



## ORBITER™

The Orbiter™ Mini UAS - 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 "Over the Hill" reconnaissance, low intensity conflicts and urban warfare operations, as well as any close range ISR mission.



## 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
- Field proven, mature operational system



**ORBITER™ FEATURES**

**Applications:**

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

**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	3.6 m
Max T/O Weight	7 kg	9.5 kg	20 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: RF Box, Omni-directional comm.
- 30 km: RF Box, Auto-tracking directional comm.
- 80 km and further: GDT (Ground Data Terminal)

**Transportability:**

- Backpacks
- Hardened cases
- Vehicle integrated
- Designated trailer