

MINE RESISTANT AMBUSH PROTECTED PICK UP



CAPABILITY DESCRIPTION

GT-LRV // LIGHT RESPONSE VEHICLE

LIGHT RESPONSE VEHICLE

DESIGN AND SAFETY

PROTECTION LEVELS

- Protected passenger monocoque cell
- Ballistic protection on passenger cabin is STANAG level 2 as standard.
- The blast frame and cabin floor act as a blast attenuating double skin, energy absorbing mechanism and provides exceptional safety characteristics for the occupants of the vehicle.

Mine & IED protection up to STANAG levels 2A & 2B

Protected engine compartment

- Radiator grill and engine compartment sides protected to STANAG level 1.
- Bonnet protected to STANAG level 1 at 45 degrees angle of incidence.



LIGHT RESPONSE VEHICLE

TECHNICAL SPECIFICATIONS

Parameter	GT-LRV Specification
Engine	3.0 l Diesel TCI / 225hp/165,5kw
Torque	540Nm @ 2.200 rpm
Transmission	8-speed Automatic
Engine Idle	800 rpm
Range	640 km
GVW/ Payload:	7,000 kg/ 2.000 kg (STANAG 2)
Alternator	24 V/ 100 A
Batteries	x 1 in the front, inside engine compartment x 1 in the v-hull compartment (option)

Parameter	GT-LRV Specification
Dimensions:	
Short Wheel Base	5.230 x 2.195 x 2.250 mm
Long Wheel Base	5.930 x 2.195 x 2.250 mm
Track Width/ Axle	1.908 mm/ 4x4 independent front/ rear
Wheel Base:	
Short Wheel Base	3.300 mm
Long Wheel Base	4.000 mm
Ground Clearance	400 mm
Angle of approach/ departure	48 degrees
Crew Capacity:	2-4
Protection Level	STANAG 4569 2A/2B

LIGHT RESPONSE VEHICLE

GT-LRV TRANSPORTATION

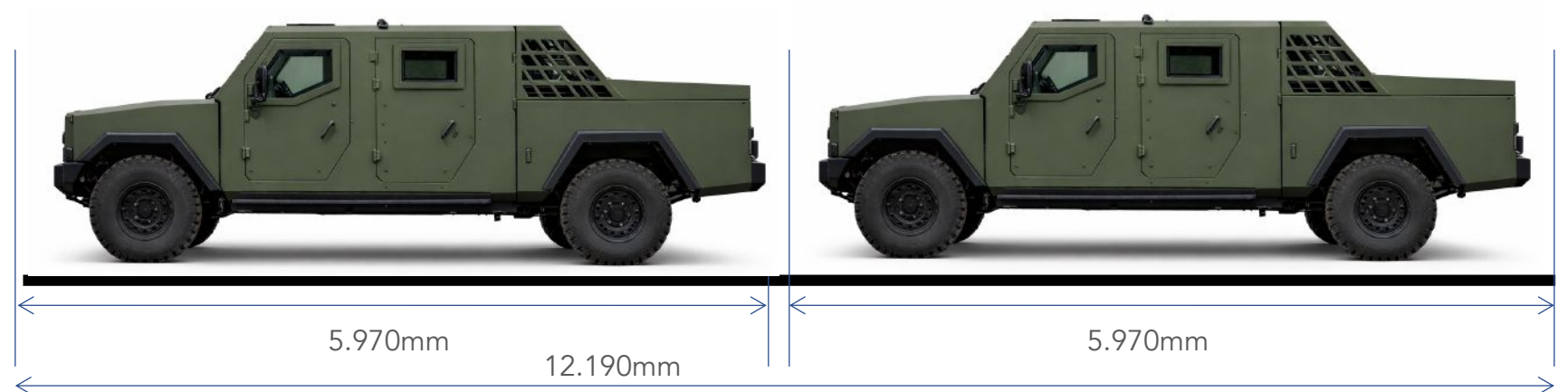
The vehicles can be transported by:



Two units can be shipped in a 40ft flat bed container.

40 FT FLAT BED CONTAINER

Length 12,190mm



LIGHT RESPONSE VEHICLE

STANDARD AND OPTIONAL EQUIPMENT

Standard Equipment	Optional Equipment	
<ul style="list-style-type: none"> ▪ CAN Bus Electrical System ▪ Forward and Rear View Cameras ▪ Air Conditioning Unit, tropical or extreme desert options ▪ Central Tire Inflation System (CTIS) ▪ Run-flat inserts in all tires ▪ Anti-Locking Brake System (ABS) ▪ Central Main Switch ▪ Battery protection system ▪ Mine blast certified seats ▪ Multipoint seat belts ▪ Towing Eyes ▪ Black out lighting ▪ Engine fire suppression system 	<ul style="list-style-type: none"> ▪ Customer equipment integration ▪ Anti-Drone Defense System ▪ Self Recovery Winch ▪ Fire suppression system underbody ▪ Smoke grenade launchers ▪ Weapon mount* ▪ Turret options ▪ Strobe lights ▪ IED Jamming systems ▪ Night Vision System ▪ Fit for radio and navigation system 	<ul style="list-style-type: none"> ▪ PA /Intercom system ▪ Converter 24V to 220-230V ▪ Window wire mesh protection ▪ Antenna mounts ▪ Rifle holders ▪ Wire cutters ▪ Camera recording system with DVR ▪ FLIR and thermal vision systems

