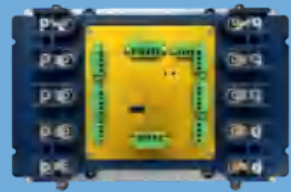
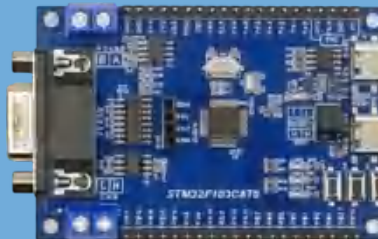
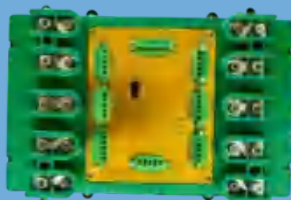




Start Your All-Terrain Exploration.

Official Website
www.nexusugv.com
Email
info@nexusugv.com
whatsapp
+86 18678207076



NexusUGV

ALL-TERRAIN MASTERY.
INTELLIGENT DRIVE.



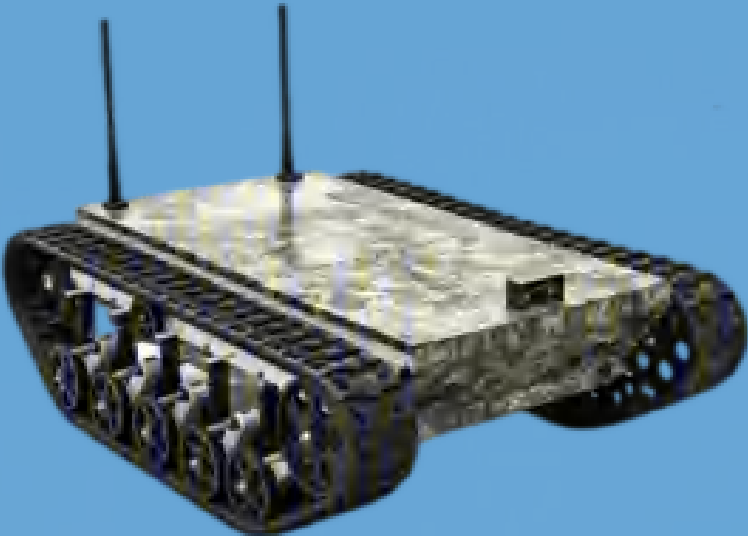
2026
NexusUGV All-Terrain Smart Tracked Series

- Please comply with local laws and regulations. This product is engineered strictly for civilian and commercial applications. Military or unauthorized use in sensitive areas is strictly prohibited.

07-PH

Product Advantages :

- The **NexusUGV 07-PH tracked chassis** features a dual-motor drive system with precise **differential steering**, fully powered and controlled by an eco-friendly pure electric system. Equipped with a 2.4G wireless remote control, it delivers **extended communication range, ultra-stable signals, and effortless operation**. Characterized by its **heavy-duty payload and high versatility**, this open platform is designed for **easy secondary development and equipment integration**—making it the premier choice for logistics transport, autonomous inspection, specialized device mounting, and rugged outdoor exploration.



Applications:

- **Smart Firefighting**
- **Precision Agriculture**
- **Autonomous Patrol**
- **University Robotics R&D**

Technical Specifications Comparison Table

No.	Item	Parameters	Remarks
1	Dimensions	1400 × 1000 × 450 mm	
2	Total Power	4000w	
3	Weight & Payload	Gross Weight: 200 kg, Rated Payload: 300 kg	
4	Speed	0 - 8 km/h	
5	Operation Time	0 - 2 h (Optional)	Customizable
6	Track Width	Rubber Track: 150 mm	High-speed track

07-4L

Product Advantages :

- The chassis is engineered as a 4x4 high-speed all-terrain platform, fully powered by an eco-friendly pure electric drive system and equipped with a double-wishbone independent suspension with shock absorbers. It supports multiple intelligent control modes, including wireless remote control, wire control, and upper computer integration (such as ROS/MCU). Characterized by its heavy-duty payload, exceptional obstacle-clearance ability, expansive space for secondary development, and external power output capability, this versatile platform serves as the premier mobile base for equipment R&D.



