

Skylark™ I-LEX

High Performance Man-portable Mini UAS



Your Invisible Eye in the Sky

Skylark I-LEX is an organic, highly covert aerial ISR asset delivering actionable, high-resolution video in real-time. It enables man-packed or vehicle-based deployment and allows for static or on-the-move operation.

Skylark I-LEX is the latest evolution of the battle-proven, high-performance Skylark I system, which has been delivered to over 30 different users worldwide. Skylark I-LEX's outstanding capabilities are based on operational experience gained through tens of thousands of operational sorties by the IDF and various NATO and other international users.

Designed for in-theater operation by maneuvering forces, Skylark I-LEX is highly autonomous. Its mission-oriented, intuitive man-machine interface (MMI) makes it the optimal solution for a variety of military, HLS and commercial applications.

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High Performance Man-portable Mini UAS

Highly covert aerial intelligence – Fully autonomous from takeoff and throughout mission and landing, the Skylark I-LEX is a proven ISR asset on the battlefield. With electrical propulsion that renders the system inaudible at 100 meters above ground level, the mini UAS can remain airborne for up to three hours. The system also features an airborne airbag system for point recovery, without any ground reception devices.

Advanced communication features -Skylark I-LEX offers a gimbaled and stabilized payload, delivering high-quality day and night real-time video within a 40 km LOS communication range. Advanced image processing capabilities include tracker, moving target indicator, geo-registration, and mosaicing.

Designed for ease of operation – The mini UAS is specifically designed for rapid deployment and is exceedingly simple to operate. The entire UAS system can be carried and activated by just two operators.

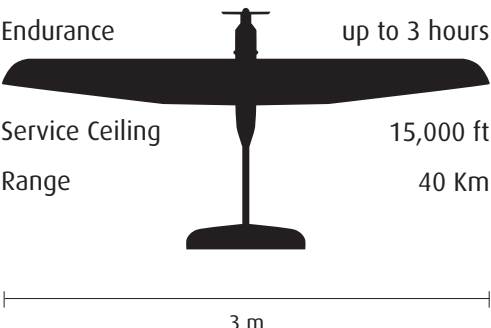
Key benefits

- Highly deployable and simple to operate by just two operators
- Inaudible at 100 meters above ground level
- Autonomous from takeoff, throughout mission and landing
- Gimbaled and stabilized payload - delivers high-quality day and night real-time video
- Airborne airbag system for point recovery, without requiring ground reception devices

Key Features

- Advanced image processing capabilities (tracker, moving target indicator, geo-registration and mosaicing)
- Remote takeoff mode without communication link with the GCS
- Advanced digital encrypted data link
- Unique capabilities such as Air Data Relay and “hot-swap”
- RVT and commander control station with live UAV payload video, telemetry and data
- Ability to integrate with user's C4I

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|-----------------|---------------|
| Takeoff weight | 7.5 Kg |
| Payload weight | 1.2 Kg |
| Endurance | up to 3 hours |
| Service Ceiling | 15,000 ft |
| Range | 40 Km |



*Available in various configurations



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