

Robify Product Manual

Comprehensive Robotics Solutions



Email:

market@robify.com

Address:

Robify LLC
310 Ruthar Dr, Unit 13,
Newark, DE 19711

Website: Robify.com



LinkedIn:

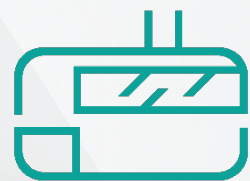


WhatsApp:



WeChat:





Robify

Robify provides comprehensive robotics solutions covering mobile robots, robotic arms, mobile manipulators, and custom robotic platforms. We support both direct product sales and OEM/ODM partnerships, offering flexible customization for industrial, research, and educational applications. Robify delivers full-service robotics — from hardware design to system integration and technical support.



Model	RobiX : An ROS/Autaware-based Autonomous Driving Robot		
Picture			
Drive Type	Ackermann / Differential	Sensing	3D Lidar / Depth Camera / RTK / IMU
Size	983*802*843 (mm)	Computing	Mini-Computer with Intel i7 and Nvidia 1650 or higher
Payload	50kg	Software	Autaware / ROS
Max Speed	1.3m/s	Other Option	360-degree Panoptic view / Remote Monitoring & Control/
Range(hour)	4H	BMS	Yes
Battery	24V 60AH	Applications	Research / Industry / Prototyping

Model	RobiS : An ROS/Autoware-based Autonomous Driving Robot		
Picture			
Drive Type	Ackermann / Differential	Sensing	3D Lidar / Depth Camera / RTK / IMU
Size	450*380*390 (mm)	Computing	Nvidia Jetson Orin Series
Weight	20kg	Software	Autoware / ROS
Max Speed	1.3m/s	Other Option	360-degree Panoptic view / Remote Monitoring & Control/
Range(hour)	4H	BMS	Yes
Battery	24V 12AH	Applications	Research / Industry / Prototyping

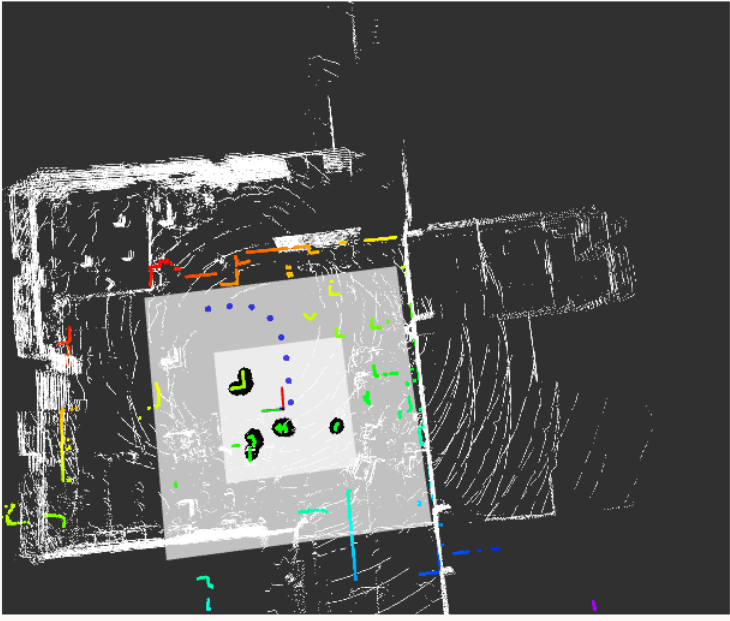
Model

RobiNav : Ready-to-Go SLAM & Navigation App

Robot Status: Online Map Matching Degree: 29.19 Linear Velocity(Vx): 0.3m/s Battery Level 100% 24V

rviz Operation Panel

Move Camera Select 2D Pose Estimate 2D Nav Goal Publis Point



Control Panel rviz

Displays

- Global Options
- Global Status: Ok
- Grid
- Map
- Axes
- PointStamped
- Marker
- LaserScan
- PoseArray
- Path
- MarkerArray
- gloabcostmap
- localcostmap
- MarkerArray_2
- Marker_2
- Path_2
- PoseArray_2
- PointCloud2
- PointCloud2_2
- Marker_3
- Marker_4
- MarkerArray_3
- MarkerArrav 4