Applications:

- **Smart Firefighting**
- **Precision Agriculture**
- **Autonomous Patrol**
- **University Robotics R&D**

Technical Specifications Comparison Table

No.	Item	Parameters	Remarks
1	Dimensions	1100 × 800 × 400 mm	
2	Total Power	2400w	
3	Weight & Payload	Gross Weight: 100kg, Rated Payload: 100 kg	
4	Speed	15 km/h	
5	Operation Time	0 - 8h (Optional)	
6	Track Width	Tubeless Off-Road Rubber Tires	

07-6LL

Product Advantages :

- The NexusUGV 07-6LL is the premium heavy-duty 6x6 upgrade to our classic 07-4L platform. By expanding from 4 wheels to a 6-wheel independent drive configuration, the 07-6LL significantly enhances ground traction, load distribution, and obstacle-clearance performance in the toughest civilian environments.Powered by a pure electric system and built upon an advanced independent suspension network, this 6x6 beast offers a massive structural area for specialized equipment. It retains multi-channel control interfaces (wireless RC, wire control, and upper computer ROS integration via CAN-Bus), making it the ultimate mobile base for heavy-duty commercial customization and advanced robotics research.



Applications:

- Smart Firefighting
- Precision Agriculture
- Autonomous Patrol
- University Robotics R&D

Technical Specifications Comparison Table

No.	Item	Parameters	Remarks
1	Dimensions	1300 × 1000 × 400 mm	
2	Total Power	3000w	
3	Weight & Payload	Gross Weight: 100 kg, Rated Payload: 200 kg	
4	Speed	0 - 20 km/h	Customizable
5	Operation Time	0 - 5 h (Optional)	Customizable
6	Track Width	Tubeless Off-Road Rubber Tires	

07-A

Product Advantages :

- The platform utilizes a variety of composite suspension structures, achieving a longer track-to-ground contact length within the same footprint. Its superior track-to-ground adhesion and compliance significantly enhance the vehicle's all-terrain passability and stair-climbing capabilities. Characterized by its high travel speed, it offers exceptional modular extensibility and highly versatile integration capabilities.



Applications:

- Smart Firefighting
- Precision Agriculture
- Autonomous Patrol
- University Robotics R&D

Technical Specifications Comparison Table

No.	Item	Parameters	Remarks
1	Dimensions	1100 × 800 × 400 mm	
2	Voltage	48V	
3	Weight & Payload	Gross Weight: 100kg, Rated Payload: 100 kg	
4	Speed	0 - 20 km/h	Customizable
5	Operation Time	0 - 8h (Optional)	Customizable
6	Track Width	Firefighting-Grade Rubber Tracks	

07-K20

Product Advantages :

- The NexusUGV 07-K20 is an industrial-grade, multi-functional electric tracked platform designed exclusively for civilian, commercial, and academic integration. Built upon an advanced independent suspension and hydraulic shock-absorbing matrix, the 07-K20 excels in navigating complex terrains with a top cruising speed of 20 km/h. With its high-torque electromagnetic brake motor and an open-architecture CAN-Bus control system, this versatile "beast" serves as the ultimate heavy-duty mobile base for scientific research, field logistics, operational support, equipment mounting, and heavy-duty towing applications.



