

DIAMONDBACK™

Rapidly scalable, highly mobile and reconfigurable autonomous reconnaissance and security vehicle

On the modern battlefield, the need for autonomy and constant adaptation are paramount to having a tactical advantage. Diamondback is an autonomous ground vehicle designed for rapid configuration, enabling it to adapt to diverse mission requirements and provide a technological edge against threats.

Diamondback is an innovative, economically comparable alternative to manned vehicle-based systems. Additionally, it serves to complement a mixed fleet of autonomous vehicles, all of which can be controlled using AMORPHOUS, a multi-domain command and control architecture for collaborative autonomy at scale.

The vehicle's mobility, autonomy stack and mission-specific modular payload suites allow first contact to happen anywhere, reducing risk to force.

This innovation, developed through a partnership between L3Harris and Carnegie Robotics, comes at a time when traditional reconnaissance and security are being challenged by the proliferation of threat systems and challenges to force structures.

Diamondback is poised to redefine tactical reconnaissance, offering a smart, scalable and cost-effective solution that keeps forces safe while also providing a tactical advantage.





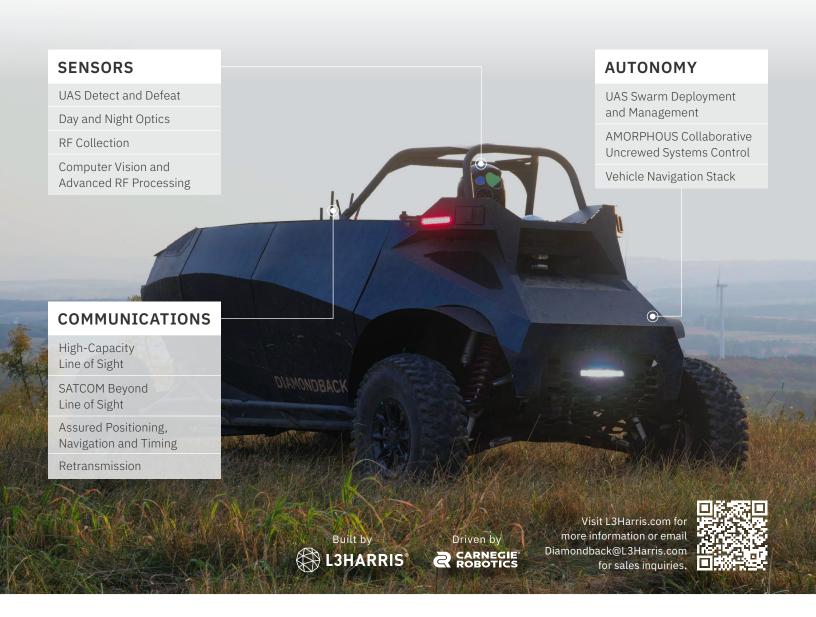
KEY BENEFITS

- > Mission Ready: Made for operations, not just movement, as complete mission solution
- > Autonomous Operation: The vehicle and its mission systems are designed for autonomous operation, powered by AMORPHOUS
- > Rapid Scalability: Leverages commercial production to scale quickly and economically to meet near-term demands
- > Modular Design: The architecture uses a modular and open system approach (MOSA) to enable it to be updated swiftly
- > Cost-Effective: Sourced from commercial components for lower overall cost of ownership, maintainability and growth with technological advancements
- > High Mobility: The high-speed, off-road platform ensures superior performance in diverse terrains
- > Proven Safe: Employs autonomy safety monitoring software for trusted operations



DIAMONDBACK

AUTONOMOUS RECONNAISSANCE AND SECURITY



$\label{eq:decomposition} \mbox{Diamondback}^{\tiny{\text{TM}}} \mbox{ Autonomous Reconnaissance and Security}$

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