

Hermes™ 45

Multi-Mission STUAS



Hermes 45 is a Multi-Mission Small Tactical Unmanned Aircraft System (STUAS) designed for land and maritime operations with a wide range of advanced payloads. With a small tactical footprint, extended range and duration, Hermes 45 is designed to support the higher tactical echelon, providing intelligence, surveillance, target acquisition and reconnaissance (ISTAR) missions requiring long endurance. It is the most effective UAS today for area dominance and terrain analysis.

Hermes 45 leverages Elbit Systems' extensive experience in developing unmanned aircraft – including the Skylark UAS and Hermes UAS suites – which are fully operational by land and air forces, navies and intelligence services worldwide.

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Large payload and extended operational capabilities: The Hermes 45 Multi-Mission STUAS enables advanced ISR and EW missions with a line-of-sight flight range of 200 km or extended BLOS range (SATCOM) with flight time up to 22 hours. Its unique internal payload bay supports up to 20 kg of mission equipment including EO/IR, Marine-Radar, Terrain-Dominance Sensor, ELINT, COMINT, VHF/UHF com relay and others, in a multi-payload configuration.

Simple launch and recovery operations: Deployable by only two operators, the Hermes 45 is easily launched from land and maritime platforms. Precision automatic recovery of the Hermes 45 is completed without a landing strip or large landing area. The entire turnaround process, from recovery to re-launch, takes less than 30 minutes.

Key Features

- Communication range: 100-200 km (LOS/NLOS)
- Revolutionary 20 kg internal compartment for EO/IR, Marine-Radar, Terrain-Dominance Sensor, ELINT, COMINT, Cellular COMINT, EW, Com relay
- Point-landing capability, with no runway required
- Optional
 - Dual redundant advanced digital data-link
 - Emergency parachute for point-launch and recovery
 - Separated flight and mission management sub-system
 - SATCOM Communication

Key Benefits

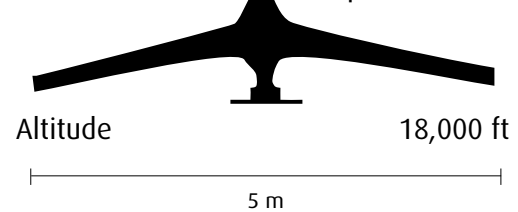
- Theater-grade coverage in a minimalistic package
- Highly-automated operation requires no piloting skills
- Designed for land and maritime missions
- Long endurance
- Low acoustic signature
- Extended multi-payload operation
- Extended operational range
- Minimal logistic footprint
- Customized for C4I integration
- Simple to operate with quick turnaround time between configurations
- Maritime operation

Maximum takeoff weight 70 kg

Payload weight 20 kg

Useful weight 30 kg

Endurance Up to 22 hours



*Available in various configurations



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