

MAGNI

Micro Multi-Rotor VTOL UAS Platform



Compact, advanced, cost-effective UAS platform delivering real-time Intelligence to maneuvering forces.

The MAGNI VTOL (Vertical Takeoff and Landing) Micro-UAS is a fully autonomous, multi-rotor platform providing day and night 3D Intelligence at the squad, platoon and company levels, as well as for paramilitary and special forces.

MAGNI's compact and cost-effective tactical platform can be deployed from any tactical or command and control vehicle and is equipped for fully autonomous operation to a dedicated waypoint.

Elbit Systems' mission control software gives a single interface for all operators, and an open protocol enables modifications for UAS integration on all types of operational scenarios and payloads. With dual S-Band and LTE communications, coordinate tracking capabilities and rapid deployment by a single operator, MAGNI can provide real-time Intelligence for a full combat picture.

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Key Features

- Single person operation
- Thermal and day/night camera
- Mission control software
- Vehicle-launched
- Easy to operate
- Fully foldable, compact form factor
- Fully autonomous
- Open software – fast to adjust
- Rapid deployment, less than 1 min

System Applications

- Military and paramilitary operations
- Intelligence
- Surveillance and reconnaissance
- Security
- Automatic target tracking

Specifications

- | | |
|--|------------------|
| • Range | Up to 3 km |
| • Operational speed | 0-40 kph |
| • Max operational alt (ASL) | 4000 ft. |
| • Max payload | 350 g. |
| • Data link | S-Band/LTE |
| • System weight
(including battery and payload) | Up to 2.5 kg |
| • Endurance | Up to 30 minutes |



MAGNI system content



Lightweight easy-to-use GCU (ground control unit)



MAGNI System Hard case



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