

Coyote LE



BENEFITS

- Leverages the proven performance of the Coyote family of effectors
- Modular Open Systems Approach (MOSA) compliant for upgradability and adaptable payloads
- Common airframe interface support multiple payload types
- Supports multiple C2 configurations, including man-in-the loop, mesh network, and multiple nodes
- Scalable launch configurations (air, land, and sea)

Highly configurable, beyond-line-of-sight, all-domain launched effect for any mission

Coyote® LE delivers a decisive advantage to the modern military across multiple domains. This versatile, payload-agnostic launched effect offers unmatched capabilities for beyond-line-of-sight (BLOS) engagements, extending battlefield awareness and delivering precision effects. Its modular design enables rapid configurations for reconnaissance, surveillance, and target acquisition (RSTA); communications; electronic warfare (EW); and lethal operations; empowering air, ground, and sea forces with unparalleled flexibility and overmatch.

Coyote LE stands as a testament to adaptability and multi-domain dominance. Designed to address the evolving challenges of modern operations, it empowers service members with the ability to rapidly assess, engage, and adapt across complex battlefields and the air-ground littoral. By seamlessly integrating with existing platforms and offering a multitude of payload options, Coyote LE redefines the possibilities for tactical superiority.

Applications:

- **Reconnaissance and surveillance:** Equipped with RSTA payloads, Coyote LE can penetrate enemy territory, gather critical intelligence, and provide real-time situational awareness.
- **Target acquisition and designation:** Coyote LE's advanced sensors and collaborative autonomy can locate, identify, and track enemy targets, providing precise targeting data for both kinetic and non-kinetic engagements.
- **Precision strike:** With a loitering munitions payload, Coyote LE can autonomously execute highly accurate strikes and non-kinetic effects using man-in-the-loop control, effectively engaging high-value targets and enhancing operational effectiveness.
- **Communications relay:** In areas with degraded or denied communications, Coyote LE can serve as a vital communications relay, ensuring uninterrupted command and control.

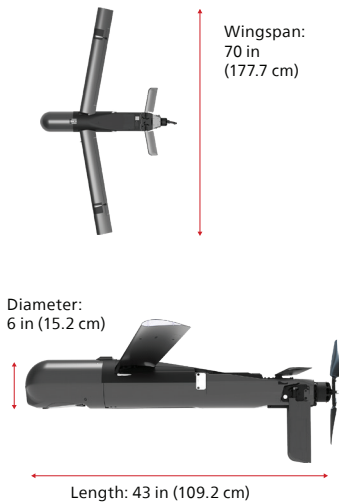
Key features and benefits:

- **Battlefield agility:** Coyote LE's ability to operate across air, land, and sea domains ensures it can be deployed precisely where needed most. The system's compact and lightweight design further enhances agility, enabling swift deployment and repositioning.
- **Payload versatility:** Coyote LE's modular architecture accommodates a diverse range of payloads, from RSTA, EW, and communications suites to precision-strike munitions. This versatility empowers commanders to tailor Coyote LE to specific mission requirements, ensuring optimal effectiveness in every scenario.
- **Extended reach:** Coyote LE's BLOS capabilities enable engagement of targets beyond the visual range, providing a critical advantage in contested environments. This extended reach enhances force protection, while expanding the battlespace for offensive operations.
- **Network integration:** Seamless interoperability with existing battlefield systems allows Coyote LE to act as a force multiplier, extending the reach and lethality of allied forces. The system's ability to share real-time data and intelligence fosters a more connected and informed fighting force.

Coyote LE



Coyote LE SR



Coyote LE MR



Launch flexibility

Coyote LE’s adaptability extends to launch configurations, ensuring seamless integration with various platforms across all domains.

Air, land, and sea launch operations are available, utilizing a range of proven launchers, including the Coyote weapon system common launcher, TOW launcher, common launch tube, modular effect launcher, rail system, and tube launchers. This flexibility allows service members to leverage existing equipment and infrastructure, streamlining logistics and maximizing operational efficiency.

Performance	Coyote LE SR	Coyote LE MR
Maximum Range	160+ km	185+ km
Maximum Endurance	90 minutes	100 minutes
Dimensions	Wingspan: 70 in (177.7 cm), Length: 43 in (109.2 cm) Diameter: 6 in (15.2 cm)	Wingspan: 87 in (221 cm), Length: 52.5 in (133.4 cm) Diameter: 6 in (15.2 cm)
Weight	< 27 lb. (12.2 kg)	< 40 lb. (18.1 kg)
Speed		Cruise: 60 kts Sprint: 100+ kts
Operating Altitude		>12,000 ft MSL
Payload		MOSA Based Payloads EO/IR Lethal (Multi-Effects), EO/IR Detection, Identification, Location, and Reporting (DILR), RF DILR , Decoy , EW/EA Disrupt, Communications
Mission System		MOSA Enabled Mission System Denied, Degraded, Intermittent, & Limited Bandwidth (DDIL) Environments, Multi-Node Control Architecture, Collaborative Behaviors
Ground Control Station	Multi-Operator and Distributed Mission Planning/Monitoring/Control, Integrated Tactical Network Interface, laptop and/or tablet operations	

* Performance subject to change based on selected configuration and payload