

Collaborative Mobile Robot

P200

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**

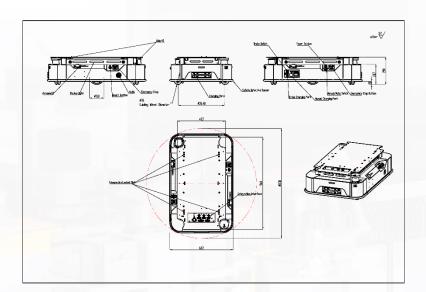


PRODUCT INTRODUCTION



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.



- ◆ P200 is based on laser SLAM 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.



SPECIFICATION

Category	Item	Parameter
Main Body	Dimensions	1020*655*280mm
	Weight	180KG
	Maximum payload	200kg
Navigation	Navigation mode	Laser SLAM
	Navigation accuracy	Positioning accuracy: ±10 mm; Angle accuracy: ±1°
Mobility Performance	Turning diameter	1130mm
	Maximum 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
Power and Battery	Cell material	Lithium iron phosphate
	Battery capacity	48V 60Ah
	Battery life	Cycles ≥ 2,000; DoD≥80%
	Battery runtime	≥10H
Safety Design	Lidar design	Diagonal distribution
	Emergency stop button	Left and right sides
	Anti-collision strip	360° full protection









