

Sky-Striker

Tactical loitering munitions for covert and precise airstrikes



Elbit Systems' SkyStriker is a cost-effective LM that is capable of long-range precise tactical strikes. The technology-enabled SkyStriker improves lethality, situational awareness and survivability by providing direct-fire aerial-precision capabilities to maneuverable troops and Special Forces.

SkyStriker is a fully autonomous LM that can locate, acquire and strike operator-designated targets with a 5kg or 10 Kg warhead installed inside the fuselage, enabling high-precision performance. SkyStriker's electric propulsion offers a low acoustic signature, allowing covert operations at low altitude operations. As a silent, invisible, and surprise attacker, SkyStriker delivers the utmost in precision and reliability, providing a critical advantage in the modern battlefield

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High-speed performance - Due to rapid flight speed capability, SkyStriker can reach a distance of 20km within ten minutes. Upon reaching the target area, the UAV can loiter and pursue the target for upto 2 hours with a 5kg warhead or upto 1 hour with a 10kg warhead. At maximum speed (100 knots), the LM can reach a distance of 20km within 6.5 minutes, reducing the loitering time by 15 minutes.

Automatic strike capability – SkyStriker uses autonomous navigation during its cruising and loitering phases. When preparing to strike, the UAV navigates based on its electro-optical “lock” on the target. During the strike phase, the LM can dive at extremely high speeds of up to 300 knots and can withstand winds of up to 20 knots. The maximum wind velocity for the strike leg is 40 knots with only slight degradation in performance accuracy.

Easy-to-deploy and low risk – SkyStriker offers quick deployment and provides the fighting force with the ability to observe and identify an enemy target before delivering a rapid precision airstrike. Its remote operation capability ensures that operators are not exposed to detection or enemy fire while guiding the LM to its target.

Features

- Electrical propulsion – for covert missions
- Long mission range
- Dual warhead configuration
- Abort, go-around and re-engage capabilities
- Single truck mobility
- Optional recovery capability

Benefits

- Rapidly deployable
- Cost-effective
- Low acoustic signature
- Minimal thermal signature
- Seamless maintenance and operation
- Compact storage



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