



High-Strength Metal Alloy UGV Chassis with 1.6m/s Maximum Speed and -19° to 55° Operating Range for Outdoor Autonomous Mobility

Our Product Introduction

Basic Information

- Brand Name: TIAN YUE
- Certification: 3c.ce
- Minimum Order Quantity: 1SET
- Packaging Details: Wooden Box
- Delivery Time: 40 Working Days
- Payment Terms: L/C,T/T
- Supply Ability: 10 Sets/month



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Product Specification

- Chassis Material: High-Strength Metal Alloy
- Custom Made: On Demand
- Operating Time: 2-3 Hours Per Charge
- Weight: 60kg
- Chassis Type: Four-wheel Wire Control
- Maximum Autonomous Navigation Speed: 1.6m/s
- Mechanical Name: Security Patrol Robot
- Adapt To Walk On The Ground: Indoor And Outdoor Flat Pavement
- Highlight:
**High-Strength Metal Alloy UGV Chassis,
1.6m/s Maximum Speed Unmanned Ground
Vehicle Chassis**
**-19° to 55° Operating Range Four-Wheel
Outdoor Chassis**



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Product Description

UGV Wire-Controlled Four-Wheel Outdoor Chassis

The UGV Wire-Controlled Four-Wheel Outdoor Chassis is a robust and versatile platform engineered for demanding outdoor applications. Built with a high-strength metal alloy chassis, this unmanned ground vehicle ensures exceptional durability and resilience in harsh environmental conditions, making it ideal for diverse outdoor missions and robotics projects.



This advanced chassis delivers impressive performance with a maximum autonomous navigation speed of 1.6 meters per second, enabling efficient traversal across various terrains. The integrated intelligent detection system provides real-time obstacle sensing and environmental response, significantly enhancing vehicle safety and autonomy for complex outdoor navigation scenarios.

Powered by a reliable 48V Lithium Iron Phosphate (LiFePO4) battery system, the chassis offers extended operational times with excellent thermal stability and safety features. The advanced navigation planning technology enables seamless route optimization and efficient task execution in complex outdoor environments.

Key Features

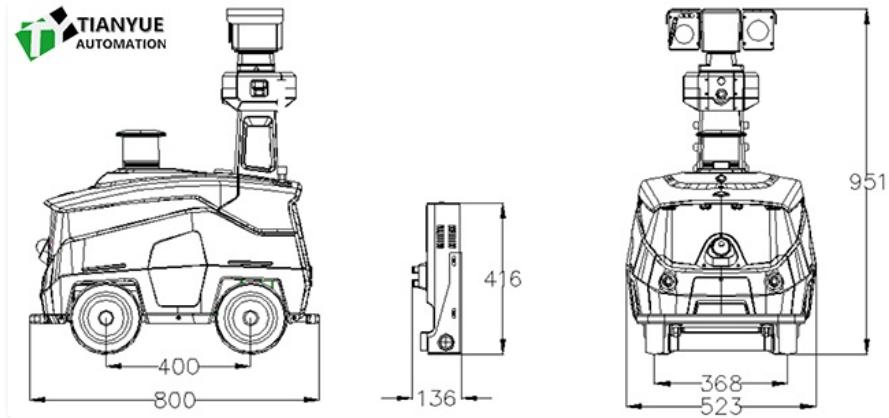
- Product Name: UGV Wire-Controlled Four-Wheel Outdoor Chassis
- Charging Method: Automatic Recharge / Manual Charging
- Wheel Type: All-Terrain Rubber Tires
- Voltage: 48V
- Adapted for walking on Indoor and Outdoor Flat Pavement
- Working Temperature Range: -19° to 55° Celsius
- Supports License Plate Recognition and Patrol Photography applications
- Optimized for License Plate Recognition tasks in various environments



Technical Specifications

Terrain Adaptation	Indoor and Outdoor Flat Pavement
Chassis Material	High-Strength Metal Alloy
Weight	60kg
Power Supply	Lithium Iron Phosphate
Charging Method	Automatic Recharge / Manual Charging
Voltage	48V
Operating Time	2-3 Hours Per Charge
Working Temperature	-19° to 55°
Application	Outdoor Use
Chassis Type	Four-wheel Wire Control





Application Scenarios

The TIAN YUE UGV Wire-Controlled Four-Wheel Outdoor Chassis serves as a versatile platform for numerous outdoor applications. With all-terrain rubber tires and four-wheel wire control, it excels in navigating complex environments for autonomous obstacle avoidance, surveillance, inspection, and data collection missions.

Operating efficiently within a -19° to 55° temperature range, this chassis performs reliably in harsh outdoor conditions. The 48V power system supports advanced features including License Plate Recognition for security and traffic monitoring applications. Automatic Recharge capabilities enable continuous operation for long-duration missions in agricultural monitoring, environmental surveying, and infrastructure inspection.

Customizable options are available to meet specific project requirements, making this chassis suitable for research and development, industrial automation, and smart city applications. With a supply capacity of 10 sets per month and delivery within 40 working days, it accommodates both small-scale and larger deployment needs.





HIGH QUALITY



EASY OPERATION



AFTER-SALES SERVICE



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