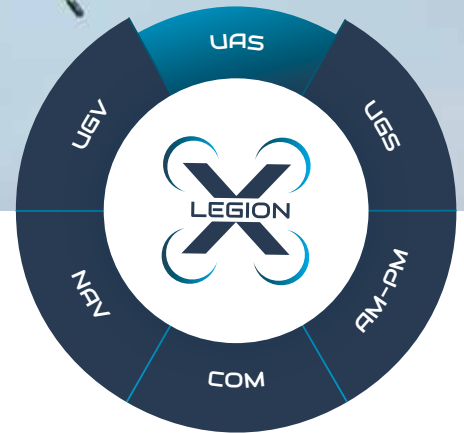


Magni-X

Micro multi-rotor SRR platform



Part of the Legion-X robotic and autonomous combat solution, the Magni-X VTOL (vertical takeoff and landing) micro-UAS is a military fully autonomous multi-rotor platform with the most advanced close-range observation system. Though 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, take-off / 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

- Legion-X compatible
- Fully autonomous tactical sUAS
- Military grade FCC (flight control computer)
- Classification and object tracking capability using advanced AI algorithm
- Object detection and obstacle negotiation capability
- Return home integrated capability upon GPS blocking
- Advanced and immune data link using antenna diversity scheme
- Very low radar and acoustic signature
- TRL9 platform



Operational Advantages

- Advanced tactical combat suite supporting rapid deployment
- Agile flight control and precision landing
- Onboard computing power supporting AI advanced algorithm for collision avoidance
- GPS-denied environment capability

Technical Specifications

Parameter	Description
System weight light configuration	2kg
System weight long endurance conf.	Up to 3.2kg
Endurance	20/40/50 minutes respectively
Range	Up to 5km
Operational speed	0-45 kph
Max operational alt (ASL)	4000ft
Max payload	450g
Data link	L/S-Band & LTE (optional)
Nighthawk 2 / Nighthawk 2 UZ - EO/IR payload	
Fully integrated operational solution	



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