Orbiter® 2 SUAS

Superior range & endurance. The Orbiter® 2 Small Unmanned System (SUAS) is one of the most combat proven SUAS in the world and part of the highly successful orbiter family of UAS. Thousands of Aeronautics products are in service in over 52 countries and 70 military and law enforcement organizations globally. Developed and designed with years of UAS experience, it is reliable and consistently meets a wide range of operational needs. Orbiter® 2 is small, light weight, highly portable, easy to setup, operate, recover and maintain. Capable of operating in deserts, snow and ice, high humidity and in maritime environments. Ideal for tactical forces at Battle group and below providing organic ISR support.

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 littoral surveillance
- Gun fire direction and BDA
- Target acquisition for precision guided weapons
- Ship self-defence
- Offshore facilities security
- Counter Drug and Smuggling

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
- Long endurance, extended operational range
- Pneumatic Catapult launch, airbag & parachute recovery

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.264 for video streaming

Specifications
- Endurance: 3+ hours
- Range: 40-50 km
- Wingspan: 3.00 m
- MTOW: 10.3 kg
- Payload weight: 1,500 kg
- Max. speed: 50 kt
- Datalink: LOS, up to 100 km

Transportability
- Vehicle integration
- Designated trailer
- Mission Portable in 2-3 man team
- Small Boats
- Air portable in Helicopter and Tactical Aircraft

Payloads
- Multiple Payload Capable
- Stabilized Dual EO/IR, Continuous zoom
- EO/IR camera with laser pointer
- Photogrammetric mapping
- Comms Relay
- Multiple EW/SIGINT Payloads
- Lagging Munition (Orbiter K)
- Laser Designators

Maritime
- Ready to use kit
- Net landing for maritime operations
- Water Landing capability (Optional)