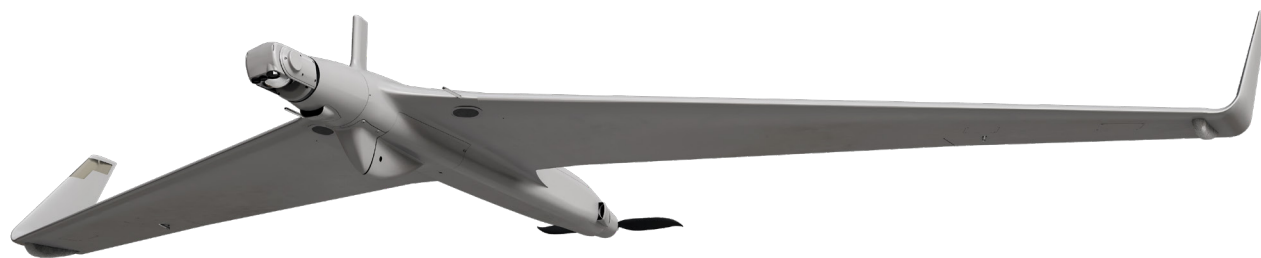
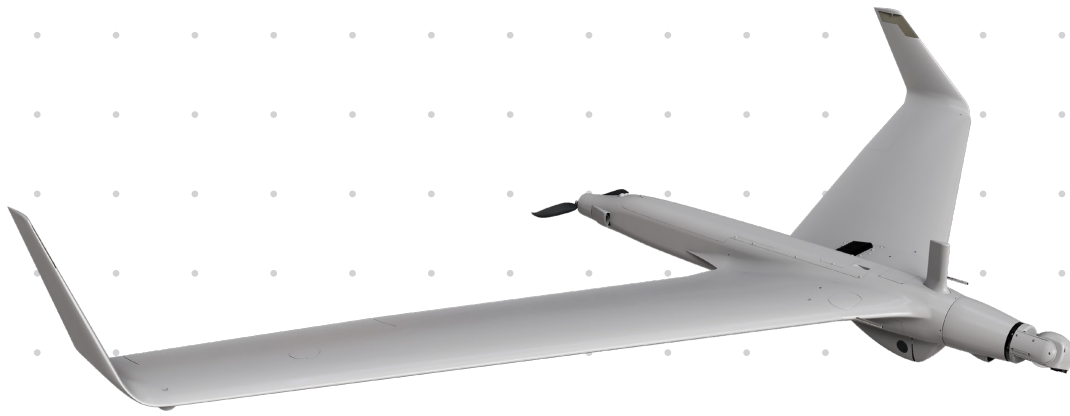


ORBITER 2[®] ISR

UAS SYSTEM



AERONAUTICS™



ORBITER 2®ISR UAS SYSTEM

ORBITER 2 mini UAS: Combat-proven, fixed-wing, electric UAV for ISR tactical missions. Offers superior performance, unmatched mission versatility, and operational flexibility in challenging weather conditions with a small logistics footprint. Both UAV and ground segment hardware and software are compliant with NATO STANAG 4586 and 4609.



Applications & Payloads

- Superior ISR performance suited to a variety of missions
- Continuous and prolonged area surveillance
- Advanced image processing capabilities - VMD, ATR
- Highly transportable | rapid assembly & turnaround
- Ground Connectivity to C4I

Specifications



MTOW
Up to 13 kg



Environmental
25-40 knt / (-20) - +49°C / 2-5 mm/h
(Wind/Temp/Rain)



Wing span 2.9 m
Length 1.4 m



Operational Flight Altitude (AGL)
500-3,000 ft.



Main Features

- Increased payload capacity and variety
- Advanced image processing capabilities
- Enhanced digital datalink - long LOS range | relay | AES-256 | hopping
- Advanced flight control & precision navigation system (including in GPS-denied areas)
- Operability in harsh weather conditions, under-cloud base
- Upholds airworthiness standards – CAAI, STANAG 4671 and 4609
- 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
- 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



Payloads & Advances Capabilities

- Video motion processing capabilities
- Onboard tracker
- Electronic warfare (EW)
- Communication jammer
- Built-in user payload capability for future integration
- EO/IR with Laser pointer
- Wide area motion imagery (WAMI)
- Communications Intelligence (COMINT)
- Electronic Intelligence (ELINT)



Encrypted Data-link Range
LOS Up to 50 km



Max Operational Speed
50 kts



Endurance
Up to 3 hrs



Max Launch Altitude (ASL)
13,000 ft.



Max Altitude (ASL)
16,000 ft.



YOUR EDGE IN THE FIELD