



INTELLIGENT ROBOT PRODUCT MANUAL

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ABOUT US

Foxtechrobot is a professional and dynamic company specializing in intelligent automated robotics applications. We aim to offer our customers a variety of products, including educational robots, outdoor mobile robots, and robot accessories to promote the intelligent development of logistics, security, construction, and other industries.

We always keep an eye on the latest trends in intelligent automated robotics and put our customers wishes at the top of our priority list. We believe in high-quality yet budget-friendly products, offering all of these while providing excellent customer service and friendly technical support. That is why we have satisfied customers all over the world.

TR500S

TR500S 50kg Payload All Terrain Rubber Steel Crawler Tank Tracked Undercarriage Unmanned Vehicle Robot Chassis Platform attaches great importance to technological innovation in the research and development process. It can be extensively used for Construction Machinery Parts. What's more, It is made of a material that is environment-friendly, safe, and durable for long-term use.



Specification	
Body Material	1.5mm Steel
Endurance	40min
Maximum Climbing Angle	40°
Maximum Obstacle-Surmount	120mm
Maximum Payload	50kg
Rated Power	300W*2
Running Speed	0-2m/s
Track Width	80mm

TS5.0

TS5.0 crawler tracked robot chassis is made of high carbon steel body, and is equipped with 6 sets of independent suspension with shock absorber, which makes the chassis durable and has an excellent shock absorption effect, allowing it to climb easily and flexibly under high-load operation.



Specification	
Weight	About 100kg
Dimensions	L1000*W810*H410 (mm)
Battery	48V30Ah Lithium Battery
Battery Life	1.5-2.5h
Charger	220V Battery Charger
Charging Time	3h
Rated Power	750W*2
Running Speed	0-2.5km/h
Surface Treatment	Electrostatic Painting
Working Temperature	-20~60 C

TR600

Tr600 Custom 120kg Payload Remote Control All Terrain Ros Rubber Track Crawler Tracked Chassis Frame Manufacturers Ugv Robot developed by the company are the crystallization of the company's technology over the years, fully covering the market demand, and perfectly solving the pain points of the industry. What's more, it is designed based on customer's requirement.



Specification	
Weight	80kg
Dimensions	L980*W595*H350 (mm)
Climbing Angle	30°
Battery Life	2h
Payload	120kg
Running Speed	0-2.4km/h
Track Material	Rubber Track
Track Width	87mm
Body Material	2mm Stainless Steel

KT100

The KT100 is a small, lightweight, easy-to-operate, and flexible dual-arm operation robot. The robot is equipped with 6 high-definition cameras, combined with a 360-degree rotating arm system, which can conduct full-view reconnaissance of the scene.



Specification	
Weight	≤100kg
Dimensions	L950*W650*H720 (mm)
Control Box Dimensions	L480*W400*H210 (mm)
Battery	Rated Voltage 48V, Charging Time <4h
Battery Height	200mm
Climbing Angle	40°
Turning Radius	Spin in Place
Complete Machine Freedom	≤19DoF
Mobile Speed	2m/s
One-Arm Grip	5kg
Working Time	2h

KT200

The KT200 dual-arm special operation robot is designed based on bionics, capable of coordinating both hands like a human to dismantle and operate complex objects, with high flexibility and practicality. Operators can control two mechanical arms simultaneously and monitor remotely in real-time through high-definition multi-angle images.



Specification	
Weight	≤200kg
Control Box Weight	≤13kg
Dimensions	L1100*W730*H1250 (mm)
Battery	Rated Voltage 48V, Charging Time <4h
Battery Height	200mm
Climbing Angle	30°
Turning Radius	Spin in Place
Complete Machine Freedom	≥6DoF
Mobile Speed	0-1.5m/s, Remote Control Variable Speed
One-Arm Grip	≥5kg
Working Time	≥3h

MP-01

MP01 is a compact and versatile inspection and security robot developed. With optimized weight distribution, it can carry up to 150kg of payload. The layered design and standard interfaces make it easy for developers to install and expand a variety of autonomous system components, enabling applications such as unmanned logistics, food delivery, park patrols, and rail inspections. It can also be equipped with a robotic arm.



Specification	
Weight	70kg
Dimensions	L762*W614*H548 (mm)
Climbing Angle	15°
Drive Mode	4-wheel Differential Drive
Turning Radius	Spin in Place
Auto Charging Pile	220V/600W
Crossing Width	50mm
Maximum Remote Control Speed	1.5m/s
Software	Ros1 Simulation Package
Vertical Obstacle Clearance Height	50mm

FW-01

FW-01 is a full-scene UGV with a vehicle-grade CAN communication interface and integrated modular design. It provides modular high-accuracy solutions for mobile robot platforms. FW-01 features omnidirectional moving mode, spinning, and dual Ackermann steering, horizontal and diagonal moving mode.



Specification	
Weight	50kg
Dimensions	L680*W550*H450 (mm)
Battery	36V/30AH
Drive Mode	Four Wheel Drive
Motor	350W*4 Servo Motor
Payload	50kg
Braking	Motor Brake
Ground Clearance	100mm
Speed	5km/h
Tire Outer Diameter	254mm
Wheel Track	420mm
Wheelbase	400mm

FW-01 MINI

FW-01 mini is an omni directional drive-by-wire robotics chassis. With multiple moving modes, it can be used in indoor and outdoor applications. By the modules and navigation systems of LiDAR, GPS and manipulator, etc., this chassis is widely used in inspection, patrol, detection, transportation, logistics, scientific research and various new applications and explorations requiring for mobile chassis.



