

CAPABILITY STATEMENT

Artificial Intelligence Enabled CUxS (Drone) Systems to Detect, Defeat, and Defend.
Systems deployed to protect Personnel, Base of Operations, and Critical Infrastructure.

IXI EW designs and manufactures artificial intelligence and machine learning enabled counter drone systems using RF receivers and transmitters. Systems are capable of integration with radar, optics, acoustic and other systems. IXI EW's systems detect and defeat drones in all environments and can be configured in directional or omni-directional configurations. Ranges up to 30 Kilometers.

Differentiators

- Systems of Systems Architecture for ease of integration
- Data fusion of RF, Radar, Optics, and IR information
- Mesh network operation as a hub or node
- 5G enabled systems with autonomous tracking
- Little to no interference with Comm., Nav., and SIGINT Systems
- Unique waveform analysis and generation techniques
- Field upgradeable systems
- Best value and performance in the industry

Capabilities

IXI EW is a design innovator in Electronic Warfare Systems. All systems are designed for the harshest environments and conditions in manned and unmanned configurations. Systems designs incorporate all known drone operating frequencies - 400MHz to 6.2GHz. Custom design avail.

Artificial Intelligence (AI) Integration:

- Intelligent Algorithms for Real-time Threat Detection, Adaptive Response Strategies, and Predictive Analytics

Counter-Unmanned Aircraft Systems (CUAS):

- Detect, Track, and Neutralize Unauthorized Unmanned Aerial Vehicles, Safeguarding Military Installations, Critical Infrastructure and Personnel

Integrated Solutions:

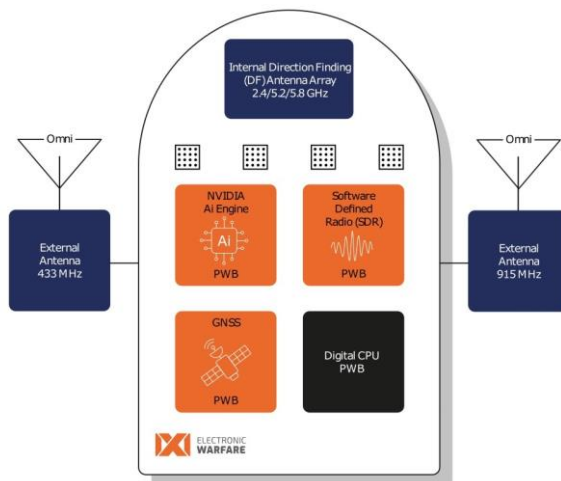
- Fully Integrated Electronic Warfare Systems combining RF Detection, RF Countermeasures, Radar, and Optics
- Software APIs for Integration with other Systems, Browsers, and TAK

Advanced Design Capability:

- Wide RF spectrum design of Receivers, Transmitters, (effectors) and Antennas
- Design of Software Defined Radios, and Beam Steering Assemblies
- Software, Firmware, FPGA, Digital, and Analog development
- Design of Displays, PCBAs, Enclosures, and Cables

Precision Manufacturing:

- Assembly and Test of PCBs, Antennas, Cables, Sub-Assemblies, and Systems



IXI EW AT A GLANCE

- Privately-held
- Corporate HQ in Yorba Linda, CA
- Cage code: 8BGR3
- TIN: 37-1874417
- Business size: Small Business Concern
- Quality System: AS9100D, ISO 9001:2015
- Workmanship Standards: IPC-A-610, IPC/WHMA-A-620 and J-STD-001
- ESD: ANSI S20.20
- 40,000 SQ Ft. - 23,000 of R&D, Admin, Sales and Marketing, 17,000 of Manufacturing
- SCIF: Available for Accreditation
- Made in the USA

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**ELECTRONIC
WARFARE**

DETECT / DEFEAT / DEFEND

Past Performance

N22A-T021-0266 – Prime Contractor Award for low-power electronics to use with PNT data to generate beam steering commands for use in maritime and land-based systems

DHS Dark / Swarm Demonstration 2023 – Demonstration of MUSIC ON® XL Long Range Fixed CUxS AI Based Detection and Defeat System with Integrated Radar Support.

McGuire Air Force Base – Prime Contractor Award for DRONEKILLER® Hand-Held CUxS Systems

ANTX – Coastal Trident 2023 – Testing of MUSIC ON® Mobile Medium Range CUxS Defeat System and Cadence XL Long Range CUxS AI Enabled Detection System on Mobile Platforms

ANTX – Coastal Trident 2022 – Testing of MUSIC ON® Long Range Fixed CUxS Defeat System and Cadence Medium Range CUxS Detection System on Maritime Platforms

India National Security Guard – Prime Contractor Award for DRONEKILLER® Hand-Held CUxS Systems

New Zealand Defense Force – Prime Contractor Award for DRONEKILLER® Hand-Held CUxS Systems

JCO Ground Based Aerial Denial and Handheld / Dismounted Systems Evaluation – Evaluation of DRONEKILLER® Hand-Held CUxS System and Cadence Lite Wearable CUxS Detection System

PM GBAD (PMM208) Dismounted Counter-small Unmanned Air Systems Capability Demonstration, 29 Palms - Demonstration of COUNTERPOINT® Rifle Mounted CUxS Jammer, CADENCE XS® handheld CUxS Detection System, and CADENCE XL® Long Range CUxS Detection Systems to USMC



NAICS Codes

- **334511 - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing***
- 334220 - Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
- 334290 - Other Communications Equipment Manufacturing
- 334111 - Electronic Computer Manufacturing
- 334112 - Computer Storage Device Manufacturing
- 334418 - Printed Circuit Assembly (Electronic Assembly) Manufacturing
- 334419 - Other Electronic Component Manufacturing
- 335314 - Relay and Industrial Control Manufacturing
- 334515 - Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
- 334519 - Other Measuring and Controlling Device Manufacturing
- 335999 - All Other Miscellaneous Electrical Equipment and Component Manufacturing
- 336413 - Other Aircraft Parts and Auxiliary Equipment Manufacturing
- 541511 - Custom Computer Programming services
- 541512 - Computer System Design Services
- 541330 - Engineering Services

**Primary*

Patents

- US 10,389,369 B1, Emulation of Communication Waveforms
- US 10,756,671 B2, Temperature Compensation for a Voltage Controlled Oscillator
- US 10,879,953 B1, Synchronous Multichannel Frequency Hopping of Modulated Signals
- US 11,018,626 B2, Temperature Compensation for a Voltage Controlled Oscillator (Add)
- US 11,095,298 B2, Fast Bandwidth Spectrum Analysis
- US 11,114,766 B1, Tapered Slot Antenna
- US 11,147,189 B2, Heatsink for Handheld Equipment
- US 11,336,027 B2, Filtering Proximity Antenna Array
- US 11,371,812 B2, Anti-Drone Weapon
- US 11,444,628 B2, Fast Bandwidth Spectrum Analysis (Add)
- US 11,552,644 B2, Fast Frequency Hopping of Modulated Signals
- US 11,557,833 B2, Corrugated Antenna
- US 11,562,831 B2, Wire Assembly in Close Proximity to Antenna
- US 16,746,939, Fast Bandwidth Spectrum Analysis