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)
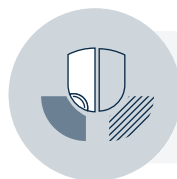
Dual payload capabilities

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

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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.

3h Endurance	40km Mission Radius	15,000ft ASL Flight Ceiling	65 Knots Max Flight Speed

Payloads	- Weight: 2.5kg - Automatic Target Tracking - HD Digital Video - Laser Designator - Optional
Takeoff and Landing	Fully automatic vertical takeoff and landing
Data Link Characteristics & Performance	- Supports control of multiple UAVs from the same station - AES 256 encryption / supports GFE encryption
UAV Navigation	- GPS / GLONASS / Galileo / indigenous GNSS - Position Estimation using data link - Operation in GPS-denied environment

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