P YOUIBOT

Collaborative Mobile Robot



PLATFORM SERIES

- 200 KG Payload
- Built-in Power Supply for Top Module
- ♦ ≥10 Hours Runtime (Standalone)
- Various Interfaces for Top Module Integration
- Safety Design for Emergency Override
- Flexible Deployment and Cluster Dispatching

P YOUIBOT

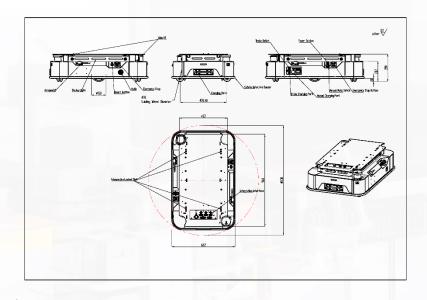


PRODUCT INTRODUCTION

🚫 Robotics for a More Automated world

ABOUT P200

P200 is a versatile solution designed to handle complicated material handling tasks in the manufacturing facilities. It is built with general-purpose interfaces for top module and cobot integration, and larger rated capacity battery to support a full day of operation for both AMR and top modules. P200 supports over various kinds of top modules and cobot to tackle any material transport tasks in warehouses, cleanrooms and production lines.



SPECIFICATION

Category	ltem	Parameter
Main Body	Size	1016*652*290mm
	Weight	180KG
	Turning Diameter	1130mm
	Navigation Mode	Lidar SLAM
	Positioning Accuracy	Positioning Precision: ±10 mm; Angle Precision: ±1°
	Max. Payload	200Kg
Mobility Performance	Max. Speed	1.5 m/s No-loaded; 1.0 m/s Full- loaded
	Rated Speed	1.2 m/s No-loaded; 0.8 m/s Full- loaded
	Path Planning	Visual tracking/autonomous planning
Power & Battery Safety Design	Battery Type	Lithium iron phosphate, 60Ah
	Battery Life	Cycle life \geq 2,000 cycles; DoD \geq 80%
	Battery Runtime	≥10H
	Anti-collision Strip	360° Full Protection
	Lidar Design	Diagonal Distribution
	Emergency Stop Button	Left and Right Sides

- P200 is based on laser SLAM's navigation technologies. It achieves repetitive indoor positioning precision at ±10 mm and allows to dock with various of interface.
- The YOUIFLEET dispatching system allows a fleet collaboration of up to 1,000 AMRs under same operation area, enabling a real 'light-out' operation.
- Electrical and safety interfaces for top module integration: Top compartment contains I/O, ethernet, WLAN, power and auxiliary safety interfaces required for cobot and top module integration, offering versatility for solution customization.



P YOUIBOT

Website: en.youibot.com Business: Isla@youibot.com







