



Aeronautics



ORBITER 1K MUAS



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.

Who We Are

Heading an industry group focused on unmanned solutions, systems and subsystems, CP Aeronautics provides integrated turnkey solutions based on unmanned systems platforms, payloads and communications for defense and civil applications. Designed as leading-edge UAS-based solutions, CP Aeronautics' systems offer operationally proven solutions for Intelligence, Surveillance and Reconnaissance (ISR) systems requirements. As a pioneer in the field of unmanned aerial systems, CP Aeronautics broad product portfolio has demonstrated excellent performance and operability.

Backed by continuous research and development, these systems are built on three decades of technological and operational experience.

Assembled in the USA
ISO 9001:2015 Certified
ITAR Registered

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PRODUCT

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

APPLICATIONS

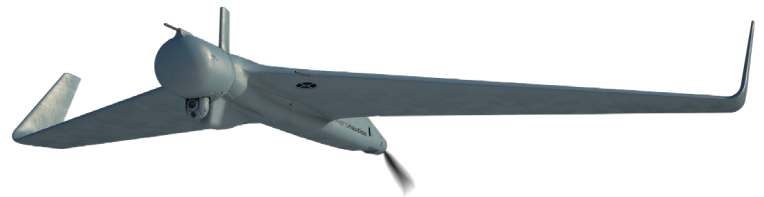
- Loitering munition mission with ISR capabilities
- For use by special operation forces and infantry
- Support and protection of mobile\stationary ground forces
- Border security - immediate loitering solution engaging threats
- Forward Operation Base (FOB) protection

MARITIME APPLICATIONS

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

SPECIFICATIONS

ENDURANCE	Up to 2.5 hours
RANGE	100 km
WINGSPAN	2.9 m
MTOW	13 kg
WARHEAD WEIGHT	3 kg
LOITERING SPEED	30-70 kt
SERVICE CEILING	LOS, up to 8000 ft AGL



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 EO\IR camera
- Warhead - fragmentation, 3 kg

