RAFAEL
ADVANCED DEFENSE SYSTEMS LTD.

SMART AND TO THE POINT.



HUNTER EAGLE™

Advanced UAS Interceptor

Precision Drone Neutralization

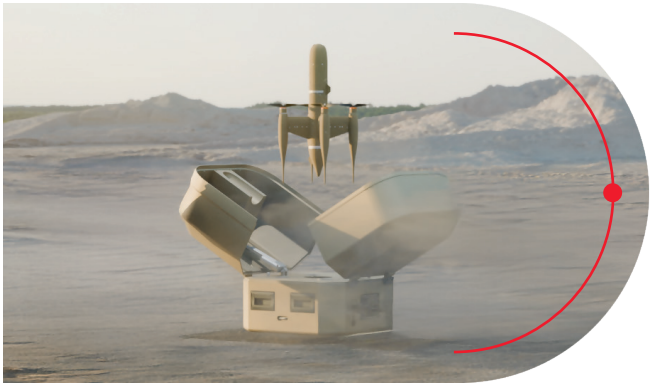
In an era where unmanned aerial systems (UAS) pose increasing threats to national security and critical infrastructure, RAFAEL introduces HUNTER EAGLE – part of its multilayered C-UAS Family.

Designed for dynamic threat environments, HUNTER EAGLE is a revolutionary, fixed-wing interceptor that counters drones and swarms with precision, speed, and autonomy. Built for high readiness, rapid deployment and seamless integration, it empowers defense forces with a powerful, reliable, and cost-effective solution.

Benefits

- Versatile deployment across various terrains and altitudes, as well as urban & battlefield scenarios
- Scalable defense against individual threats and swarm scenarios
- Robust communication via encrypted RF links and mesh networking
- Safe operation and deployment with non-explosive materials
- Operates deep into contested areas
- Lightweight, low signature
- Compatible with C2 systems, seamless integration
- Cost-effective – Electrically powered, modular components for low maintenance





Advanced Technologies for Dynamic Environments

HUNTER EAGLE is a lightweight, electrically-powered interceptor with a high-speed, low-signature trajectory optimized for short-range interceptions of fast-moving single and swarm UAS. It is ideal for defense of tactical assets, point defense, or convoy protection.

Missions are executed autonomously with minimal operator input. Surveillance is provided through the system's real-time reconnaissance and coordinate transmission, with target identification and image relay enabled by an advanced optical seeker.

The Ground Control System (GCS) can manage up to 10 interceptors simultaneously. HUNTER EAGLE can operate deep into contested zones. The inert, hit-to-kill warhead enables safe, accurate defeat of aerial threats in urban and high-risk environments without collateral damage. The system is compatible with C2 systems.

System Components

- Interceptor Unit: RF Communication Channel, Optical Seeker System, Main Mission Computer, Modular Battery and Propulsion System
- Launcher with Umbilical Connector: Battery Management System
- GCS: Mission Manager Computer, Display Unit (supports up to 2 operators), Ground Transmitter Unit.

Main Capabilities

- Autonomous navigation
- High-speed maneuverability
- Intercepts fast-moving targets
- Supports vertical climbs and aggressive dashes
- Real-time reconnaissance & coordinate transmission
- Advanced optical seeker
- Manages up to 10 interceptors simultaneously

Technical Specifications

- Weight: ~5 kg
- Length: ~730 mm, Diameter: ~ 630 mm
- Speed: Loitering 70 m/s, End-game 110 m/s
- Flight Duration: ~20 minutes
- Seeker: 2-axis optical seeker with bolometric camera
- Communication: RF uplink/downlink with mesh and encryption
- Material: Magnesium and aluminum, non-explosive
- Launcher: Sealed, reloadable with RF shielding

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