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Load type

Laser SLAM Rotary Lifting Robot

SJV-CSK06-YF

Powerful Performance, Ultimate Cost-effectiveness

600 kg Spin Lifting Capacity, 1 Hour Charging 80%

600 kg lifting capacity with spin function, covering various types of handling needs. Featuring a minimal rotating diameter of just 965 mm, it supports flexible passage in narrow aisles, dense areas of material racks. Fast-charging to 80% in just 60 minutes, it delivers 8 hours of uninterrupted performance.

Dual Lasers, 360° Safety Protection

Equipped with advanced navigation laser at the front and obstacle avoidance laser at the rear, our robot ensures a safety operation experience like never before.

3D Visual Obstacle Avoidance, 5 m Safety Protection

With the 3D obstacle avoidance camera, it can scan objects within a distance of 0.3 m to 5 m and achieve depth data measurement of objects within that range, improving safety.

3 Types of Navigation, More Accurate Positioning

Positioning accuracy can reach ±5 mm. Supports multiple navigation, such as SLAM, QR code, laser reflector and 2D NFL. It adapts to various scenarios with the perfect navigation solution.

Unmatched Speed and Efficiency at 2 m/s

Maximum running speed of 1.5 m/s when fully loaded, and 2 m/s when unloaded, which meets the beat demand and operates more efficiently.

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Parameter Specification

● Standard ○ Optional

Basic parameters

Product name	Laser SLAM Rotary Lifting Robot
Navigation type	Laser SLAM
L x W x H	950 x 650 x 255 mm
Rotation diameter	965 mm
Weight (with battery)	142 kg
Maximum load capacity	600 kg
Chassis ground clearance	25 mm
Lifting platform dimensions	850 x 600 mm
Maximum lifting height	60±2 mm
Navigation laser scanning height	195 mm
Ambient tempetarure and humidity range	TEMP: 0℃ to 50℃ / RH: 10% to 90%, no compression, no condensation

Performance parameters

Passability (slope / step / gap)	≤5% / 5 mm / 30 mm
Minimum aisle width	790 mm
Navigation position accuracy	±5 mm
Navigation angle accuracy	±0.5°
Driving speed	≤1.5 m/s

Battery parameters

Battery specifications	51.2 V / 20 Ah (lithium iron phosphate)
Comprehensive battery life	8 h
Charging time (10% to 80%)	≤1 h
Charging method	Manual / Automatic

Configurations

Lidar number	1 (H1)+1 (C2)
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	○

Dimension (mm)