

ORBITER 5[®]

AT THE FOREFRONT OF YOUR MISSION



AERONAUTICS[™]

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The **ORBITER 5 UAS** platform enables a new paradigm in UAS mission performance by **providing MALE mission capabilities in a tactical UAS solution.**

The result is a high performance, extended range, multi mission, multi payload, and all in a cost-effective tactical category solution.

The **ORBITER 5** will revolutionize how ISTAR mission implementation will be performed both on the tactical and strategic levels. The ORBITER 5 was designed to enable fast mission preparation time and simple assembly in the field including the ability to launch multiple platforms in a matter of minutes.



Applications & Payloads

- Multi Payload capabilities
- EO/IR with Laser pointer/rangefinder/ designator
- AI Capabilities
- Communications Intelligence (COMINT)
- Electronic Intelligence (ELINT)
- Electronic warfare (EW)
- Maritime Patrol Radar (MPR) & Automatic Identification System (AIS)

Specifications



MTOW
75 kg



Max Speed
70 kts



Payload Weight
Up to 25 kg



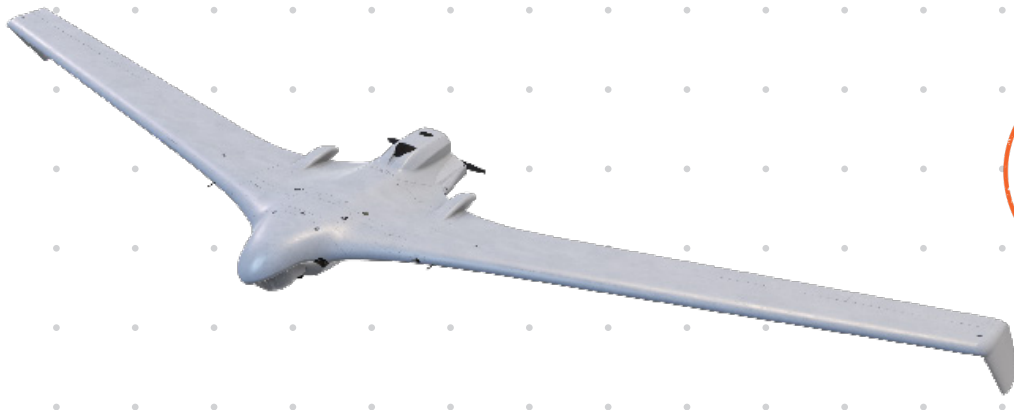
Wingspan 6.4 m
Length 2 m



Encrypted Data-link Range
LOS Up to 150 km or BLOS



Redundancy
Dual avionics system and
Sensors



Main Features

- MALE capabilities in a cost effective tactical system
- Extended endurance (25 hours) carrying multiple payloads for long ranges
- High power to weight propulsion ratio enabling to deliver significant electrical power (600W) to payloads
- Assortment of different payload types (25 kg) operating simultaneously
- Fully redundant avionic system with high level of safety
- 11 HP engine with fuel injection and dual ignition
- Advanced Navigation system | fully operational in GPS-denied areas
- High survivability
- Operational in adverse weather conditions
- Autonomous flight and recovery modes
- Integrated secured data link
- Runway-independent-no permanent infrastructure needed
- Single tool assembly enabling rapid deployment for operational and maintenance flexibility
- Small logistic footprint | highly transportable | rapid assembly & turnaround
- Fast Integration and Adaptation to customer requirements
- AES-256 Encrypted Data-Link primary & secondary uplink



Electrical Power Available for Mission and Payload
Up to 600 Watts



Endurance
Up to 25 hrs





YOUR EDGE IN THE FIELD