BEYOND BORDERS

AGILE·X Robotics

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AGILE·X Robotics

T-REX 2.0

Wheeled-Legged Robot

Wheeled-Legged Integration

Perception Fusion

20° Dynamic Obstacle Crossing

ROS open source development

2h Long Battery Life

T-REX 2.0 KEY HIGHLIGHTS

LiDAR+Depth Camera
High Precision Environmental Perception

2h Endurance
Supports automatic charging

1m/s Speed (WHEELED)
High Precision Environmental Perception

5-Linkage Structure
Smooth Movement

ROS ROS 2 GAZEBO NVIDIA

T-REX supports all software platforms listed above

Sensing Module:

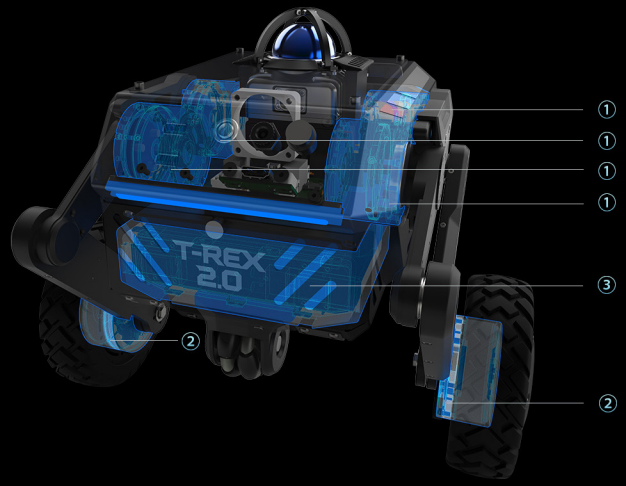
Mid-360① **、Depth Camera**② **、IMU**③

Computing Platform:

Jetson Orin Nano

Drive Structure:

① **Joint Motors×4**
② **Direct-Drive Motors×2**
③ **Quick-Swap Battery**



SPECIFICATIONS

T-REX 2.0

Wheeled-Legged Robot

Mechanical Parameters

Steering	2 Wheels Differential	Suspension Form	Adaptive Dynamics
Size	269x341x215mm(Min.) 242x341x363mm(Max.)	Climbing Ability	20°
Weight	5.8kg	Obstacle Clearance	50mm
Rated Load	1kg	Jump Height	100mm
Axle Track	291mm	Operating Temperature	-10~40℃
Min. Ground Clearance	54mm	IP Rating	IP22
Wheel Size	Diameter 125mm	Brake Method	Servo Brake

Power & Battery Parameters

Speed	1m/s	Outward Supply	24V
Charging Time	2h	Battery Capacity	21.6V/5Ah
Battery Life	2h	Battery Type	Ternary lithium
Max Range	20km	Motor Type	Direct Drive Motor×2 Joint Motor×4

Specifications and configurations shown on this page are for reference only.