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Load Type



Laser SLAM Rotary Lifting Robot

AMB-800K

Carrying Can Be Much Easier



Thinner Body for More Shelf-carrying Scenarios

It is only 245 mm tall for more shelf-carrying scenarios.



360° Rotation, Flexible for Pick-up, Drop-off and Carrying

The steering of the robot body and the lifted goods can be controlled to easily handle narrow space, areas with dense shelves and so on.



More Accurate Localization with Hybrid

Navigation accuracy can reach ± 5 mm. Support multiple navigation method, such as SLAM, QR code and reflector navigation, to meet various requirements in different scenarios.



800 kg Load Capacity for Easy Carrying

Load capacity of 800 kg for carrying loads in a variety of scenarios, including e-commerce picking, material transfer, call delivery, and other productions.

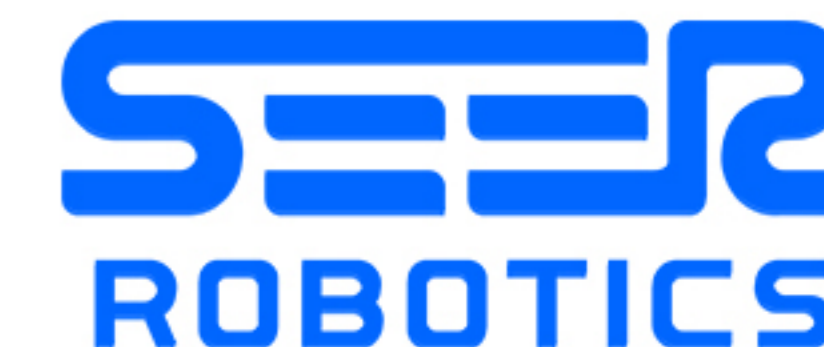


2.2 m/s Running Speed, Faster and More Efficient

Full load with a maximum running speed of 1.8 m/s and no-load with a maximum running speed of 2.2 m/s. Quick pick-up / drop-off of goods in 2.5 ± 0.5 s.

Parameter Specification

● Standard ○ Optional



Basic parameters

Product name	Laser SLAM Rotary Lifting Robot
Navigation type	Laser SLAM
L x W x H	980 x 680 x 245 mm
Rotation diameter	980 mm
Weight (with battery)	150 kg
Maximum load capacity	800 kg
Chassis ground clearance	20 mm
Lifting platform dimensions	Ø640 mm
Maximum lifting height	60±2 mm
Navigation laser scanning height	158.1 mm (H1)
Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation

Performance parameters

Passability (slope / step / gap)	≤5% / 5 mm / 30 mm
Minimum aisle width	820 mm
Navigation position accuracy	±5 mm
Navigation angle accuracy	±0.5°
Driving speed	≤1.8 m/s

Battery parameters

Battery specifications	48 V / 27 Ah (lithium iron phosphate)
Comprehensive battery life	8 h
Charging time (10% to 80%)	≤2 h
Charging method	Manual / Automatic

Configurations

Lidar number	1 (H1)
E-stop button	●
Speaker	●
Ambient lamp	●
Bumper strip	●

Function configurations

Basic functions	●
Wi-Fi roaming	●
Automatic charging	●
Shelf recognition	●
Spin function	●
Precise positioning with QR code	○
QR code navigation	○
Laser reflector navigation	○

Certifications

UN38.3	●
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Dimension (mm)

