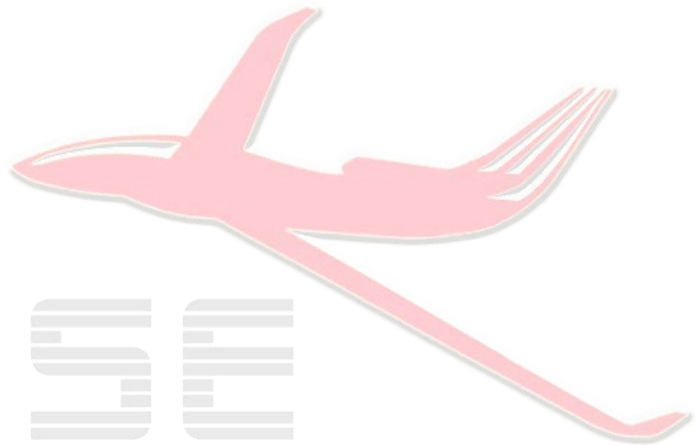


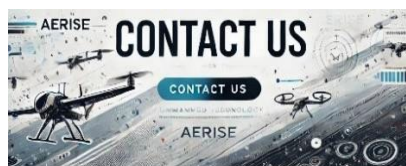
# Outdoor all-terrain Multifunctional transportation robot platform (GT-01 U300)

Updated on Oct 2025

The GT-U300 intelligent follow-up crawler transporter is an intelligent handling platform designed specifically for industrial and agricultural labor collaboration scenarios. It uses dual brushless servo motors to independently drive the crawler system, is equipped with an intelligent following module and an all-round ultrasonic obstacle avoidance array, and is suitable for operations in unstructured terrain such as farmland and orchards.



Category	Parameters	
Function Support	<b>Automatic tracking technology</b>	Integrated with intelligent automatic tracking technology, equipped with an on-board tracking module and a handheld remote control tag, the robot can perform angle turns and automatic tracking based on the handheld tag, making it suitable for a variety of outdoor task scenarios.
	<b>All-weather operation design</b>	IP65 protection rating, operating temperature range of -10°C to 60°C, ensuring continuous operation in harsh environments such as rainy weather and high temperatures. Waterproof and mud-resistant track design allows for operation in heavy rain, ensuring that farming is not delayed.
	<b>Remote control follow dual control mode</b>	Supports manual takeover of remote control mode, barrier-free 100-metre remote control, and also supports close-range follow mode to adapt to different outdoor task scenarios.
	<b>Intelligent collision protection</b>	Integrated with ultrasonic obstacle avoidance close-range detection and emergency stop button, it features automatic deceleration when encountering obstacles and manual emergency braking, ensuring user safety.
	<b>Customizable Operations</b>	The intelligent navigation robot mobile platform supports customized operations and can be customized according to user needs and scenarios. For example, it can set restricted areas in specific areas, prioritize avoiding specific obstacles, and automatically recharge when the battery is low.
	<b>Usage Scenarios</b>	Provides standard mechanical/electrical interfaces, supporting quick installation of agricultural operation modules such as pesticide spraying systems and material transport boxes. Meets all needs from sowing to harvest.



## Product Parameter

Overall dimensions (L*W*H)	1450*1000*950 (mm)
Maximum Speed	1.4m/s
Chassis Quality	250kg
Climbing Ability	30%
Obstacle course (vertical steps)	12cm
Charging time	3h
Material	Q235
Vertical Load	300kg
Steering Motor Power	1500W*2
Theoretical range	>3h
Protection rating	IP54
Battery Capacity	48V 40Ah
Operating temperature	-10-60°C
Emergency Stop Method	Remote emergency stop/hardware emergency stop
Motor control accuracy	± 1rpm

