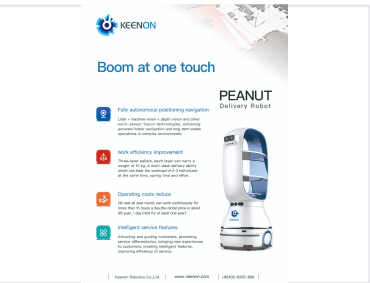
Autonomous Indoor Delivery Robot

This autonomous mobile robot is designed for indoor delivery. It features advanced sensors, navigation, and multi-layer shelving to improve efficiency and reduce labor costs.



ADDITIONAL IMAGES

Overview

Autonomous Indoor Delivery Solution

This autonomous indoor delivery robot is engineered for high-efficiency logistics in commercial environments such as hospitality, healthcare, and retail. Featuring advanced multi-sensor fusion technology, including Lidar and machine vision, it navigates complex layouts safely and reliably. With a three-layer shelving system capable of carrying 30kg total, it effectively augments staff productivity by handling repetitive delivery tasks.

Performance & Navigation

Key Performance Metrics

15 h	0.9 m/s	30 kg
Endurance Time	Max Speed	Total Capacity

Navigation Sensors	Lidar, Machine Vision, Depth Vision, Infrared Sensor, Touch Sensor
Max Climbing Angle	5 °
Minimum Pass Width	70 cm

Physical Specifications

Dimensions & Weight

Attribute	Value
Size	500mm x 500mm x 1200mm
Net Weight	67 kg
Loading Capacity	10 kg per level (3 levels)

Power & Connectivity

Battery Specifications

- Capacity: 12Ah
- Voltage: DC 48V
- Charging Time: 4h
- Standby Time: >48h

Charging Mode

Automatic • Manual

Network Interface	Wi-Fi / 4G
Rated Power	50 W

Durability

Service Life	20000 h