Applications:

- Smart Firefighting
- Precision Agriculture
- Autonomous Patrol
- University Robotics R&D

Technical Specifications Comparison Table

No.	Item	Parameters	Remarks
1	Dimensions	1700 × 1200 × 500 mm	
2	Total Power	6000w	
3	Weight & Payload	Gross Weight: 300 kg, Rated Payload: 400 kg	
4	Speed	0 - 20 km/h	Customizable
5	Operation Time	0 - 8 h (Optional)	Customizable
6	Track Width	Firefighting-Grade Rubber Tracks	

07-8L

Product Advantages :

- The NexusUGV 07-8L stands as our flagship, ultimate 8x8 heavy-duty upgrade to the 07-6LL platform. By engineering an advanced 8-wheel independent drive and multi-link independent suspension configuration, the 07-8L redefines the limits of ground mobility, load capacity, and rock-solid stability for civilian automation. Fully powered by a pure electric system, its 8x8 drivetrain optimizes weight distribution to an unprecedented level, eliminating ground pressure hot-spots and enabling effortless traversal over complex mud, deep sand, and steep stairs. With multi-channel intelligent controls (wireless RC, wire control, and upper computer ROS integration via CAN-Bus), the 07-8L offers a massive, ultra-stable structural deck, making it the premier open-source foundation for the most demanding commercial robotics and heavy specialized equipment integration.



Applications:

- Smart Firefighting
- Precision Agriculture
- Autonomous Patrol
- University Robotics R&D

Technical Specifications Comparison Table

No.	Item	Parameters	Remarks
1	Dimensions	2000 × 1200 × 450 mm	
2	Total Power	4000w	
3	Weight & Payload	Gross Weight: 200kg, Rated Payload: 300 kg	
4	Speed	0 - 10 km/h	Customizable
5	Operation Time	0 - 4h (Optional)	Customizable
6	Track Width	Tubeless Off-Road Rubber Tires	

07-K50

Product Advantages :

50km/h



Applications:

- Smart Firefighting
- Precision Agriculture
- Autonomous Patrol
- University Robotics R&D

Technical Specifications Comparison Table

No.	Item	Parameters	Remarks
1	Speed	0 - 50 km/h	Customizable
2	Operation Time	0 - 8 h (Optional)	Customizable
3			
4			
5			
6			

Customized Servo Motors for High-Precision Mobility



Product Overview:

To achieve ultimate dynamic response and precise motion control, NexusUGV offers fully customized servo motors engineered specifically for heavy-duty electric tracked and multi-drive wheeled platforms.

By integrating high-resolution encoders, advanced thermal management, and high-torque density within a compact industrial frame, our customized servo motors work seamlessly with our in-house multi-channel controllers. This ensures flawless zero-delay braking, exceptionally smooth differential steering, and rock-solid reliability across the most demanding civilian applications.

Multi-Channel Brushless DC Motor Driver

Product Advantages :

At NexusUGV, we believe that premium hardware demands an equally intelligent mind. This Multi-channel brushless DC motor controller is 100% independently developed and engineered in-house by our core R&D team.

Rather than relying on third-party solutions, we have chosen this proprietary intelligent controller as the unified standard control core across our entire product fleet—including our heavy-duty tracked chassis (07-PH / 07-K20) and high-speed multi-drive wheeled platforms (07-4L / 07-6LL / 07-8L).

Why This Matters for Your Projects:

- **Seamless Integration:** Because we control both the hardware and the software, every tracked and wheeled chassis delivers flawless dynamic response, perfectly optimized mechanical-electrical synchronization, and unmatched electronic differential steering accuracy.
- **Open for Customization:** As the original designer of this controller, we can rapidly customize firmware, modify communication protocols (CAN-Bus/RS485), and adjust power matrices to precisely match your specific civilian application or academic research requirements.



One Core Platform, Versatile Civilian Applications:

Our advanced tracked and wheeled electric platforms provide the rock-solid hardware and intelligent brain (In-House R&D Controller) perfectly optimized for:

- ♦ **Smart Firefighting & Rescue:** Autonomous Firefighting Robots & Emergency Response UGVs. [INDEX]
- ♦ **Precision Agriculture:** Intelligent Spraying Robots & Electric Weeding Vehicles.
- ♦ **Smart Landscaping:** Robotic Commercial Mowers & All-Terrain Lawn Care Platforms.
- ♦ **Universal Development:** Standard Tracked Chassis Bases for Secondary AI Laboratories.
- ♦ **Commercial & Leisure:** Recreational Electric Amusement Vehicles & Advanced Assistive Mobility.