Flexible Solutions for Various Counter-UxS Missions

Enhanced Detection and Defeat – Multi-Sensor Approach:

Radio Frequency (RF)

Radar

Smart Disruption

Electro-Optics & Computer Vision

DroneGun Mk4

The DroneGun Mk4 is a rugged, handheld C-UxS effector that provides users with a compact and rapid response countermeasure capability. Highly effective against a wide range of UxS types and models, it can disrupt the control, navigation and video of multiple drones simultaneously.

- **Effective Range:** Up to 1km
- **Battery Life:** >1 hour
- **Weight:** 3.2kg / 7lb (including battery)
- **Disruption Frequencies:** Covers wide range of ISM and GNSS frequency bands
- **NATO Stock Number:** 5865-66-167-4802

RfPatrol Mk2

RfPatrol Mk2 is a lightweight drone detection device. This highly compact and durable device provides the user with real-time awareness of nearby drone threats.

- **Detection Range:** 4km+ radius (low RF environment)
  1-2km radius (high RF environment)
- **Battery Life:** 10+ hours
- **Weight:** 1.2kg / 2.6lb (including antenna and battery)
- **Detection Frequencies:** Detects on multiple ISM bands as standard
- **NATO Stock Number:** 5865-66-167-4795

DroneSentry-X Mk2

DroneSentry-X Mk2 is a software-defined detection and adaptive disruption system. Suitable for mobile operations, field expedient popup, and fixed-site protection, it is a cost-effective solution with both detect and optional defeat capability within a single self-contained platform. A detection only version is available for end users who are not permitted to operate a defeat device.

- **Detection Range:** Up to 3km
- **Disruption Range:** Up to 500m
- **Mounting:** Clamps to standard roof racks, military vehicles, surface vessels, unmanned mobile platforms, tripod masts and towers
- **Weight:** 46kg / 101lb (including brackets)
- **NATO Stock Numbers:** Detect Only: 5865-22-639-8187
  Detect & Defeat: 5865-22-639-8184

Enterprise Solutions for Counter-UxS

DroneSentry

DroneSentry is a modular, configurable, layered C-UxS solution that is ideal for both permanent and temporary installations, delivering unparalleled threat awareness for critical sites such as airports, corrections, infrastructure, and government facilities.

Incorporating DroneSentry-X Mk2, DroneSentry aggregates situational data via the addition of optional layers, including electro-optical (EO), infrared (IR), radar, edge computing systems, and mounting hardware for comprehensive detection and preparedness.
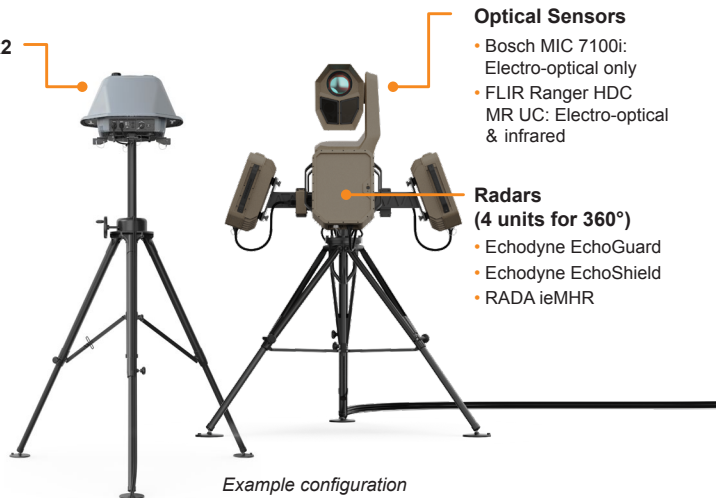
DroneSentry-X Mk2
• Detection

Optical Sensors
• Bosch MIC 7100i: Electro-optical only
• FLIR Ranger HDC MR UC: Electro-optical & infrared
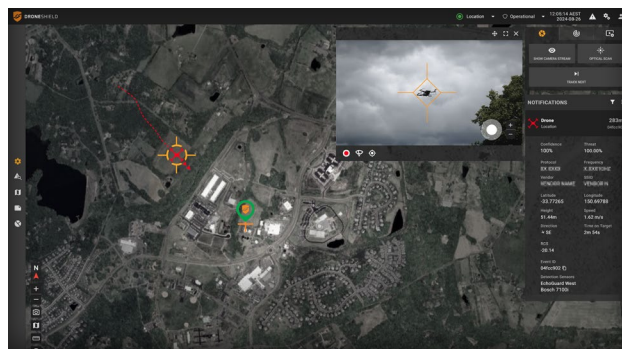
Radars (4 units for 360°)
• Echodyne EchoGuard
• Echodyne EchoShield
• RADA ieMHR

Example configuration

DroneSentry-C2

DroneSentry-C2 is a Command-and-Control software that displays an overview of all devices and detections, synthesising data for swift and informed responses. SensorFusionAI combines inputs from all connected DroneShield and third-party sensors. Available in both on-premises and cloud-hosted formats, DroneSentry-C2 offers advanced interoperability as a sensor-agnostic platform. It caters to smaller, local deployments or several multi-sensor sites working together or separately. In-built data streams and APIs facilitate integration into existing security systems and infrastructure, enhancing overall security efficacy.

The system can be supplemented with DroneOptID, an AI-powered optical detection, identification and tracking engine. This software assists operators to manually determine other characteristics about the drone including payload, modifications and effectiveness of active countermeasures to ensure the response matches the threat.

DroneSentry-C2 with DroneOptID optical tracking

DroneShield Access Portal

The Access Portal is a comprehensive online destination, accessible at any time. It provides one-click firmware updates for DroneShield devices, along with documentation, training materials and other resources.

Capabilities

DroneShield brings extensive experience across a variety of related technology spaces, including Electronic Warfare, Signals Intelligence and Machine Learning. DroneShield's offerings range from plug-and-play systems to bespoke modular solutions, tailored to meet specific user requirements.

✓ **Forward Leaning Technology:** Solutions that address current UxS threats, with demonstrated ability to evolve with and ahead of future threats

✓ **Strength of Engineering:** In-house subject matter expertise allows unrivalled speed of development and deployment

✓ **Robust Product Portfolio:** Strong industry partners to develop, deliver and support multi-mission C-UxS solutions

✓ **Training and Support:** DroneShield provides comprehensive end-user training and ongoing support