

Magni-X

Micro multi-rotor SRR platform



Part of the Robotic Autonomous combat Solution (RAS), the Magni-X VTOL (vertical takeoff and landing) micro-UAS is a fully autonomous military multi-rotor platform with a sophisticated close-range observation system. Suited for a wide range of missions and applications, the Magni-X is specially designed for Short Range Reconnaissance (SRR) and for the urban arena, providing day and night intelligence imagery powered by advanced AI algorithms for tactical combat units.

The Magni-X military grade FCC (flight control computer), along with powerful HW processing capability and unique navigation solutions, makes it ideal for intelligence applications in hostile environments.

Magni-X is powered by the NEVO – advanced mission software that provides the operator with all the necessary flight data and real-time video images to enable effective execution of the mission. The NEVO provides support from early stage of flight plan, speed and altitude, throughout mission stages, routes, takeoff / landing sites (before and during the mission) and target coordinates.

The capability to autonomously execute the mission, enables the operator to focus on monitoring the targets by controlling the payload on the NEVO.

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Key Features

- Dominion™-X compatible
- MIL-STD-810G
- NDAA certified
- TRL9 platform
- Fully autonomous tactical UAS
- Military grade FCC (flight control computer)
- Classification and object tracking capability using advanced AI algorithm
- Object detection and obstacle negotiation capability
- GNSS denied environment capabilities
- Advanced and immune data link using antenna diversity scheme
- Very low radar and acoustic signature



Operational Advantages

- Advanced tactical combat suite supporting rapid deployment
- Agile flight control and precision landing
- Onboard computing power supporting advanced AI algorithm for collision avoidance
- Multi drone capabilities

Technical Specifications

Parameter	Description
Maximum takeoff weight (MTOW)	3.5kg
Maximum payload weight	1.5kg
Maximum endurance	60 min
Range	Up to 10km
Operational speed	0-45kmh
Max operational alt (ASL)	4000ft
Data link	L/S-Band & LTE (optional)
Fully integrated operational solution	



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