Add Remove Rename

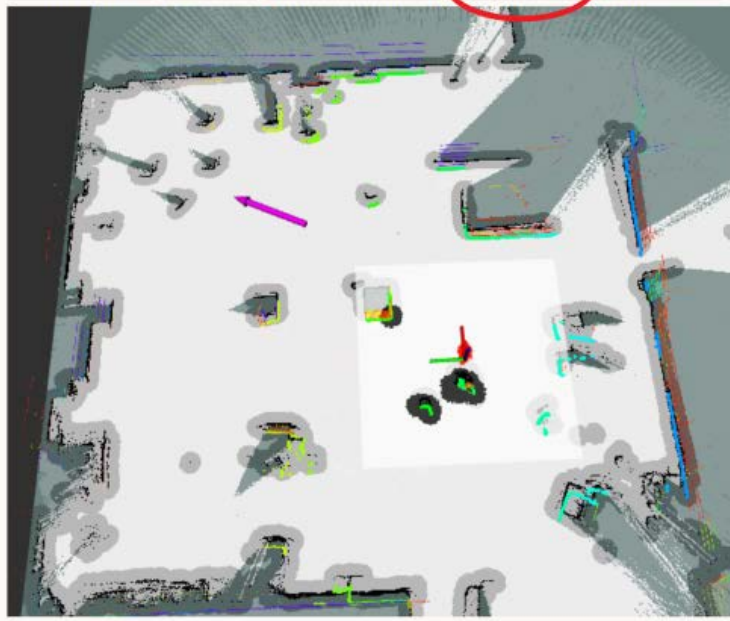
Load config Save config Save config as

Frame: map X: -0.319902 Y: 0.287984 Z : -0.018229 W 0.999794 Charging Posit X : 0 Y: 0 Z: 0 W: 0 State : Loading Rviz config successful!

Robot Status: Online Map Matching Degree: 0.05 Linear Velocity(Vx): 0.3m/s Battery Level 76% 23.3V

rviz Operation Panel

Move Camera Select 2D Pose Estimate 2D Nav Goal Publis Point



Control Panel rviz

Displays

- Global Options
- Global Status: Ok
- Grid
- Map
- Axes
- LaserScan
- PoseArray
- gloabcostmap
- localcostmap
- PointCloud
- Path
- Path_2

Add Remove Rename

Load config Save config Save config as

Frame: map X: -0.088439 Y: -0.033814 Z : 0.0022048 W 0.999972 Charging Position: X : 0 Y: 0 Z: 0 W: 0 State : Navigation successful

Description

Interactive Navigation App: **preinstalled**, ready-to-go

SLAM

3D Lidar Mapping and Localization

Compatibility

All **Robify** mobile platforms

Navigation

Waypoints Navigation / Integrated Movebase

Model	Robi Duo : Mobile Manipulation Lifting Series		
Picture			
Drive Type	Ackermann / Differential	Sensing	3D Lidar / Depth Camera / IMU
Arm Control	Teleoperation / VR Solution	Arm Model	Customizable
Size	710 * 490 * 385 (mm)	Computing	Nvidia Jetson Orin Series

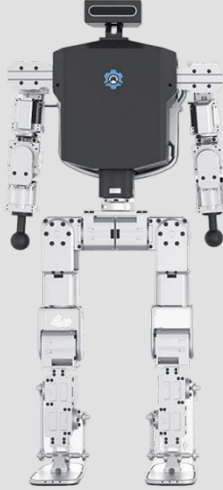
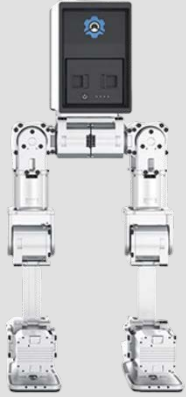
Model	Robi Shuttle		Robi Golf	Robi Fun
Picture				
Drive Type	Drive-by-wire Ackermann-steering			Front-rear steering
Size	2850*1550*1800 mm		3100*1200*1950 mm	2500*1620*630 mm
Weight	600 kg		510 kg	420 kg
Max Speed	25 km/h		30 km/h	45 km/h
Range(hour)	100 km		80 km	100 km
Battery	72V 7.2 kWh		60V 6 kWh	60V 7.2 kWh
Wheelbase	2000 mm		2350 mm	1880 mm
Track Width	1344 / 1312 mm		990 / 1000 mm	1400 mm
Ground Clearance	154 mm		120 mm	210 mm
Applications	Autonomous driving for research, industry, and education / Campus transportation			

