



Orbiter 3 Small Tactical UAS

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The mature and combat-proven Orbiter 3 Small Tactical Unmanned Aerial System (STUAS) is part of Aeronautics Orbiter UAS family. Orbiter 3 is designed to deliver top performance with the lightest and most advanced covert platform available today.

The Orbiter 3 platform has proven robustness and high reliability, providing lifesaving support in conflict zones worldwide.

Operational for up to 7 hours, over 100 km from its control station carrying advanced, multi-sensor payloads, Orbiter 3 is designed for ease-of-use at the tactical operators.

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



Applications

- Land and maritime ISTAR
- Artillery fire management and BDA
- Target acquisition for precision-guided weapons
- Protection of stationary and convoy forces
- Communications Intelligence (COMINT)
- HLS missions: border surveillance, emergency response

Maritime Applications

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



DEFENSE



HLS



CIVIL

Main Features

- Highly transportable vehicle mounted system
- Tri-sensor payloads for day, night operation under clouds
- Unique SIGINT capabilities
- Rapid deployment, 7- minute to launch
- Simple assembly, rapid turnaround
- Silent, electrical propulsion
- Low silhouette, covert operation
- Automatic takeoff and recovery
- Operational below cloud base, in harsh weather conditions
- Long endurance, extended operational range
- Catapult launch, net landing for maritime operation
- Mission autonomy, accurate navigation, with or without GPS or datalink
- Control and monitoring from moving vehicles

Maritime

- Vessel integration without the need for flight deck
- Catapult launch, net landing



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

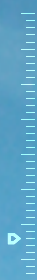
Payloads

- Stabilized triple sensor: day, night (cooled FLIR) with laser designation
- Continuous zoom
- SIGINT capabilities
- Photogrammetric mapping

Specifications

- Wingspan: 4.40 m
- MTOW: 30 kg
- Payload weight: 5.50 kg
- Max. speed: 70 kt
- Datalink: LOS, up to 150 Km.

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Maritime and coastal surveillance

- Gun fire direction and BDA
- Target acquisition for precision guided weapons
- Ship self-defense
- Offshore facilities security
- Ready to use from any type of vessel
- No need for flight deck
- Net landing for maritime operation

