion



Detection

RF (Radio Frequency), Radar, Acoustic,  
Optic and Thermal Sensors



Defeat

Intelligent, Responsive  
Soft and Hard Kill

# C-UAS Solutions

DroneShield provides a range of stand-alone portable products and rapidly deployable fixed site solutions for counterdrone defence.



## Dismounted and Handheld

High performance, handheld portable C-UAS solutions for field awareness and rapid targeted threat response.



## On-the-Move

Vehicle compatible [C-UAS solutions](#) for active situational awareness and threat response for mobile missions.



## Base Protection

Fixed site C-UAS systems for long range automated awareness, protection and monitoring of local airspace activity.

## DRONESENTRY X- Mk2



**Wide-Area, Multi-Mission Detection and Defeat**

## FEATURES IN A NUTSHELL

**DroneSentry-X Mk2** is a software-defined detection and adaptive disruption system. The DroneSentry-X Mk2 is suitable for mobile operations, field expedient pop-up, and fixed-site protection. It is a cost-effective solution with both detect and optional defeat capability within a single self-contained platform.

### Features:

- \* Designed to be deployed in harsh environments, the DroneSentry-X Mk2 can be mounted to standard vehicle roof racks, on military vehicles, surface vessels, and unmanned mobile platforms
- \* It can also be deployed as a permanent or fixed site install on standard tripod masts or towers, and supports local or remote operations.
- \* Supported by a web-based User Interface (UI) that enables operators to view real-time analytics of local detection activity with map overlay, while supporting user-defined options for either automatic or manual disruption
- \* Uses proprietary AI/ML driven detection engine ensures the DroneSentry-X Mk2 is effective and constantly evolving in a rapidly changing threat environment.
- \* Compatible with Drone Locator technology ( Drone shield product) providing mission-critical information such as drone and controller coordinates, altitude and velocity in real-time
- \* Protected from Cyber threats

# Features



## Integrated Detection and Defeat

Dual capability built into one unit



## Robust and Ruggedized

Designed to meet military durability standards, with resistance to shock and vibration



## GNSS Disruption

Disrupt UAS navigation capability for UAV leveraging satellite navigation or pre-planned guidance



## RFAI Software Updates

Quarterly software updates provided for software-defined detection and defeat capabilities to stay ahead of emerging threats



## Control Tablet

Provided with a ruggedized tablet to support quick access and enhanced visualization



## FPGA and Software Defined Radio Technology

Learn more about [FPGA](#)



# Advantages

## ▸ Open Architecture and Integration

Ready to integrate APIs with various data output options

## ▸ Mission Adaptable Modular Platform

Multiple hardware and software configurations to match the requirements of the mission and support customization

## ▸ Integrated Detection and Defeat

Dual capability built into a single unit with simultaneous multi-band receive and transmit

## ▸ Hemispheric Coverage

Full hemispheric detection capability with directional (cardinal) bearing target identification

## ▸ Durable

Designed to meet military durability standards, with resistance to shock, weather and UV exposure

## ▸ Cost Effective Solution

Lower cost, dual-use capable solution compared to other mobile and fixed site solutions

# Operational Use Cases

## Deployment Options for Military/Maritime Operators

The DroneSentry-X Mk2 requires minimum training required for effective deployment and operation and is compatible with the following:



Vehicle



Ship



UGV



Building  
Rooftop

## Authorized Law/Security Agencies/Infrastructure & Utilities

The DroneSentry-X Mk2 is a robust, mobile solution that can be used for site and perimeter defence, VIP events, crowd and border protection. It offers targeted digital disruption for limited collateral effect, whilst presenting no civilian alarm.

# Specifications

## Performance

Detection and disruption on UAS (e.g. drones) operating on consumer and commercial ISM frequencies

## Product Specifications

<b>Output and Integration</b>	Audio + Visual alerts via UI JSON, gRPC, TAK compatible
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## Environment and Installation

<b>Mounting</b>	Compatible with most commercial roof-racks Suitable in permanent and temporary mast installations
<b>Dimensions</b>	710 x 710 x 532 mm (28" x 28" x 21") - antenna mounted height
<b>Weight</b>	46kg (101 lbs) - including brackets
<b>Operating Temperature</b>	-20°C to +55°C (-4°F to +131°F)
<b>Ingress Protection</b>	Rated to IP67

## Shipping

<b>Packaging</b>	Ships in a wooden crate
<b>Dimensions</b>	1300 x 900 x 900 mm (51.18" x 35.43" x 35.43")
<b>Total Shipped Weight</b>	110.0kg (242.51lbs)

## Warranty

12 months from date of shipment.  
Longer warranty available on request



FOR VIDEO OF DRONESHIELD SentryMK-2  
Click the link below

<https://vimeo.com/948143017>

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