Featured

Humanoid / Bipedal

Official Partner of
High Torque Robotics



Model	Mini Pi+	Mini Hi	Mini Pi
Picture			
Robot Type	Humanoid		Bipedal
Standing Height	650 mm	820 mm	590 mm
DOF	20	23	12
Weight	10 kg	17 kg	7 kg
Load	5 kg	5 kg	20 kg
Bounce	10 cm	10 cm	20 cm

Featured

Agilex Arm & Rover

Official Partner of Agilex Robotics



Model	Pipper Arm	Scout Mini	
Picture			
DOF	6	Drive Type	Differential
Base Size	70*70 (mm)	Size	612*580*245 (mm)
Weight	4.2 kg	Weight	23 kg
Reach	626mm	Payload	10 kg / 20 kg (Mecanum Wheel)
Range(hour)	2H	Max Speed	3 m/s
Voltage	24V	Range	10 km
Control	Teleoperation / Drag teaching / Trajectory planning	Obstacle Clearance	115 mm

Sensors and Software Solutions

We design and customize product for broad utilities, both in Hardware and Software.

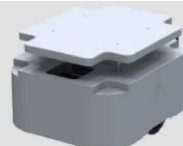
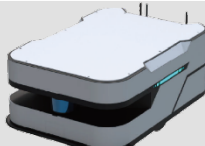
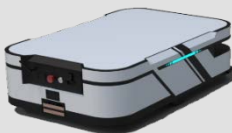
Model	Sensors & Computing device	Software Solution
Picture		 THE AUTWARE FOUNDATION  Remote Monitoring Remote Control AGV Management System App GUI Development Business-level Navigation App 360-degree Panoptic Camera System Customizations
Descriptions	We provide various type of sensors, computing and communication devices. • CPU+GPU minicomputer • 2D / 3D Lidar 16-128 channels • 4G/5G Communication Devices • Mono / Depth cameras • IMU & Ultrasonic sensors • Touch screens / Lighting / Sound system	We offer extensive customization options for software to meet diverse business / research needs. • ROS / CAN Interfaces for sensors & external devices • Autware Lidar navigation Demo & Tutorial • 4G/5G based Remote Monitoring & Control • Business-level Navigation APP for indoor / outdoor • AGV Management APP for factory / warehouse • GUI development and other customizations.

Vendor Product: Quadruped / Locomotion

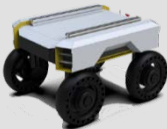
We collaborate with the top quadruped robot manufacturer **Unitree**

Model	Unitree Go1	Unitree Go2	Go-Arm Combo	Go2 W
Picture				
Drive Type	Quadruped			Wheeled
Size	588*290*220 mm	700*310*400 mm	700*310*400 mm	700*430*500mm
Weight	12 kg	15 kg	> 15 kg	18 kg
Max Speed	2.5 – 3.7 m/s	2.5 – 3.7 m/s	30 km/h	2.5 m/s
Load Capacity	4-6 kg	8-10 kg	8-10 kg	8-10 kg
ROS Interfaces	Only for Edu sub-model	Only for Edu sub-model	Yes (customizable)	Yes
Sub-models	For Go1 and Go2, corresponding sub-models are Pro , Air and Edu .			
Applications	We customize for Go-series products with arms and Lidar-camera kit for various scenarios.			

Model	PT-01	PT-01 Pro	PT-03
Picture			
Drive Type	Four-wheel differential driving, turn-in-place enabled		
Size	1085*799*346(mm)	983*614*433 (mm)	1525*980*590 (mm)
Load Capacity	80kg	80kg	200kg
Max Speed	1m/s	1.2m/s	1.5m/s
Range(hour)	2H	3H	3H
Battery	24V 30AH	24V 40 AH	48V 45AH
BMS	No	Yes	
Auto-Recharge	No	Yes	
Application	Autonomous driving, robotics research/prototype , customizable for delivery and patrolling tasks, working indoor/ outdoor /off-road		
Protection Level	IP22(customizable)		

