ELECTRONIC
WARFARE

DRONEKILLER® Counter-UAS Technology – Cost Effective – Rugged Design

The IXI DRONEKILLER® disables Unmanned Air Systems. Allows Defense and Security Forces to thwart criminals and enemy combatants use of drones for surveillance and direct attacks to drop bombs, grenades, and improvised explosive devices (IEDs) on fighting forces.

Can also be used to disable a drone being operated in restricted air space or when a drone is interfering with operations.

Current counter-UAS system technology includes radio frequency (RF) command and control (C2) disruption systems (e.g., “electronic fences”) and directed energy weapons. These systems protect forward operating bases, airports, and other strategic high-asset facilities. These large and stationary systems can't be used where mobility is crucial. In addition, UAS threats are more prevalent at the front lines, at small checkpoints and outposts, and remote areas where convoys, dismounted war-fighters, and security personnel are on missions detached from well-established command and control and air defense assets.

The IXI DRONEKILLER® is a light-weight, small, cost effective portable counter-UAS unit ideal for Defense and Security teams deployed World-Wide. The IXI DRONEKILLER® adds counter-UAS capabilities to mobile forces unable to use large heavy systems that require added power sources. The IXI DRONEKILLER® is able to be deployed from inside light vehicles or by dismounted war-fighters and security response teams in mobile units, strike teams, at checkpoints and forward outposts. Mobile units with the IXI DRONEKILLER® provide gap-filling coverage and pursuit capabilities that complement larger, more costly fixed-location automated UAS defense systems.

PRODUCT OVERVIEW

- Works with C2 link and/or GPS, forcing targets to descend or go home
- Compact and lightweight; compatible with defense & security personnel load out
- Fast to use (<3 seconds), train (<1 minute), and deploy with near-zero sustainment
- Rugged “security personnel-proof” no-snag polymer body & operator features
- RF sensor detects WPAN/LAN activity and night/dusk/dawn targeting aid
- LED settings: night-time ultra-dim to medium light to direct sunlight bright
- Cost effective

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Applications

The IXI DRONEKILLER® is ideal for Warfighters and Security Personnel requiring Anti-UAS technology.

- Warfighter Protection

  Mobile units - Strike Teams - Security Response Teams
  Convoys - Checkpoints – Outposts - Remote Facilities
  Tracking drones back to point of origin

- Security Personnel

  VIP protection - Anti-Surveillance - Terrorism

Deployment Examples

One or more IXI DRONEKILLER® units deployed per mobile team or convoy (lead and rear) operating in regions having uncontrolled airspace would provide an umbrella of UAS protection.

In fixed locations having automated counter-UAS electronic fence systems, deploying the IXI DRONEKILLER® can fill in any gaps identified in the system that are affected by line of sight or physical obstructions. This type of deployment would fill gaps in protection coverage, extend spots of range, and provide pursuit and takedown capabilities beyond the immediate radius of coverage.

Upon detecting unknown UAS activity, a IXI DRONEKILLER® unit can disable a UAS within a few seconds.

The IXI DRONEKILLER® is easy to use and requires minimal training and practice by an operator to disable a UAS.

TECHNICAL SPECIFICATIONS

Physical Configuration

- Effective range up to 1,000 meters
- Size: 25" L x 9" H x 4.3" W
- Weight: 8.5lbs. fully configured
- Compact PDW-style bullpup compatible with existing warfighter/security personnel load-out
- Picatinny rail top and bottom
- Ambidextrous standard sling points

IXI DRONEKILLER® BANDS

- 433 MHz
- 915 MHz
- 2.4 GHz
- 5.2 GHz
- 5.8 GHz
- GPS L1/ GLONASS/ GPS L2 (Optional)

RF Sensor Configuration

- Senses RF energy within 30 degree cone
- Range up to 800 meters

Environment & Power

- -10 to +40° C operation, -40 to +85° C storage
- PEC 5/5 blown fine particulate and water spray
- Drop shock, vibration, thermal cycle and shock
- 2 hours in active mode
- Rated 6 hours continuous “sensor mode” operation
- Rechargeable swappable Li-Ion battery and auxiliary 12V vehicle power plug for extended use
- Integrated charging circuit accepts 10-19VDC input