



FUTURE



X-RADAR XK2

TECHNOLOGY

WIDE-AREA MULTI-MISSION DETECTION AND DEFEAT



Introduction

X-Radar Xk2

X-Radar Xk2 is a software-defined detection and adaptive disruption system. The X-Radar Xk2 is suitable for mobile operations, field-expedient pop-ups, and fixed-site protection. It is a cost-effective solution offering both detection and optional defeat capabilities within a single self-contained platform.

Designed to be deployed in harsh environments, the X-Radar Xk2 can be mounted to standard vehicle roof racks, military vehicles, surface vessels, and unmanned mobile platforms. It can also be deployed as a permanent or fixed site installation on standard tripod masts or towers, supporting both local and remote operations.



X-Radar Xk2

Wide -Area Multi -Mission Detection and Defeat

Highly adaptable software -defined detection and adaptive disruption system.



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



Easy -to -Use: Auto-disruption capabilities



Adaptable Deployment: On -the -move, field expedient pop -ups, and fixed -site protection



Controlled Disruption: Targeted, non - kinetic digital disruption



Features



Integrated Detection and Defeat

Dual capability built into one unit



Robust and Ruggedized

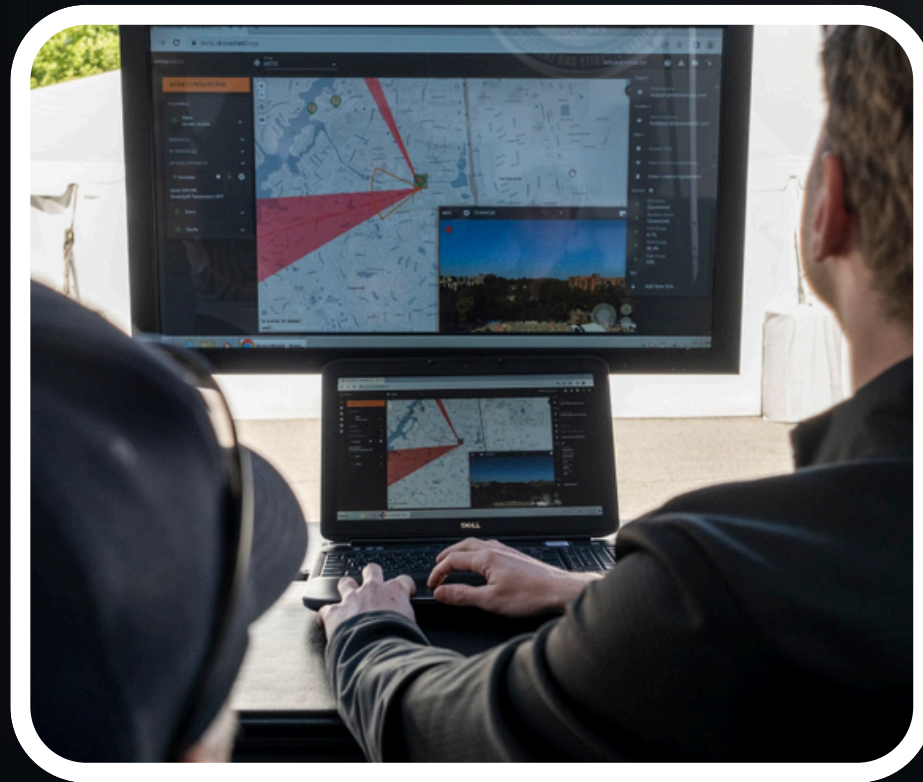
Designed to meet military durability standards, with resistance to shock and vibration



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



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



Address:

Fourth Floor, #1664,
27th Main, Sector 2,
HSR Layout, Bangalore



www.xboom.in



084478 31821



hello@xboom.in

GST No :

29CTKPS7090H1ZW