



ATEAGO ROBOTIKS

C2 Delivery Robot Carrier

**Multi-point
delivery**

**Smart
shopping**

**Room
service**

**Smart
hotel**

**Medication
Delivery**

Smart Delivery

Delivery + Shopping + Room Service

Reduce cost &
improve efficiency

Increase revenue &
improve reputation

More secured &
more private

The ATEAGO C2 Delivery Robot Carrier is a service robot which has the following functions such as delivery, guidance, and purchase, and it has a complete ecosystem including the robot, the applet, and the management platform. It can be used in hotels, healthcare organizations, conferences, restaurants, and other occasions, and it can help hotels improve service efficiency significantly. It provides a smarter, safer, and more private accommodation experience, and helps create differentiated brand competitiveness.



C2 Delivery Robot

Four cabinets



Room service
delivery



Self-service
purchase



Food delivery



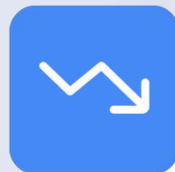
Security patrol



Improve OTA
score



Privacy
protection



Lower cost &
better efficiency



No human
contact

Application
scenarios

Hotel

Conference

Hotel restaurant



Operational Process

Hotel Dispatching



Scan QR code



Purchase/select items



Assign order at backend,
waiter prepares goods



Back to charging pile



Pick up goods/meal



Phone notification



Take elevator



Execute delivery



Delivery



Package/food



Input room number



Release the item

Supporting Service and Functions



1st step: Shopping



2nd step: Robot Delivery



Construct an exclusive robot store for the hotel in only 3 mins 01.

Developed on mini-program, no need to download APP, faster and more convenient; Backend remote management by a professional operation team.



Automatic dispatch, door-to-door delivery 02.

Autonomous obstacle avoidance, automatically ride the elevator, automatic delivery; Automatically call the room to remind guests to receive the goods.



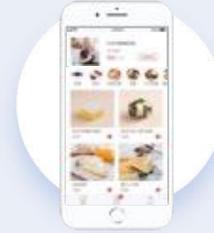
Support various proprietary products 03.

Support hotel products, meals, guest supplies, and other items;
Support hotel proprietary products, adding services or hotel guest necessities;
Support products from nearby shops.

Vending Machine Connection



**Scenario 1:
Shopping in hotel on
the mini-program**



Purchase/select items



Assign order at backend



Automatically load goods
from vending machine



Automatic delivery



Back to charging pile

**Scenario 2:
Buy on-site**



Buy on-site

Item	Specification
Size	1370*1976*967mm (width*high*depth)
Working temperature	0~50°C
LCD screen	21.5 inch LCD screen (optional LCD touch screen)
Cooling	support refrigeration, temperature at 5-15 degrees, support remote adjustment (adjust the temperature)
Type of cargo lane	standard tracked cargo lane
Shipping method	XY axis manipulator delivery method

Co-branded, Multiple colors, Attract Users with Relaxed and Stylish Design Aesthetics



C2 Delivery Robot Composition

Product front view



6 Technology Highlights

Dynamic automatic
planning & navigation

Depth perception
Lidar-SLAM
Integrating positioning

Automatic obstacle
avoidance

Continual OTA upgrade

Stable movement

1m/s rapid HD
mapping

Product parameters



Item	Parameter
Size	52*48*120 cm
Product net weight	55kg
Maximum load	40Kg
Speed	0.5~1.2m/s
Minimum passing width	70cm
Slope Climbing	8°
Obstacle Tolerance	5cm
Position accuracy	centimeter level
Network	4G/wifi
Battery capacity	15Ah
Battery duration	Continuous Operation > 10h
Charging time	4h

Robot Features - L4 Autonomous Driving

Software and hardware integration

Robot perception, decision-making,
motion algorithm

Robot chassis, cabin hardware

Big data cloud platform

Hotel APP, operational mini-program



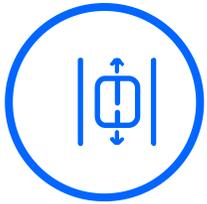
Advantageous original technology

- **Hotel HD map, more accurate**
- **Flexible route planning**
- **Accurate and sensitive obstacle avoidance**
- **Accurate positioning at any position**
- **SLAM, fast map deployment,**
- **Fully self-developed, greatly reduced cost**

