

Skylark™ I-eVTOL

Vertical takeoff and landing
mini UAS



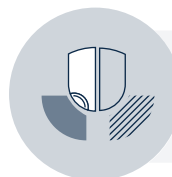
Mini UAS with automatic vertical takeoff and landing

Skylark™ I-eVTOL enables flexible operation from almost anywhere; at sea, on land and in the urban environment. Based on the Skylark™ family of UAS, the all-electric vertical takeoff and landing (VTOL) UAS provides airborne intelligence, surveillance, target acquisition and reconnaissance (ISTAR) capabilities, perfect for fully autonomous, multi-sensor, highly covert operations.

Main Features



Extended endurance and range of fixed-wing Class I aircraft with automatic vertical takeoff and landing (VTOL)



Dual payload capabilities



Suitable for small launch and recovery areas (less than 10X10m)



Covert capability: Real-time eye in the sky with very low acoustic and visual signatures



Ideal for man-packed, vehicle or ship-based operations; supports a wide range of military and HLS applications including tactical or special forces

Skylark™ I-eVTOL

Main Benefits



Vertical takeoff and landing: Electric motors replace launcher and parachute. Capable of takeoff and landing from marine facilities and ships.



Rapid deployment: Man-packed or vehicle-based portable platform can be deployed in up to 15 minutes.



Multi UAS missions: Supports concurrent LOS control of multiple UAS from the same control station (hot swap).



Full interoperability with Skylark™ 3 and SkyStriker.



Operation with minimal crew of Two operators.



Operational in GNSS-denied environment



Advanced digital encrypted data link



Compatible with NATO standards: STANAG 4609, 4660, 4586.



Integrates with existing C⁴I systems



High-quality imagery: High-resolution gimbaled and stabilized EO/IR payloads.



Long-range operation: Data link supports up to 40km LOS.



**2.5h
Endurance**



**40km
Mission Radius**



**15,000ft ASL
Flight Ceiling**



**65 Knots
Max Flight Speed**

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|--|---|
| Payloads | <ul style="list-style-type: none"> - Weight: 2kg - Automatic Target Tracking - HD Digital Video - Laser Designator - Optional |
| Takeoff and Landing | Fully automatic vertical takeoff and landing |
| Data Link Characteristics & Performance | <ul style="list-style-type: none"> - Supports control of multiple UAVs from the same station - AES 256 encryption / supports GFE encryption |
| UAV Navigation | <ul style="list-style-type: none"> - GPS / GLONASS / Galileo / indigenous GNSS - Position Estimation using data link - Operation in GPS-denied environment |