

Exceptional VTOL Capabilities

The ThunderB-VTOL, a hybrid fixed wing UAV, offers high operational flexibility and combine the advantages of a fixed wing UAV with the benefits of a multi-copter: Fixed wing advantages - Extended endurance, high speed operation in harsh environments, large area coverage and ability to glide to safe landing. Multi-copter advantages - Ability to take off and land in small limited areas (such as on ships in mid-sea for maritime operations, small forest clearings, urban rooftops, etc.) and soft and accurate landing.





Endurance



Up to **150 Km Comm.** Range

The ThunderB-VTOL delivers superior operational capabilities:

- 1. VTOL Pin-point vertical takeoff & landing in confined areas anywhere, anytime
- 2. Exceptional Performance Endurance of over 10 hours, communication range of up to 150 Km with a digital link and tracking antenna
- 3. Mission Flexibility Variety of high-performance sensors, comms & software algorithms for diverse missions
- **4. Covert Operation** Low acoustic, visual, thermal and radar signatures
- 5. GPS Denied Environment Multi-layer protection against GPS Jamming for mission continuity in GPS denied environment
- 6. Advanced Datalinks Mission continuity even in COMJAM environment integrated 3 communication links
- 7. Robust System Optimal operation in severe weather & extreme terrain
- 8. Easy to Operate Rapid deployment and turnaround time, small crew of two, no need for prepared area, Intuitive, mission oriented GCS
- 9. High Reliability Multiple system redundancies and advance field-proven avionics
- 10. Low LCC Low acquisition and maintenance costs

Real Time Intelligence and Situation Awareness

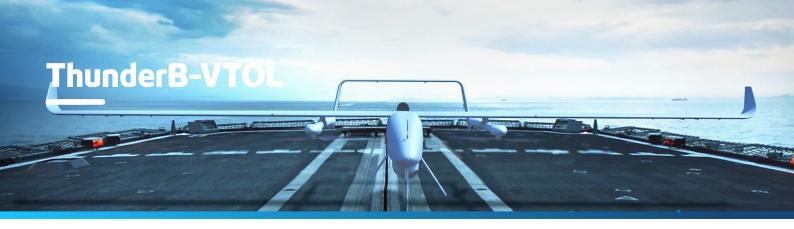
The ThunderB-VTOL is an innovative and versatile system for conducting covert, real-time extended range and endurance, day-and-night Intelligence, Surveillance, Target Acquisition and Reconnaissance (ISTAR) operations, providing rapid, GPS marked, High-Definition (HD) video, photogrammetric tactical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











Operational Missions



Covert ISTAR



Border Protection



Convoy and Force Protection Security and



Law Enforcement Maritime Operations



Artillery Support



Disaster Management



Search and Rescue



Photogrammetric Solutions



Civilian Applications

Small Logistic Footprint

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







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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