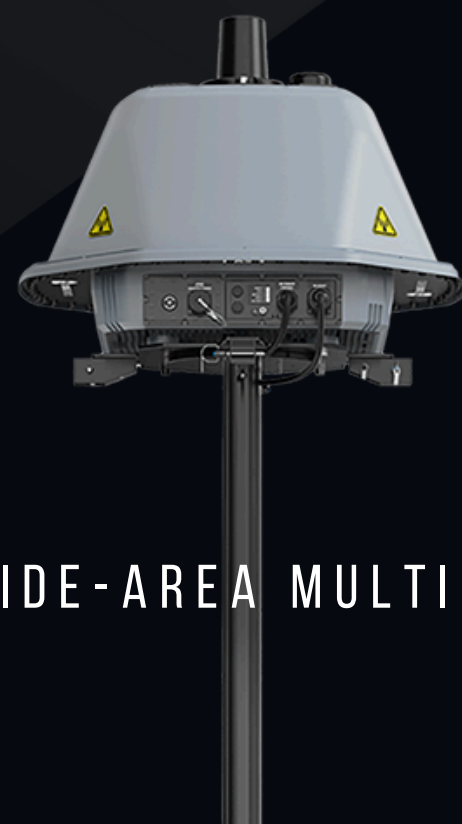
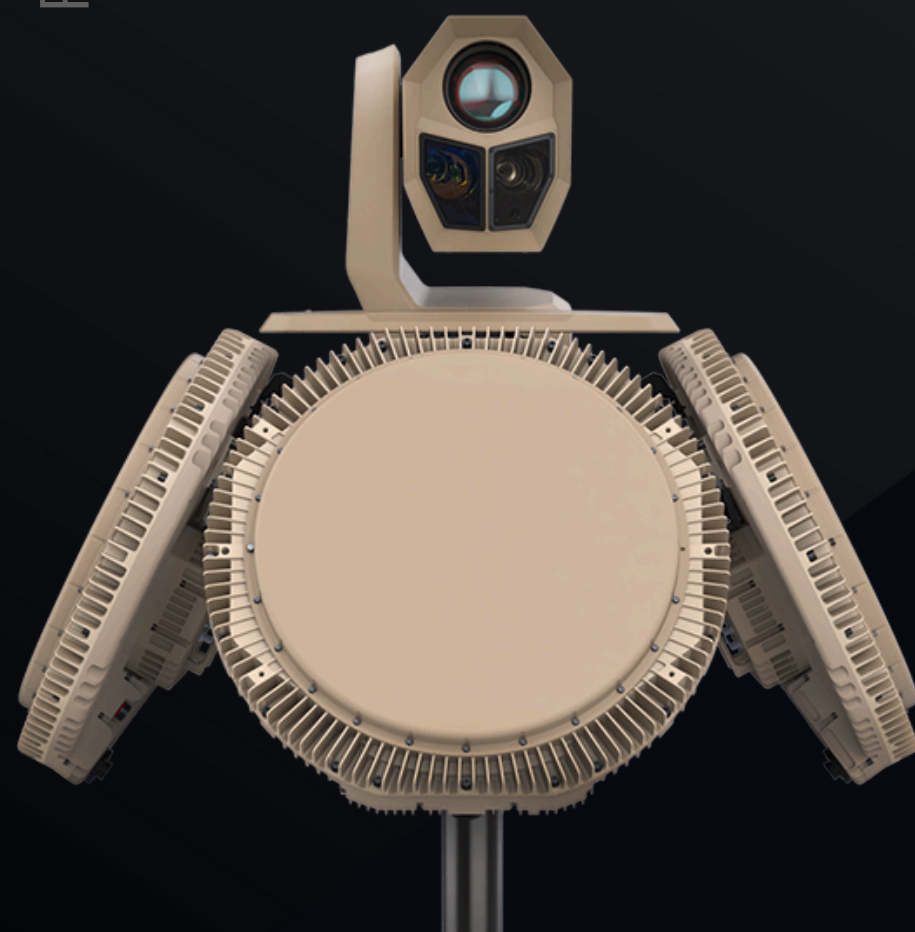




FUTURE

X-RADAR LONG RANGE

TECHNOLOGY



WIDE-AREA MULTI-MISSION DETECTION AND DEFEAT



X-Radar Long Range

Enterprise Autonomous Integrated Detection and Countermeasure (Portable or expeditionary ready – Tactical set up as seen in image)

A modular offering integrating EO/IR, RF, and radar sensors, edge computing systems, and software for a robust detection and countermeasure solution.



