

Titan

Dismounted Troop Support System



Multi-Mission, Modular Unmanned Ground Vehicle

Titan is a large Unmanned Ground Vehicle (UGV) that provides safety and support for small dismounted military operations. Developed by QinetiQ North America and Milrem, Titan features a multi-mission, reconfigurable platform that increases soldier safety and mission effectiveness.

Developed with Proven Technology

Titan consists of QNA's combat-proven robotic systems and controller and Milrem's THeMIS mobility platform and modular mission payload. The vehicle platform features a pair of diesel-electric hybrid tracked drive modules providing all-terrain long-range endurance with run-silent capability.

Load Carrying Capabilities

Titan's load carrying capabilities provides force multiplication and greater mobility. These capabilities insure off-route maneuverability resulting in a safer and successful mission.

Flexibility

Titan's open architecture platform supports a wide range of operations. Milrem's THeMIS mobility platform includes two track modules linked by a mission specific payload frame that supports both infantry and combat engineer requirements.

The vehicle can be operated in both unmanned and manned modes depending on the mission. Titan also interfaces with third party payloads for CBRNe, route clearance and integration autonomy packages.



FEATURES/BENEFITS

- Increases soldier safety
- Reduces soldier carry load
- Increases mission endurance
- Multi-mission modular payloads
- Modular autonomous behaviors reduce cognitive load
- High mobility / all-terrain operations
- Multiple controller and camera options
- Operable in manned or unmanned modes
- Open architecture
- Designed with combat-proven technology
- Wide variety of payloads and accessories
- Tactical run-silent mode
- Power-off-load capability



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Safe. Effective. Flexible.



Specifications

Platform Capabilities	<ul style="list-style-type: none"> • Max speed: 15+ mph • Gap crossing: 30 inches • Turning radius: 0 ft • Pull force: 2,000 lbs • Payload capacity: 1,500 - 2,000 lbs 	Command and Control	<ul style="list-style-type: none"> • Multiple controller options: <ul style="list-style-type: none"> – NLOS: TRC and lightweight TRC – LOS: Pendant
Platform Specifications	<ul style="list-style-type: none"> • Curb weight: < 2,000 lbs • Overall size: 79 L x 83 W x 40 H (inches) • Payload area: 72 L x 48 W (inches) 	Multiple crew compliant radio options including meshing IP (>800m LOS range)	
Power Sources	<ul style="list-style-type: none"> • 10kW JP8 generator (3kW moving offload) • AGM lead acid or Li-Ion batteries 	Multiple autonomy packages available from both QNA and third parties	
Range and Runtime	<ul style="list-style-type: none"> • 20+ km and 2+ hours Electric only (Run-Silent) • 100+ km and 72+ hours Diesel/Electric Hybrid 	Wide Variety of payloads and accessories	
Video	<ul style="list-style-type: none"> • Up to eight (8) camera feeds • Day/Night IR and thermal options • Multiple visible and thermal PTZ options 	<ul style="list-style-type: none"> • Earth moving blade/bucket • CASEVAC litter racks • Logistic support basket and ruck mounts • APOBS mounts • CIED roller rake support (mount) • CIED sensing payloads • Open architecture-compatible with third party accessories: <ul style="list-style-type: none"> – Remote weapon station – Interrogation arms – RSTA payloads 	



Titan was designed with combat-proven technology to support the dismounted warfighter

FOR MORE INFORMATION

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