



Orbiter® 2 Mini UAS

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The mature and combat-proven Orbiter Mini UAS is part of Aeronautics Orbiter UAS family. This compact and lightweight system is designed for ease of use by the warfighters and security agents, providing efficient operational solutions for tactical military and security applications. The Orbiter 2 platform has proven top performance and high reliability, providing lifesaving support in conflict zones worldwide.

In the maritime configuration, Orbiter MUAS provides maritime surveillance, reconnaissance and target acquisition solution for small naval vessels operating maritime security and naval warfare missions.

The system and proprietary control software are compliant with NATO STANAG such as 4586 and 4609.



Applications

- ISTAR
- Artillery fire management and BDA
- Target acquisition for precision guided weapons
- Force protection, in static and convoy support
- HLS: Border surveillance, emergency response
- Special-operations ISR

Maritime Applications

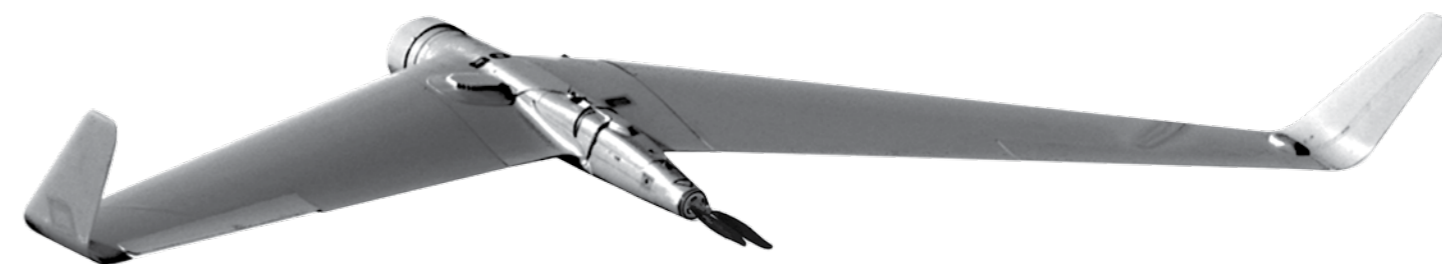
- Maritime and coastal surveillance
- Gun fire direction and BDA
- Target acquisition for precision guided weapons
- Ship self-defense
- Offshore facilities security

Main Features

- Dual Payloads for day/night operation
- 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
- Long endurance, extended operational range
- Pneumatic Catapult launch, airbag & parachute recovery
- Mission autonomy, accurate navigation, with or without GPS or datalink
- Control and monitoring from moving vehicles
- Encrypted, digital datalink, frequency hopping

Maritime

- Ready to use kit used on any type of vessel
- No need for flight deck
- Net landing for maritime operation



Advanced Image Processing Capabilities

- Automatic video tracker
- Video Motion Detection (VMD)
- Video mosaic composition
- D-Roll and image stabilization
- Digital zoom and super resolution
- H.246 for video streaming

Payloads

- Stabilized Dual EO/IR
- Continuous zoom
- EO camera with laser designation
- Photogrammetric mapping

Specifications

- Wingspan: 3.00 m
- MTOW: 10.300 kg
- Payload weight: 1.500 kg
- Max. speed: 70 kt
- Datalink: LOS, up to 100 km

Transportability

- Vehicle integration
- Designated trailer
- Backpack kits

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Maritime and coastal surveillance

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- Ship self-defense
- Offshore facilities security
- Ready to use from any type of vessel
- No need for flight deck
- Net landing for maritime operation