

MagniXor

Military loitering munition drone



Up to
1Kg
Warhead

15km
Range

Up to
60min
Endurance

MTOW
<5kg

Targets



In today's rapidly evolving battlefield, engaging high-value, time-sensitive targets demands speed, precision, and minimal risk to frontline forces, exactly what the compact, backpack-portable MagniXor loitering munition provides.

MagniXor serves as the final link in the sensor-to-shooter chain: an autonomous, seek and strike solution that combines real-time target acquisition and immediate engagement while keeping the operator in the decision loop. Built for deployment at the tactical edge, the system offers soldiers a ready-to-fly capability that excels in dense urban and complex terrain.

Elbit Systems™

C4I and Cyber

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MagniXor combines advanced autonomy with lethal precision, delivering more than 30 minutes of endurance and the capability to engage priority targets at ranges of 10-15 km. Its modular warhead neutralizes light vehicles, infantry, and other high-value threats, while autonomous navigation, SLAM mapping, and onboard AI analytics classify and track targets with precision.

Man-in-the-loop control ensures strikes can be aborted or redirected at any stage. Designed for rapid deployment and intuitive operation, it integrates with encrypted command-and-control (C²) networks, teams with other unmanned systems, and is engineered for future swarm capability.

Key Advantages

- **Autonomous loitering munition:** AI-guided seek-and-strike with operator-in-the-loop control and abort/return capability.
- **Programmable proximity and impact fuze:** configurable for fragmentation, armor-piercing or thermobaric effects.
- **Military-grade avionics:** redundant sensors and GNSS/GPS-denied navigation capability for contested environments.
- **Embedded safety mechanisms:** electronic safe-and-arm device allows safe transition between armed and disarmed modes.
- **Networked C² integration and swarm readiness:** AES-encrypted datalink supports multi-vehicle teaming and future swarm operations.
- **Flexible deployment:** supports backpack-carried launch, vehicle-mounted pods or fixed installations, offering cost-effective versatility across mission profiles.

Technical Specifications

Parameter	Description
Typical operational altitude (AGL)	10-2000 ft.
Range	10km/15km omni/directional antenna
Operational speed	0-90km/h
Maximum altitude (ASL):	12,000 ft.
Maximum Takeoff Weight	5kg
Data link	L/S-Band & LTE (optional)
Payload weight / endurance	250g payload: 60 minutes 1.5kg payload: 30 minutes*
Compliance	MIL-STD-810F

* Warhead+EO/IR payloads



Elbit Systems C⁴I and Cyber

2 Hamachshev St., Netanya 4250712, Israel

E-mail: C4icyber.info@elbitsystems.com www.elbitsystems.com

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