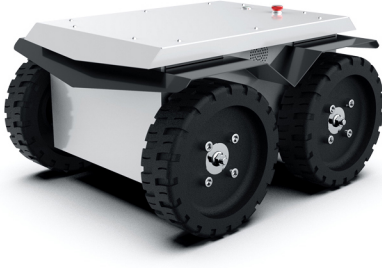


YUHESEN DGT-001M
Composite UGV
Expanding the Limits of Future

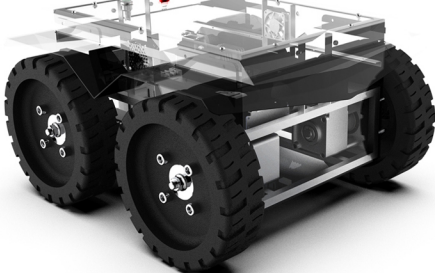
Full-time 4WD | Omnidirectional Moving | Modular Secondary Development | Multiple Security Protections



DGT-01M adapting precise full-time 4WD motion control, not only show high flexibility in most ground condition, but also own surpass obstacle crossing and off-road ability.

Featuring vehicle-grade CAN communication interface, integrated modular design.

t provides the various-expanded solution for mobile robot platform.



Excellent Performance and Precise Control

50KG Loading Capacity, 20° Climbing Capacity, Ramp Parking Mode

Full-time 4WD will take care of
all-terrain condition

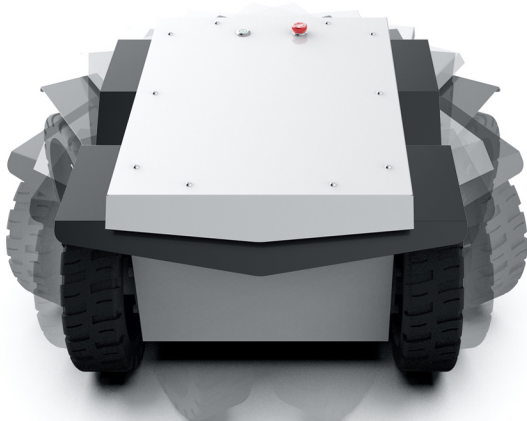


VCU -- Comprehensive Security System

contained 20 security strategies, and run in high-precision control state by-wire. Complete system structure design and superior device algorithm and accurate control strategy. Stability is 30% better than other similar robot chassis.



Full-time Differential 4WD
Compact Design | Flexible Steering | Spin Mode



CAN

CAN 2.0B Interface

ROS

ROS_PACKAGE

BMS

Battery Management System



Differential 4WD



High Payload

Unlimited Possibilities



CAN

CAN 2.0B Interface



High Payload



High-precision Encoder



All-terrain Tires



Modular Mounted Platform

Specifications

Product Size	680*580*380mm	External power supply	24V/15A-12V/15A-5V/4A
Weight	72kg	Braking	Motor Brake
Drive Form	Differential 4WD	Parking	Motor Parking
Material	Q235	Payload	50kg
Ground Clearance	84mm	Speed	5km/h
Wheelbase	380mm	Mileage	20km
Wheel Track	495mm	Wading Depth	70mm
Tire Outer Diameter	300mm	Climbing Capacity	20°
Motor	400W*2 DC Brushless Motor	Span Width	120mm
Battery	48V/20AH	Obstacle Height	60mm
Charging Time	4-5h	Protection Level	IP44
Charging Mode	48V/5A Charger	Communication Interface	CAN 2.0B

Supports secondary development of motion control.

Soft protection for steering extremely.

Supports Level-3 fault processing.

Supports manual charging detection and power state management.

Supports BCC correction and timeout protection.

Supports Remote Control and Autonomous Control switching.

Supports vehicle P/R/N/D gear control.

Supports real-time feedback of battery temperature, power voltage

and battery power.

When you become **YUHESEN** customers,
we will provide you with professional and
efficient technical services

Technical experts will keep in touch with you regularly so that you can
keep abreast of our product updates.

- Open source technical support
- Hardware and software support

- Occasional return visits
- Technology upgrades

