Hotel delivery robot comes in different configurations: 2-compartments, 3-compartments, and 4-compartments. Users can adjust the number and volume of compartments at any time to suit their needs, which not only improves efficiency but also reduces costs.

Deep Camera

LiDAR Sensor

Charge Automatically

10.1" Touchscreen

Compartments

Ultrasonic Sensor & Camera

Emergency Stop Button

Compartment configuration

- 4 Compartments (can be adjusted into 2-compartments, 3-compartments, 4-compartments)
- Detachable compartments, the inner space can be adjusted through the combination of boxes
- Size in 4-compartments state, a single compartment is 425x180x249(mm)
- Load capacity for 4-compartments: 40kg

Sensors

- **Ultrasonic sensor**: Detect glass and other transparent materials
- **Deep sensor**: Detect obstacles with a certain height that cannot be detected by lidar
- **LiDAR sensor**: Detect obstacles with a certain height in 360 degrees
- **Fisheye camera**: 215°FOV, capture visual features of the environment

Battery

- Charging voltage: 24V
- Capacity: 15Ah
- Duration: 10h
- Time to fully charge: 4 hours

Adapter:

- Working voltage: 100~240VAC, 50/60Hz

SLAM positioning system

- Allows the robot to build a map of the surrounding environment and determine the robot's location in real time.
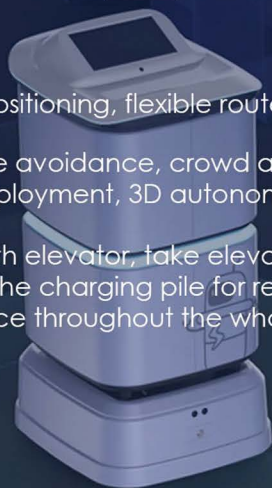- No need to use QR code to mark location.
- Support online and offline map

Size	52*48*120 cm
Net weight	55kg
Maximum Load	40Kg
Tray Capacity	112L
Maximum load capacity	30Kg
Operation duration	Continuous operation >10h
Min. Width	70cm
Slope Climbing	5°
Obstacle Avoidance	1cm
Position Accuracy	Centimeter Level

Leading AI core technology Ensure stable operation Whole process automation

Precise positioning, flexible route planning

Flexible and accurate obstacle avoidance, crowd avoidance, obstacle avoidance
SLAM rapid mapping and deployment, 3D autonomous positioning, map building

Can connect with elevator, take elevator automatically
Automatically return to the charging pile for recharging without human
interference throughout the whole process

Hotel Delivery Robot Applications: