



ORBITER®

The Orbiter Mini UAS is a compact and lightweight system with true tactical UAS features. Designed for use in military and homeland security missions, the system presents the ultimate solution for ISTAR missions, low intensity conflicts and urban warfare operations.



ORBITER® MINI UAS - MAIN FEATURES

- Back-pack / vehicle transportable
- Assembled in 10 minutes
- Automatic launch
- Automatic parachute + airbag recovery / Net landing
- Easily controlled from Personal GCS
- Camera guided flight
- Accurate navigation (GPS/INS)
- Gyro stabilized, zoom payload
- Day and night operational capability
- Operational in harsh weather conditions
- Advanced image processing capabilities
- Covert operation
- Rapid turn-around
- Combat proven, mature operational system



ORBITER® FEATURES

Applications:

- ISTAR (Ground & Marine environments)
- Artillery mode (Fire management, BDA)
- 'Sensor to shooter' (Guided weapons)
- Homeland Security

Advanced image processing capabilities:

- Automatic video tracker
- Video Motion Detection (VMD)
- Mosaic (Video composition)
- D-Roll & image stabilization
- Digital zoom & super resolution

Payloads*:

- D-STAMP: Day (CCD) Stabilized zoom payload
- U-STAMP: Night (FLIR) Stabilized payload
- Z-STAMP: Night (FLIR) Stabilized zoom payload
- T-STAMP: Day+Night+Laser Stabilized zoom payload

ORBITER® FAMILY - SPECIFICATIONS

Parameter	Orbiter® I	Orbiter® II	Orbiter® III
Wingspan	2.2 m	3 m	4.2 m
Max T/O Weight	7 kg	9.5 kg	28 kg
Payload*	D/U STAMP	D/U/Z STAMP	D/U/Z/T STAMP
Range**	15 / 30 km	30 / 80 km	100+ km
Endurance	3 hours	4 hours	7 hours
Speed	30-70 knots	30-70 knots	30-70 knots
Service Ceiling	18,000 feet	18,000 feet	18,000 feet

Range (data link configuration):**

- 15 km: Omni-directional comm.
- 30 km: Small auto-tracking directional comm.
- 80 km and further: Auto-tracking directional comm.

Transportability:

- Backpacks
- Hardened cases
- Vehicle integrated
- Designated trailer