Specification	
Turning Radius	0m
Motor	100V*4 Wheel Hub Motor
Maximum Climbing Angle	15° (Full Load)
Crossing Width	100mm (Full Load)
Mileage	30km (Without Load)
Obstacle Surmounting Height	40mm (Full Load)
Operating Temperature	-20℃ -50℃
Protection level	IP55
Remote Control Distance	100m
Speed	0-3.6km/h
Vertical Load (Level Road)	30kg
Wading Depth	50mm

R350

R350 Plus robot platform is developed based on the ROS system, which can realize functions such as map navigation, autonomous obstacle avoidance, LiDAR follow, visual follow, visual line tracking, and APP image transmission.



Specification	
Car Weight	35.18kg
Dimensions	L766*W671*H319 (mm)
Battery	22.2V 5000mAh Lipo Battery
Motor	MD60 100W Brush DC Motor
Motor Reduction Ratio	1:47
Encoder	500 Line AB Phase High Precision Encoder
Endurance	4h (No Payload)
LiDAR	LD14 LiDAR/LS 16-line LiDAR
Load Capacity	45kg
Maximum Speed	0.89m/s
Wheels	254mm Pneumatic Rubber Wheels
Servo	WH060 60kg Torque Digital Servo

GOOSEBOT P1

The GOOSEBOT P1 security patrol Robot integrates advanced laser LiDAR, visual cameras, multiple sensors, and AI algorithms, providing modular and customizable autonomous driving solutions for security, server rooms, power, logistics, education, and more.



Specification	
Weight	60kg
Body Dimensions	L680*W480*H1200 (mm)
Climbing Angle	15°
Drive Mode	Front-Wheel Drive
Minimum Turning Radius	0.8m
Minimum Cruising Road Width	0.9m
Minimum Turning Radius	0.8m
Operating Temperature	-20 C +45 C
Positioning Accuracy	< 10cm
Automatic Cruising Speed	0-6km/h
Chassis Ground Clearance	10cm
Wheel Size	Front:10 inches Rear: 10 inches

Stone-01

Stone -01 is an autonomous indoor and outdoor delivery robot used for last-mile delivery, which offers a wealth of convenience for industries such as courier services, property management, and food delivery.



Specification	
Weight	75kg
Dimensions	L670*W555*H700 (mm)
Climbing Angle	15°
Drive Mode	Front-wheel Drive
Drive Type	Electronic Differential Drive
Automatic Cruising Speed	0-6km/h
Charging Time	≤6h
Endurance	8h
Lidar	16-beam Lidar Sensor
Max Cruising Range	24km
Remote Control	4G/Wi-Fi Connectivity
Wheel Size	Front: 10 inches Rear: 10 inches

FOLO-100

The use of wireless technology, spatial perception, real-time positioning systems, motion control algorithms, and multi-sensor fusion, among other artificial intelligence technologies, allows for low-speed autonomous driving of a cart that follows a person when they wear a handheld device.



Specification	
Weight	35kg
External Dimensions	L860*W600*H540 (mm)
Platform Dimensions	L700*W540*H405 (mm)
Turning Radius	Turning in Place
Maximum Load	≤100kg
Charging Method	Manual Charging
Charging Time	4h (With a 5A Charger)
Climbing Ability	≤15° (Full Load)
Maximum Speed	≤5.4km/h (Adjustable)
Movement Mode	Dual-Wheel Different Drive
Remote Control Distance	≤30m
Tire Type	12-Inch Inflatable Tire

FOLO-1000

The Crawler Automatic Following Robot is primarily used in scenarios requiring human-machine collaboration such as factory workshop transport, logistics sorting and distribution, warehouse handling, agricultural greenhouse transport, large supermarket deliveries, residential & park transport, and indoor and outdoor scenarios like highways. It replaces the traditional pushcart function, supporting both single and multiple cart following modes, which can improve work efficiency by 2-5 times.



Specification	
Net Weight	620kg
Dimensions	L1400*W1100*H700 (mm)
Platform Dimensions	L1100*W1100*H300 (mm)
Track Size	L1801xW72xH400 (mm)
Maximum Load	700-1000kg
Turning Radius	Zero Turn
Power Motor	48V 2000W*2
Maximum Remote Control Distance	30cm
Movement Mode	Tracks
Remote Control Distance	1.5-7m
Lifting Height	Hydraulic Lift 1.6m

S30

S30 is a mobile robot designed for indoor use, with excellent mobility and a wide range of sensors (radar, depth camera, collision bar, wheel odometry). has powerful features such as autonomous navigation, automatic recharging, and flexible obstacle avoidance. The interface is simple and user-friendly, with a web interface and API for easy development of mobile applications.



Specification	
Weight	40kg
Dimensions	L500*W500*H222 (mm)
Battery	24V 18Ah
Maximum Load	100kg
Motor	350W*2
Remote Control	2.4G
Steering Mode	Differential Steering
Suspension Form	Independent Suspension
Tread	392mm
Wheel Diameter	165

P200

The P200 is a mobile robot designed for indoor use, with outstanding mobility and a rich array of sensors (dual radar, depth camera, collision prevention bar, wheel odometer). It features powerful functions such as autonomous navigation, automatic recharging, and flexible obstacle avoidance. With a simple and user-friendly interface (web interface, secondary development API) it serves as an excellent platform for users to develop mobile applications.



Specification	
Weight	70kg
Dimensions	L842*W594*H234 (mm)
Battery Type	Lithium Battery
Maximum Climbing Angle	5°
Maximum Load	500kg
Motor	500Wx2
Software Communication Interface	HTTP
Steering Mode	Differential Steering
Suspension Form	Independent Suspension
Tread	400mm
Wheel Diameter	165
Working Time	16h