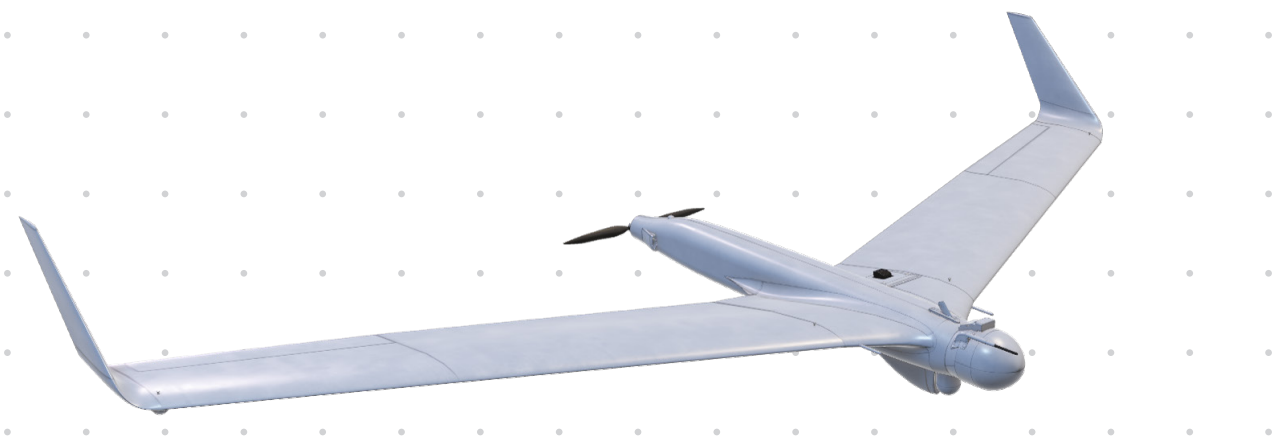


ORBITER 2[®] LM

(Loitering Munition) UAS SYSTEM





(Loitering Munition) UAS SYSTEM

A class 1 loitering munition UAS combat-proven.

The ORBITER 2LM provides outstanding operational range and endurance, high precision with operational flexibility. Its low optical and acoustic signatures make it highly covert and difficult to detect both UAV and the ground segment are compliant (hardware and software) with NATO STANAG 4586 and 4609.



Applications & Payloads

- Advanced image processing capabilities
- Automatic video tracker (ATR)
- Video motion detection (VMD)
- Onboard tracker
- Stabilized Dual EO/IR
- HD resolution, enhanced DRI
- Continuous zoom

Specifications



MTOW
Up to 13 kg



Environmental
25-40 knt / (-20) - +49°C / 2-5 mm/h
(Wind/Temp/Rain)



Wing span 2.9 m
Length 1.4 m



Operational Flight Altitude (AGL)
500-3,000 ft.



Main Features

- Loitering munition/ISR capabilities
- Border security-immediate loitering solution for engaging threats
- Forward Operating Base (FOB) protection
- Stabilized mini dual EO/IR camera
- Fragmentation warhead-over 3 kg
- GCS: common with all ORBITER family platforms (multi-platform)
- Camera-guided flight
- Rapid deployment, 7 minutes to launch
- Simple assembly, rapid turnaround
- Electrical propulsion
- Low silhouette, silent, covert operation
- Automatic takeoff and recovery
- Operational below cloud base, in harsh weather conditions
- Advanced warhead
- Long endurance, persistent surveillance over target areas
- Proximity fuse for optimal fragmentation coverage
- Advanced guidance capabilities
- Advanced autonomous flight modes
- Artillery fire management and BDA
- Fully operational in GPS-denied areas
- Automatic recovery system: parachute & airbag
- C4I: shared real-time intelligence (STANAG 4609 compliant)
- Pneumatic launcher and precision net for landing on vessel



Encrypted Data-link Range
LOS Up to 50 km



Max Operational Speed
200 kts



Endurance
Up to 2.5 hrs



Max Launch Altitude (ASL)
13,000 ft.



Warhead Weight (2LM)
3 kg



Max Altitude (ASL)
16,000 ft.



YOUR EDGE IN THE FIELD