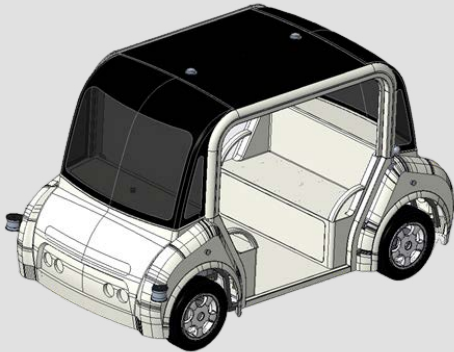
Model	DT-01	DT-01 Pro	DT-02 Pro	DT-03	DT-04	HDT-02
Picture						
Drive Type	Two-wheel differential driving, turn-in-place enabled					
Size	543*420*311 (mm)	684*460*292 (mm)	980*620*265 (mm)	934*650*545 (mm)	1100*951*270 (mm)	1014*458*562 (mm)
Haul Load	50kg	80KG	200kg	200kg	200kg	200kg
Max Speed	1.3m/s	1.5m/s	1.2m/s	1.2m/s	1.2m/s	1.2m/s
Range(hour)	3H	4H	5H	5H	5H	6H
Battery	24V 12AH	24V 20AH	24V 40AH	24V 40 AH	24V 40 AH	24V 40AH
BMS	No	Yes				
Auto-Recharge	Yes					
Application	Factory, hospital, school moving tasks, customizable add-ons, working indoor					Indoor/outdoor
Protection Level	IP22(Customizable)					

Model	MT-01	MT-04	MT-04 Pro	MT-05	ET-01
Picture					
Drive Type	Ackermann-steering / Car-like				
Size	1046*688*462 (mm)	1530*804*440 (mm)	1534*804*443 (mm)	1830*1050*530 (mm)	1365*848*488 (mm)
Load Capacity	80kg	200kg	300kg	500kg	150kg
Max Speed	10km/h	8km/h	8km/h	8km/h	20km/h
Range(hour)	3H	3H	4H	6H	3H
Battery	24V 40AH	48V 30AH	48V 40 AH	48V 60AH	48V 40 AH
BMS	Yes	No	Yes		
Auto-Recharge	Yes	No	Yes		
Application	Autonomous driving, robotics research/prototype , customizable for delivery and patrolling tasks, working indoor/ outdoor /off-road				
Protection Level	IP22(customizable)				

Model	GT-01	GT-02	HT-01	HT-03	MK-01
Picture					
Drive Type	Crawler	Crawler	Omnidirectional (wheel- steering)	Omnidirectional (wheel- steering)	Omnidirectional (Mecanum wheel)
Size	1012*690*442 (mm)	1682*1353*1326 (mm)	805*610*610 (mm)	1500*1350*1250 (mm)	807*512*474 (mm)
Load Capacity	100kg	200kg	80kg	300kg	200kg
Max Speed	1.1m/s	1.2m/s	1.5m/s	1.5m/s	1.2m/s
Range(hour)	2H	2H	3H	3H	3H
Battery	48V 40AH	48V 50AH	36V 40AH	48V 60AH	24V 40AH
BMS	Yes				
Auto-Recharge	Yes		No	Yes	No
Application	Agricultural, field tasks. All-terrain, off-road.				Indoor
Protection Level	IP22(customizable)				

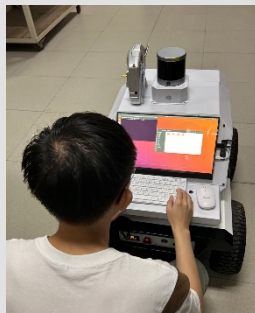
Customization Products

We design and customize product for broad utilities, both in Hardware and Software.

Model	Autonomous Driving / Drive-by-wire Vehicles / ROS / Autoware			
Picture	 			

Customization Products

We design and customize product for broad utilities, both in Hardware and Software.

Model	Autonomous driving / Delivery / Patrol / ROS / Autoware	
Picture		
		
		
		
		
		

Customization Products

We design and customize product for broad utilities, both in Hardware and Software.

Model Factory / Agriculture / Off-road / Special / ROS / Autoware / Business-level Software

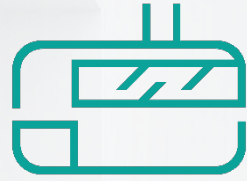
Picture



Our Partners



Partnership



Robify

- Co-marketing
- Proposal Collaboration
- Becoming a Vendor
- Becoming a Distributor
- Sales Representatives

Welcome to Contact market@robify.com for Partnership Inquiries.