

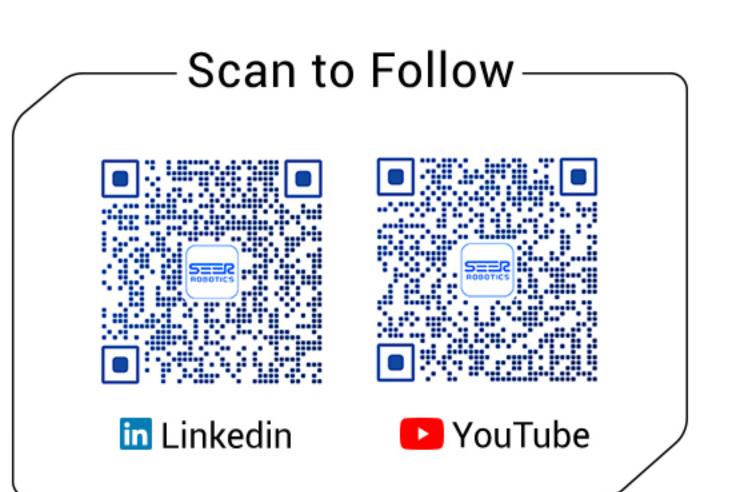








Load type





Laser SLAM Lifting Robot

600 kg Lifting and Handling, Ultimate Cost-effectiveness



600 kg Lifting Capacity with Slim-profile, 1 **Hour Charging 80%**

600 kg lifting capacity, covering various types of handling needs. With a height of just 255 mm, it offers superior adaptability to racks of varying heights. Fast charging to 80% in just 60 minutes, ensuring reliable 8-hour operations.



Versatile Rack Recognition

It can recognize various types of material racks in various industries and moveunder the racks and lift the goods.



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.



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.



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.



Basic parameters

Product nameLaser SLAM Lifting Robot

Navigation type Laser SLAM

L x W x H 950 x 650 x 255 mm

Rotation diameter965 mmWeight (with battery)130 kgMaximum load capacity600 kgChassis ground clearance25 mm

Lifting platform dimensions850 x 600 mmMaximum lifting height60±2 mmNavigation laser scanning height195 mm

Ambient tempetarure andTEMP: 0℃ to 50℃ / RH: 10% to 90%,humidity rangeno compression, no condensation

Performance parameters

Passability (slope / step / gap) ≤5% / 5 mm / 30 mm

Minimum aisle width790 mmNavigation position accuracy±5 mmNavigation 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 $_{8 \text{ h}}$ Charging time (10% to 80%) $_{\leq 1 \text{ h}}$

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	•
Precise positioning with QR code	\bigcirc
QR code navigation	\circ
Laser reflector navigation	\bigcirc

Dimension

(mm)

