

ThunderB

Long Range, Long Endurance Tactical UAS
With Optional Cargo Delivery Capability



Long Range. Long Endurance. Tactical.

ThunderB is an advanced, long-range, long-endurance, small tactical UAV system that provides a set of extraordinary capabilities, previously found only in much larger UAVs and usually with a weight of above 150 kg. ThunderB is capable of performing diversified tactical, cost-efficient UAV missions for a wide variety of defense, homeland security and civilian applications.

ThunderB utilizes a pneumatic launcher for automatic point launch and a reusable parachute and protecting airbag for point recovery in the field.

The ThunderB delivers superior operational capabilities:

1. **Exceptional Performance** – Endurance of over 24 hours, communication range of up to 150 Km with a digital link and tracking antenna
2. **Mission Flexibility** – Variety of high-performance sensors, comms & software algorithms for diverse missions
3. **Covert Operation** – Low acoustic, visual, thermal and radar signatures
4. **GPS Denied Environment** – Multi-layer protection against GPS Jamming, for mission continuity in GPS denied environment
5. **Advanced Datalinks** – Mission continuity even in COMJAM environment – integrated 3 communication links
6. **Robust System** – Optimal operation in severe weather & extreme terrain
7. **Easy to Operate** – Rapid deployment and turnaround time, small crew of two, no need for prepared area, Intuitive, mission oriented GCS
8. **High Reliability** – Multiple system redundancies and advance field-proven avionics
9. **Low LCC** – Low acquisition and maintenance costs



MTOW
32 Kg



Over
**24 Hrs
Endurance**



Up to
**150 Km Comm.
Range**

Real Time Intelligence and Situation Awareness

The ThunderB is an innovative and versatile system for conducting covert, real-time extended range and endurance, day-and-night Intelligence, Surveillance, Target Acquisition & Reconnaissance (ISTAR) operations, providing rapid, GPS marked, High-Definition (HD) video, photogrammetric tactical mapping on demand (TMOD) and additional intelligence assets.

Variety of
Payloads



Ground Data
Terminal
(GDT)



Ground Control
Station (GCS)



HLS



DEFENSE



CIVIL



ThunderB



Cargo Delivery Capability for Precise, Surgical Missions

The ThunderB UAV can optionally carry small cargo units (capsules) under each wing and release the cargo automatically or by GCS command. Upon automatic release with a ballistic trajectory, the capsule reaches the target with high accuracy. The cargo capsules can also be dropped with a small parachute, preventing damage to fragile items.









The ThunderB cargo delivery capability can be used in numerous missions:

- **Providing lifesaving measures in Search & Rescue missions**
Such as communication devices, water bottles & floating devices
- **Delivering of essential material**
Such as drugs in an epidemic situation
- **Scattering ground intelligence sensors**
Achieving wide ground coverage

Small Logistic Footprint

- Deployed and operated by only two crew members
- Highly transportable and maneuverable system
- Automatic takeoff and landing from unprepared areas.
No infrastructure required

Operational Missions

- | | |
|--|---|
|  Covert ISTAR |  Artillery Support |
|  Border Protection |  Disaster Management |
|  Convoy and Force Protection |  Search and Rescue |
|  Security and Law Enforcement |  Photogrammetric Solutions |
|  Maritime Operations |  Civilian Applications |



BlueBird Aero Systems. Since 2002.

BlueBird Aero Systems Ltd. is a dominant player in the Tactical Unmanned Aerial Systems (UAS) Industry. BlueBird specializes in the design, development and production of high-performance, cost-effective micro, mini and tactical UAS. The company delivers superior, combat-proven solutions to meet the challenges of defense, homeland security and civil markets.

BlueBird's advanced UAV systems, operational in Israel and worldwide since 2006, have performed over 52,000 operational sorties in severe environmental conditions and without terrain limitations.

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