

MINK MODULAR COMBAT SUPPORT VEHICLE



CAPABILITY DESCRIPTION



 **MINK ARMoured POLICE VEHICLE // MAPV**

MODULAR COMBAT SUPPORT VEHICLE

DESIGN AND SAFETY

PROTECTION LEVELS

- Protected passenger monocoque cell
- Ballistic protection on passenger cabin is STANAG level 2 as standard with STANAG level 3 optionally available.
- 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 3A & 3B

Protected engine compartment

- Radiator grill and engine compartment sides protected to STANAG level 2.
- Bonnet protected to STANAG level 2 at 45 degrees angle of incidence.



MODULAR COMBAT SUPPORT VEHICLE

TECHNICAL SPECIFICATIONS

| Parameter | MAPV Specification |
|---------------------|---|
| Engine | 6.7 l Cummins / 300 hp/ 223 kW 6.8 l MAN (OPTION) 340 hp/ 253 kW |
| Torque | 1100Nm/ 1200NMm @1200 - 1800rpm |
| Transmission | Allison 6-speed Automatic |
| Engine Idle | 750 - 850 rpm |
| Range | 700 km |
| GVW/ Payload: MINK2 | 12,000 kg/ 2.700 kg, 2.000 kg (STANAG 2, 3) |
| Alternator | 24 V/ 360 A Standard: 1 st belt: Alternator, Engine, water pump 2 nd belt: AC system and auxiliary equipment |
| Batteries | x 2 at the front, inside engine compartment x 2 in the v-hull compartment (option) |

| Parameter | MAPV Specification |
|------------------------------|---------------------------------------|
| Dimensions (LWH): MINK2 | 6.120 x 2.370 x 2.640 mm |
| Track Width/ Axle | 1.908 mm/ 4x4 independent front/ rear |
| Wheel Base: MINK2 | 3.600 mm |
| Ground Clearance | 484 mm |
| Angle of approach/ departure | 40 degrees |
| Obstacle Crossing | 484 mm |
| Crew Capacity: MINK2 | 6-8 |
| Protection Level | STANAG 4569 3A/3B |

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PERFORMANCE MAPV STANDARD

| | |
|-----------------------|----------|
| Range | 700km |
| Maximum Speed on Road | 120km/h* |



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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 ▪ Self Recovery Winch ▪ NBC overpressure filtration system ▪ Sniper detection system ▪ 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 |

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TURRET OPTIONS AND SPECIAL CONFIGURATION

- Turnable Turret
- Non-Lethal Munition Launcher
- Run-Flat Wheels
- Wire mesh protection option for all windows
- Camera System with recording device option & GPS
Sensor Camera System
- Thermal (Infrared) Camera Installation
- Protected passenger monocoque cell
- 4x4 Offroad Capability



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Capability Overview

The MINK Armored Police Vehicle (MAPV) is preferred by police and law enforcement agencies primarily for their high mobility on paved roads, lower maintenance costs, and less threatening appearance compared to tracked vehicles. This vehicle is essential for SWAT and tactical teams, offering protection against high-caliber rounds during high-risk operations such as hostage rescue, active shooter situations, and warrant services.



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Mission Role

MAPV supports the following operational roles:

- Tactical Insertion & Team Transport: Delivering SWAT or specialized tactical teams to high-risk scenes, such as active shooter incidents, barricaded suspects, or hostage situations.
- Hostage Rescue & Crisis Response: Providing a shielded platform for negotiations or for approaching, entering, and securing hostile locations.
- Protected Transport & Evacuation: Safely moving personnel, law enforcement officers, or civilians out of dangerous, fire-swept areas.
- Counter-Terrorism & High-Risk Patrols: Conducting patrols in volatile areas, acting as a deterrent to criminal activity, and providing a rapid response capability.
- Riot Control & Public Order: Assisting in managing large-scale civil unrest by offering protection against thrown objects and improvised weapons.
- Search and Rescue (SAR): Utilizing high mobility and armor for rescuing civilians in dangerous or, in some cases, partially collapsed structural environments.
- Command and Control (C2): Acting as mobile command centers to manage unfolding tactical situations, surveillance, and communication.