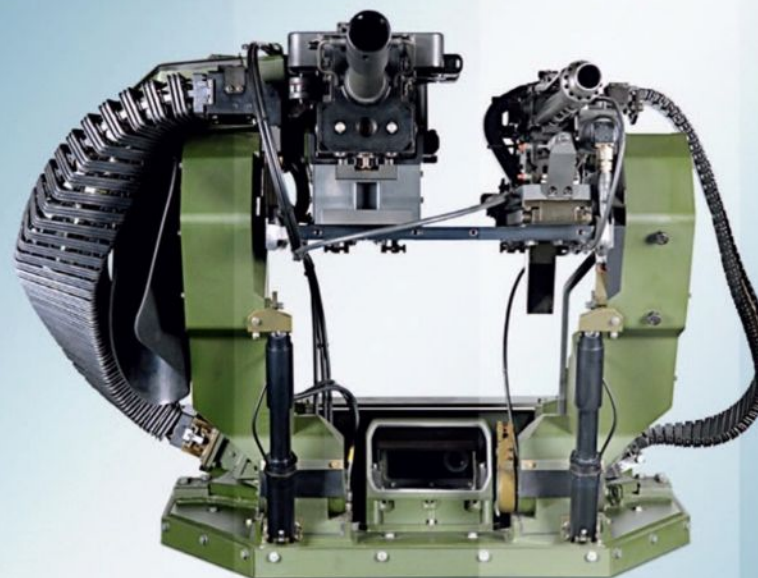
LIGHT RESPONSE VEHICLE

WEAPON STATION WITH MULTI ARMAMENT CONFIGURATION

- Operating and reloading under full protection.
- Option to integrate most remote weapon stations.

Technical Data:

Caliber	Ammo Supply
5.56mm	400 rounds
7.62mm	350 rounds
12.7mm	170 rounds
40mm AGL	44 rounds
Traverse range	n x 360°
Elevation range	-10° to +45°
Bearing diameter	840mm
Weight standard configuration	265kg



LIGHT RESPONSE VEHICLE

CAPABILITY DESCRIPTION

Capability Overview

The GT-LRV is a Light Response Vehicle which is a highly versatile, armored military vehicle designed to perform diverse missions - such as troop transport, patrol, command post, or C4I - using a common platform. It emphasizes high-level protection against mines, IEDs, and ballistic threats while maintaining, for example, high mobility and payload capacity.



LIGHT RESPONSE VEHICLE

CAPABILITY DESCRIPTION

Mission Role

GT-LRV supports the following operational roles:

- Troop Carrying (Armoured Personnel Carrier): Safely transporting infantry squads (typically 2–4 personnel) through hostile territory.
- Command & Control (C2): Serving as a mobile command post for commanders, equipped with advanced communication systems and radios for battle management.
- Protected Mobility/Patrol: Conducting reconnaissance, security, and patrol operations in high-risk, urban, or asymmetric environments.
- Logistics & Tactical Support (TSV): Transporting cargo, ammunition, and equipment to forward operating bases or providing logistical support to frontline forces.
- Reconnaissance & Surveillance: Acting as scouts for mechanized units to monitor enemy locations, strength, and movements.
- Rapid Deployment & Air Transport: Designed for quick deployment by air, making them ideal for rapid reaction forces.



LIGHT RESPONSE VEHICLE

CAPABILITY DESCRIPTION

Key Capabilities and Features:

- Modularity: Many platforms, use interchangeable mission modules, allowing one base vehicle to change roles (e.g., from Logistic Support to APC) in the field.
- High Protection Levels: Featuring a hull for blast protection (STANAG 4569 Level 2 as standard).
- Mobility: Designed for both on-road speed and off-road mobility to operate in diverse terrain



LIGHT RESPONSE VEHICLE

CAPABILITY DESCRIPTION

Platforms and Integration

GT-LRV is platform-agnostic and can be specified as:

- Personnel Carrier, Logistic Platform, Reconnaissance Vehicle or System Platform
- Modelling and furnishing are carried out using a modular system tailored to the needs of the customer/client.

The system is designed for rapid integration into NATO-standard vehicle architectures and battle management systems.



LIGHT RESPONSE VEHICLE

CAPABILITY DESCRIPTION

Interoperability and Networking

- Compatible with NATO C2 and ISR networks
- Supports joint and combined operations
- Enables sensor-to-shooter connectivity across domains

GT-LRV aligns with NATO concepts such as Multi-Domain Operations (MDO) and Joint Fires.



LIGHT RESPONSE VEHICLE

CAPABILITY DESCRIPTION

Operational Advantages

- Rapid Deployment.
- High Speed and Maneuverability.
- Enhanced Urban Operations.
- Lower Weight.
- Operational Flexibility.
- Improved Logistical Support.



LIGHT RESPONSE VEHICLE

CAPABILITY DESCRIPTION

Summary Statement

The GT-LRV represents a critical capability in modern military operations, acting as a versatile, armored, and highly mobile platform designed to bridge the gap between light, vulnerable vehicles and heavy, specialized combat platforms. By integrating advanced ballistic, mine, and IED protection with modularity and robust mobility, these vehicles ensure the secure transport of personnel, equipment, and medical casualties across diverse, high-threat environments.



PARTNERSHIP & CONTACT

SECTOR FOCUSED SOLUTIONS



Ministries

Our platforms support European defense autonomy and NATO interoperability, contributing directly to national security and industrial strength. Designed for seamless integration with allied forces, GermanTec vehicles align with EU strategic goals and compliance requirements.

[Request a strategic briefing](#)



Military

GermanTec Automotive vehicles deliver modular, mission-flexible mobility and certified crew protection for peacekeeping, tactical, and border security operations. Our designs prioritize survivability and adaptability in demanding operational environments.

[Schedule a demo ride](#)



Industry

Open system architecture and standardized interfaces enable collaboration on next-generation vehicle systems. GermanTec Automotive is committed to co-development with European suppliers and supports local production networks.

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EMPOWERING MISSION SUCCESS THROUGH CERTIFIED GERMAN ENGINEERING



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