



FDATA

Your Trustworthy Robot Solution Partner

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We Specialize in Integrated ODM Project Management

Food Delivery Robot A302-A302D



A302

A302A



A302B



A302C



A302D



Food Delivery Robot A302 Details

This indoor delivery robot is a good helper for fast food restaurants, drinks and delicious pizza are just what customers need

1. Pallet Body Customization
2. LiDAR SLAM
3. Vision Multi-sensor Fusion Algorithm
4. Intelligent Obstacle Avoidance
5. Full Metal Frame



Food Delivery Robot A302A Details

The red wine and western food delivery robot are most suitable for application in your restaurant.

1. Pallet Body Customization
2. LiDAR SLAM
3. Vision Multi-sensor Fusion Algorithm
4. Intelligent Obstacle Avoidance
5. Full Metal Frame



Wire Delivery Robot A302B Details

1. Pallet Body Customization
2. LiDAR SLAM
3. Vision Multi-sensor Fusion Algorithm
4. Intelligent Obstacle Avoidance
5. Full Metal Frame



Food Delivery Robot A302C Details

1. Pallet Body Customization
2. LiDAR SLAM
3. Vision Multi-sensor Fusion Algorithm
4. Intelligent Obstacle Avoidance
5. Full Metal Frame
6. Insulated box



Plate Recycling Robot A302D Details

1. Pallet Body Customization
2. LiDAR SLAM
3. Vision Multi-sensor Fusion Algorithm
4. Intelligent Obstacle Avoidance
5. Full Metal Frame



Food Delivery Robot A302-A302D Specification



Body & Tray	Three-layer pallets (custom designs available upon request)	
Load weight	Maximum total load capacity of the chassis 60KG (weight can be customized)	
Operating	Climbing angle $\leq 5^\circ$; ramp height $\leq 10\text{CM}$	
	Maximum operating speed 0.8M/S (speed adjustable)	
	Indoor navigation operation + semi-outdoor navigation operation (within 40 meters of the open area, low-speed driving may not drive into the motorway and vehicle mix)	
Obstacle Crossing	Crossing height $\leq 1\text{CM}$	
Wheel Hub Design	Master wheel with motor control*2 + driven wheel*4	
Navigation Positioning Accuracy	$\pm 50\text{mm}$	
Robot System	ROS	
Navigation and Barrier Avoidance	Autonomous planning navigation and obstacle avoidance, SLAM and multi-sen	
Sensors	Monocular camera	2
	RGBD camera	1
	Infrared night vision sensor	4*2
	LIDAR	1
	Ultrasonic Radar	3
	IMU	1
Collision Avoidance	Chassis front bumper + crash emergency switch	
Speaker	Support	
Microphone	Body design, can add as needed	

Learn more please connect us www.fdatarobot.com

*Thank
You!*



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