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Key Functional Capabilities

- **Ballistic & Blast Protection:** Engineered to withstand arms fire, artillery shrapnel, and IED/mine blasts, with many featuring V-shaped underbellies for increased survivability.
- **Modular Design:** Adaptable for specific needs, such as adding specialized breaching tools, surveillance, or medical equipment.
- **Mobility:** Designed for versatile operation in both urban environments and rough, off-road terrain.
- **Self-Defense & Situational Awareness:** Equipped with turret mounts (if required by the agency), firing ports for non-lethal or lethal responses and enhanced surveillance capabilities.
- **Specialized Equipment:** Includes run-flat tires, 360-degree cameras and night vision systems.



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Engagement Modes

MAPV offers flexible engagement options:

a. Offensive/Assault Support

- Armored Insertion: Transporting specialized tactical units (e.g., SWAT, RAID, GIGN) directly into high-risk areas, allowing them to remain protected until the immediate point of intervention.
- Breaching and Clearing: Using the vehicle to break through obstacles (gates, walls) or providing a shielded platform for officers to breach doors, particularly in hostage or barricaded suspect scenarios.
- Direct Fire Support: Utilizing mounted, low-caliber weapons or remotely controlled weapon stations (RWS) to suppress threats from a protected position.

b. Defensive and Protection Operations

- Force Protection: Acting as a mobile, armored shield for law enforcement officers against small arms fire, explosives and shrapnel.
- VVIP/High-Risk Transport: Secure transport of dignitaries or personnel through hostile environments.
- Base/Perimeter Defense: Securing a perimeter during an incident, providing a "hard point" for surveillance and control.

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c. Crowd Control and Riot Management

- Area Denial: Using the physical presence of the armored vehicle to block streets or disperse crowds during intense urban riots.
- Non-Lethal Engagement: Operating from rooftop hatches or ports to deploy tear gas, flashbangs, or rubber bullets.

d. Reconnaissance and Surveillance

- Surveillance Platform: Using integrated cameras, thermal imaging, and high vantage points (hatches) to monitor incidents without exposing officers.
- Intelligence Gathering: Moving into unstable areas to gather intelligence or assess the situation before infantry/officers dismount.

e. Utility and Specialized Roles

- Ambulance/Casualty Evacuation (CASEVAC): Extracting wounded officers or civilians from active hot zones under fire.
- Recovery and Logistics: Using armored recovery variants to tow damaged vehicles or deliver equipment.

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Platforms and Integration

MAPV is platform-agnostic and can be integrated on:

MINK 4x4 Full Cabin in STANAG 2 or STANAG 3

Specialized Tactical Equipment:

- Roof Hatches/Turrets: For observation or non-lethal deployment.
- Cameras & Hydraulic Rams: For breaching, surveillance and entry.
- Run-Flat Tires & Reinforced Chassis: Ensuring operation continues even after ballistic attack.



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Interoperability and Networking

- Tactical Radios & Networks: Secure, multi-band radio systems for encrypted voice and data transmission.
- Intercom Systems: Crew communication systems (e.g., ACE-AR headsets).
- Satellite Communications (SATCOM): For connectivity in remote areas.

Operational Advantages

- SWAT/Tactical Operations: Hostage rescue, high-risk warrant service, and barricaded suspect situations.
- Counter-Terrorism: Rapid response to terrorist attacks.
- Riot Control: Protecting personnel and maintaining order.
- Critical Infrastructure Protection: Securing high-value assets or critical locations.



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Summary Statement

MAPV for police is a specialized, wheeled tactical vehicle designed to enhance officer safety, provide protection in high-risk scenarios, and offer versatile mobility for urban and rural operations. Unlike military APCs, this vehicle is optimized for law enforcement, counter-terrorism, and tactical support, featuring ballistic protection against small arms and explosives.



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SECTOR FOCUSED SOLUTIONS



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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.

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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.

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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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