

Terminal attack dive



Orbiter® 1K Loitering Munition UAS

The new addition to the Aeronautics Orbiter UAS line is the Orbiter 1K Loitering munition class UAS. The Orbiter 1K is designed for loitering attacking missions against soft-shell and human targets.

The Orbiter 1K carries a warhead of more than 3 kg with advanced guidance capabilities, to ensure high precision, lethality and low collateral effects.

The Orbiter 1K loitering munition system is based on our mature, combat-proven Orbiter 2B Mini UAS and therefore presents outstanding performances of mission range and endurance.

Moreover, once launched, whenever the situation in-theater requires, the Orbiter 1K can abort the mission and recover safely, in order to preserve the UAV and avoid expending it unnecessarily.

The unique advantages of the Orbiter 1K system creates high level of operational flexibility and provides extraordinary operational advantages for its category.



Applications

- Loitering munition mission with ISR capabilities
- For use by special operation forces and infantry
- Support and protection of mobile\stationary ground forces
- Border security – immediate loitering solution engaging threats
- Forward Operation Base (FOB) protection

Maritime Applications

- Loitering solution for coastal ISR
- Naval special operations raids
- Offshore facilities security

Main Features

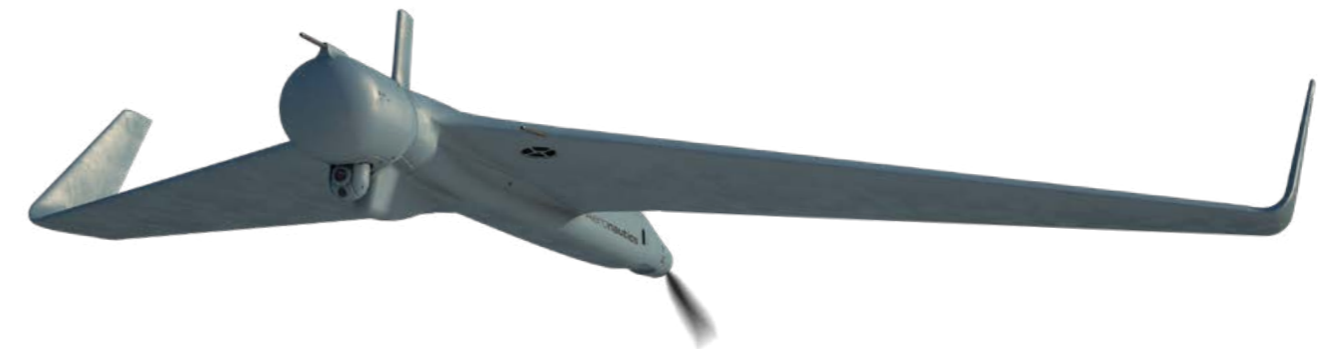
- Target types – Soft shell vehicles, Human
- Engage BLOS targets for variety of terrains
- Long endurance, persistence presence over targets area
- Lethality - High precision strike with low collateral effects
- Proximity fuse gains optimal fragmentation coverage
- Advanced guidance capabilities
- Covert, electric powered, very visually small, thermal and acoustic signatures
- Advanced autonomous flight modes
- Artillery Mode
- Fully operational in GPS denied areas
- Automatic recovery system: parachute & airbag
- C4I: Shared real-time intelligence
- GCS – Common with orbiter 2, Orbiter 3, MOAV software compliant with NATO interfaces such as STANAG 4609

Maritime

- Ready-to-use kit for operation on any type of vessel
- No need for flight deck
- Catapult launcher and precision net landing on vessel

Payloads

- Stabilized mini dual EOIR camera
- Warhead – fragmentation, 3 kg



Specifications

- Wingspan: 2.9 m
- Service ceiling: 8,000 ft. AGL
- Loitering Speed: 30-70 knots
- Endurance: Up to 2.5 hours
- Mission range: Up to 100 km
- MTOW: 13 kg
- Warhead weight: 3 kg