



## ORBITER™

The Orbiter™ Mini UAV - a compact and lightweight system with true tactical UAV 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 UAV SYSTEM - MAIN FEATURES

- Back-pack / vehicle transportable
- Assembled in 10 minutes
- Automatic launch
- Automatic parachute + airbag recovery
- Easily controlled from Personal GCS
- Camera guided flight
- Accurate navigation (GPS/INS)
- Gyro stabilized, zoom payload
- Day and night operational capability
- 15 km range (Extension to 50 km optional)
- 2 - 3 hours flight endurance
- Covert operation
- Rapid turn-around
- Field proven, mature operational system



ORBITER™ - SPECIFICATIONS



Wingspan.....	2.2 m / 7.2 ft
Length.....	1 m / 3.2 ft
T/O Weight.....	6.5 kg
*Range.....	15 or 50 km
Endurance.....	2-3 hours
Speed.....	25-75 knots
Service ceiling.....	18,000 ft

**ORBITER™ FEATURES**

**Rapid Deployment**

To field-deploy and launch the Orbiter, only two personnel are required. System assembly and setup takes just 10 minutes and, after the easy and safe catapult launch, just one person is required to operate the Orbiter from the Personal GCS. With its minimal support footprint, Orbiter delivers quality, stabilized ISR video and target location data to commanders from the platoon level, upwards.

**Superior Airframe**

Orbiter's airframe is of tail-less 'Flying Wing' design and composite construction. These give Orbiter excellent aerodynamic characteristics and payload lift ability, as well as resilience to difficult weather conditions, including strong winds, and to landing shock.

**Autonomous Flight**

All of the Orbiter's flight stages are maximally automated: From the safe catapult launch, the waypoint navigation and camera guided flight, to the return home procedure and recovery by parachute & airbag - The operation is safe, easy, and allows operator to concentrate on the mission itself.

**\*Extended Range**

The Orbiter system is available in two major configurations, depending on the required mission range. In the standard configuration, the lightweight omni-directional communication set enables the Orbiter to reach a 15-km operational mission radius. The extended range configuration incorporates an auto-tracking directional communication set that extends LOS control range to up to 50 km.

**Simple Operation and Maintenance**

The Orbiter's automatic flight and system design features mean that only a short training course is required to enable unskilled personnel to set-up, operate and maintain the system under field conditions, with low lighting levels.

**Operationally Proven**

The Orbiter is already being operated successfully and independently by customers in different parts of the world. The Orbiter has proved its capabilities under difficult weather conditions, by day and by night.