All -in -One: Detection and defeat in one package



Modularity: Leverages radars, RF and optical/thermal cameras for fixed site or semi-permanent operations



Real-time Situational Awareness: Combines situational data to deliver highly accurate information for automatic identification and response to UxS intrusions or threats



Features



Integrated Detection and Defeat

Dual capability built into one unit



Robust and Ruggedized

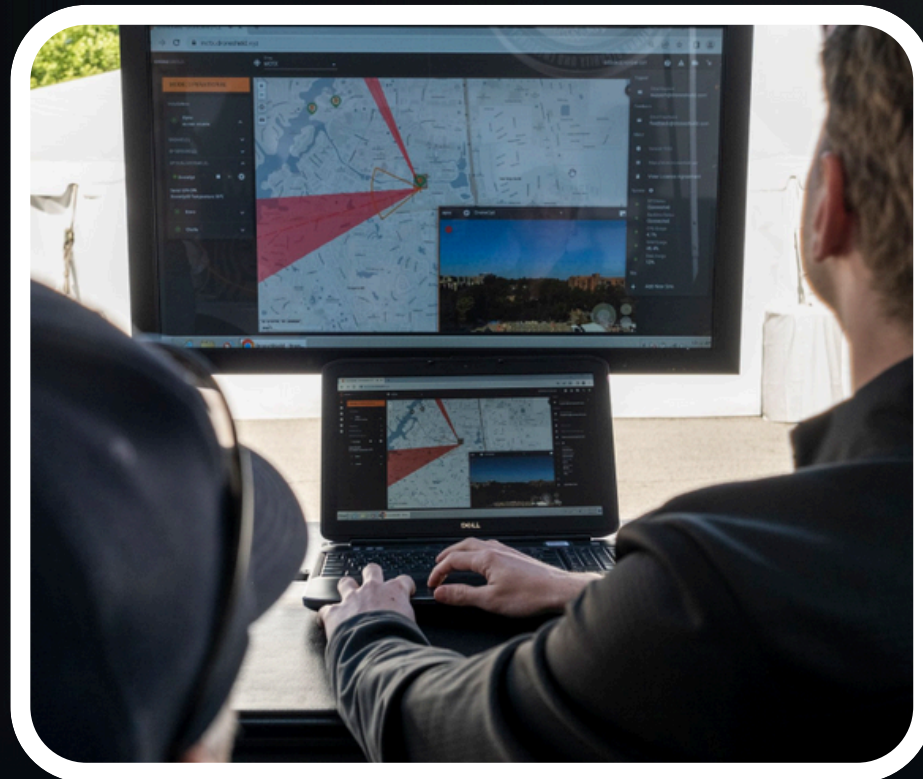
Designed to meet military durability standards, with resistance to shock and vibration



GNSS Disruption

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

Features



RFAI Software Updates

Quarterly software updates provided for both software-defined detection and optional 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

Advantages

Open Architecture and Integration

- Ready to integrate APIs with various data output options

Mission Adaptable Modular Platform

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

Integrated Detection and Defeat

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



Advantages

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 X-Radar Xk2 requires minimum training required for effective deployment and operation and is compatible with the following:



