

ORBITER® 1K

Loitering Munition UAS



AERONAUTICS™
YOUR EDGE IN THE FIELD

ORBITER® 1 K

Loitering Munition UAS

A Class 1 loitering munition UAS designed for soft-shell attack missions, Combat-proven and based on the Orbiter 2 Mini UAS legacy, it provides outstanding range and endurance, high precision, lethality, and low collateral effects, as well as operational flexibility.

Applications & Payloads

- » Loitering munition/ ISR capabilities
- » Loitering solution for coastal ISR
- » Support and protection of mobile and stationary ground and naval forces
- » Border security – immediate loitering solution for engaging threats
- » Forward Operating Base (FOB) protection
- » Naval special operations raids
- » Stabilized mini dual EO/IR camera
- » Fragmentation warhead – over 3 kg



Main Features

- » Target types: soft-shell vehicles; human
- » BLOS targets engaged for various terrains
- » Long endurance, persistent surveillance over target areas
- » Proximity fuse for optimal fragmentation coverage
- » Advanced guidance capabilities
- » Covert, electric-powered, small thermal and acoustic signatures
- » 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)
- » GCS: common with all Orbiter family platforms (multi-platform)
- » Maritime advantages - Ready-to-use kit for any type of vessel. Flight deck not required. Catapult launcher and precision net for landing on vessel
- » Pneumatic launcher and precision net for landing on vessel

Specifications

Wingspan
2.9 m

Loitering Speed
38-50 kts

Mission range
Up to 50 km

Warhead weight
over 3 kg

Service ceiling
13,000 ft. ASL

Endurance
Up to 2 hours

MTOW
13 kg