



FDATA

Your Trustworthy Robot Solution Partner

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We Specialize in Integrated ODM Project Management



Robotic Platform +

DIY on the chassis, client can add any function part above, and then make different Service Robot

Obstacles Avoidance

With smart 3D sensors, Robot Chassis can aware of obstacles at any angle, and keep move

Self-charging

Returns to the docking station and charge automatically, when Robot Chassis is in a state of low power

AI Voice

Equipped with smart chip, Human-Robot Interaction change to be more wonderful

SLAM

Combine Lidar SLAM and Visual SLAM, Robot get simultaneous localization and mapping

Route Planning

Support fixed route setting and autonomous route setting

Antiskid

By the antiskid design at the bottom, Robot Chassis can move on the slippery road

Elevator Communication

The IoT module equipped with robots and elevators realizes the robots, so robots can easily enter and communicate

Robotic Platform A001 Application scenarios



Customizable Robotic Platform



Robotic Platform A001



Obstacle Crossing	Crossing height \leq 1CM	
Wheel Design	Master wheel with motor control*2 + driven wheel*4	
Navigation and positioning accuracy	\pm 50mm	
Robot System	ROS	
Navigation obstacle avoidance	Autonomous planning navigation and obstacle avoidance, SLAM and multi-sensor fusion	
Sensors	Monocular camera	2
	RGBD camera	1
	Infrared night vision sensor	4*2
	LIDAR	1
	Ultrasonic Radar	3
	IMU	1

Learn more please connect us
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*Thank
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