Vehicle



Ship



UGV



Building
Rooftop



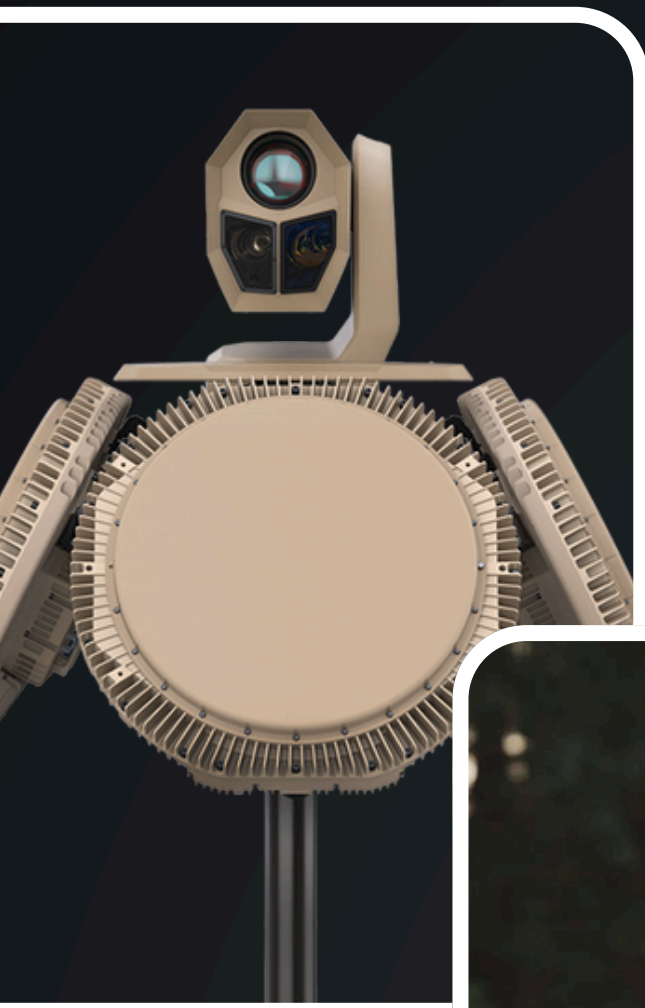
Operational Use Cases

Authorized Law / Security Agencies / Infrastructure & Utilities

The X-Radar Xk2 is a robust, mobile solution that can be used for site and perimeter defense, VIP events, crowd, and border protection. It offers targeted digital disruption for limited collateral effect whilst presenting no civilian alarm.



Specifications



Long Range

Compatible Products

- FLIR HDC Ranger UC optical sensor
- Echodyne EchoShield radars
- CompassOne
- ComputeNode
- Rugged Network & Power Hub

Edge Processors

Output

Operates in real-time in DroneSentry-C2 User Interface

Environment and Installation

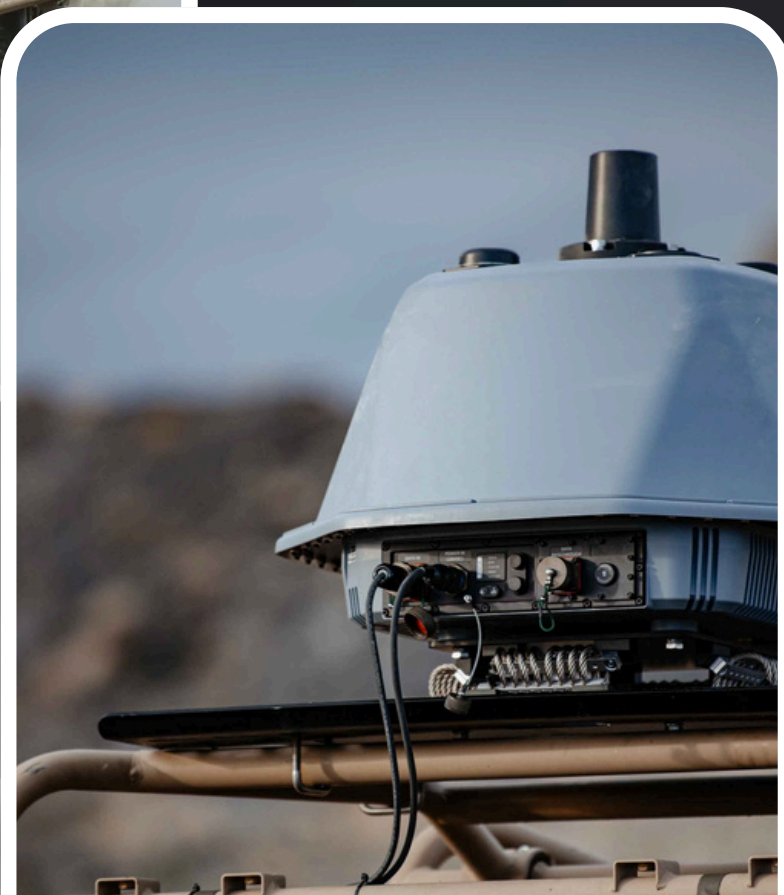
Ingress Protection

Rated to IP67
(DroneSentry-X Mk2, Radars, CompassOne, Cables)•
Rated to IP68 (Bosch MIC 7100i)

Mounting

Tripod or mast mountable

Specifications



Performance

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

Product Specifications

Output and Integration Audio + visual alerts via UI JSON, gRPC, TAK compatible

Product Specifications

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

Specifications



Environment and Installation

Mounting

- Compatible with most commercial roof-racks
- Suitable in permanent and temporary mast installations

Dimensions

710 x 710 x 532 mm / 28" x 28" x 21"
(Antenna-mounted height)

Weight

46kg / 101 lbs (including brackets)

Operating Temperature

-20°C to +55°C / -4°F to +131°F

Ingress Protection

Rated to IP67

Thank You



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