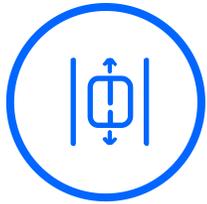
Robot Features - Fully Automatic Operation

Chassis control technology All independent R&D

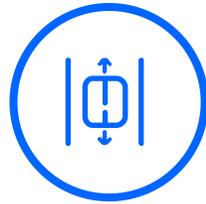
Automatically ride elevator/pass the door/avoid obstacles/recharge battery
Strong walking capability/speedy/stable in getting over the threshold



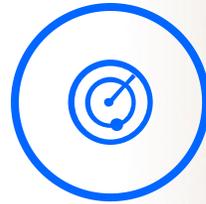
Take the elevator independently



Autonomously pass through the gate



Autonomously pass automatic doors



Automatic obstacle avoiding



Automatic recharge



Automatic calling



Smart map building

- Maximum speed 1.2m/s

- Maximum obstacle height 50mm

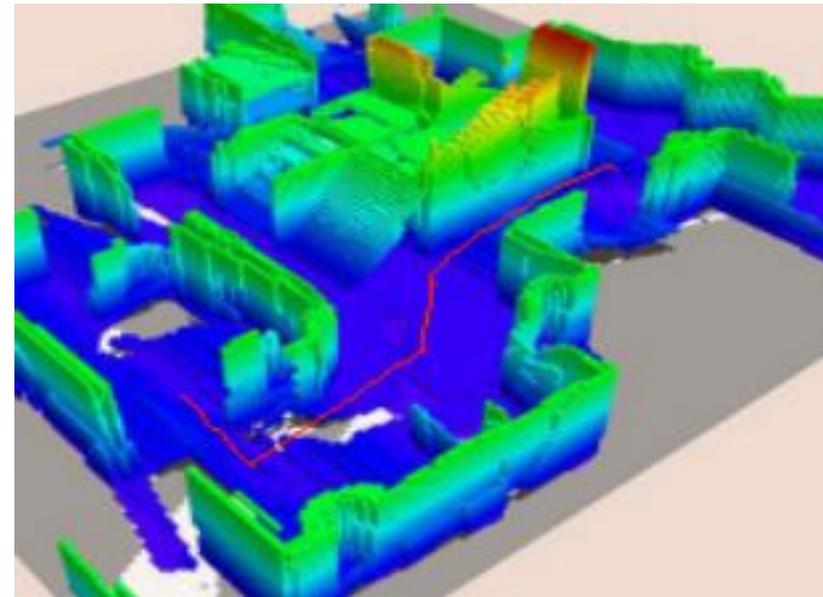
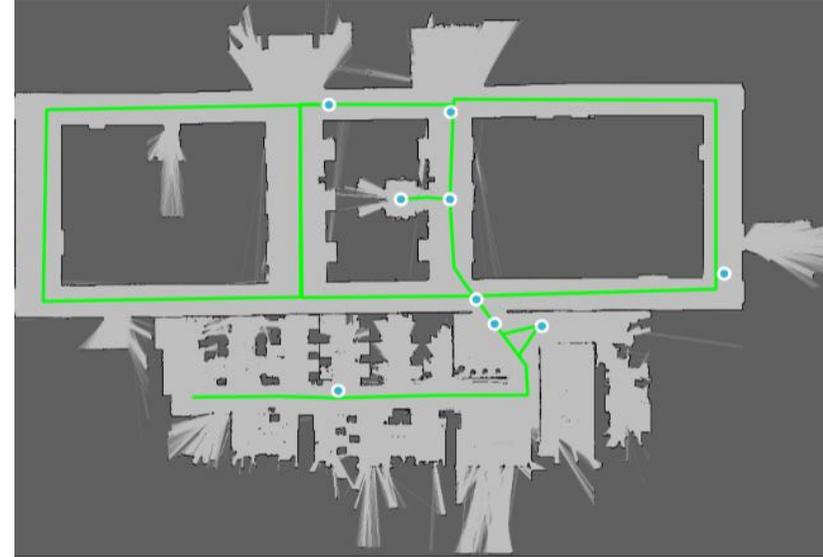
- Maximum obstacle slope 8°



Robot Features - Effective HD Mapping and Deployment

Dual-mode fast deployment

Based on the dual-mode of ToF camera + Lidar, we have achieved rapid map building both in a local environment and in the cloud. With strong data processing capability, low-cost rapid deployment can be achieved easily.



Robot Features - Intelligent Route Planning

AI navigation

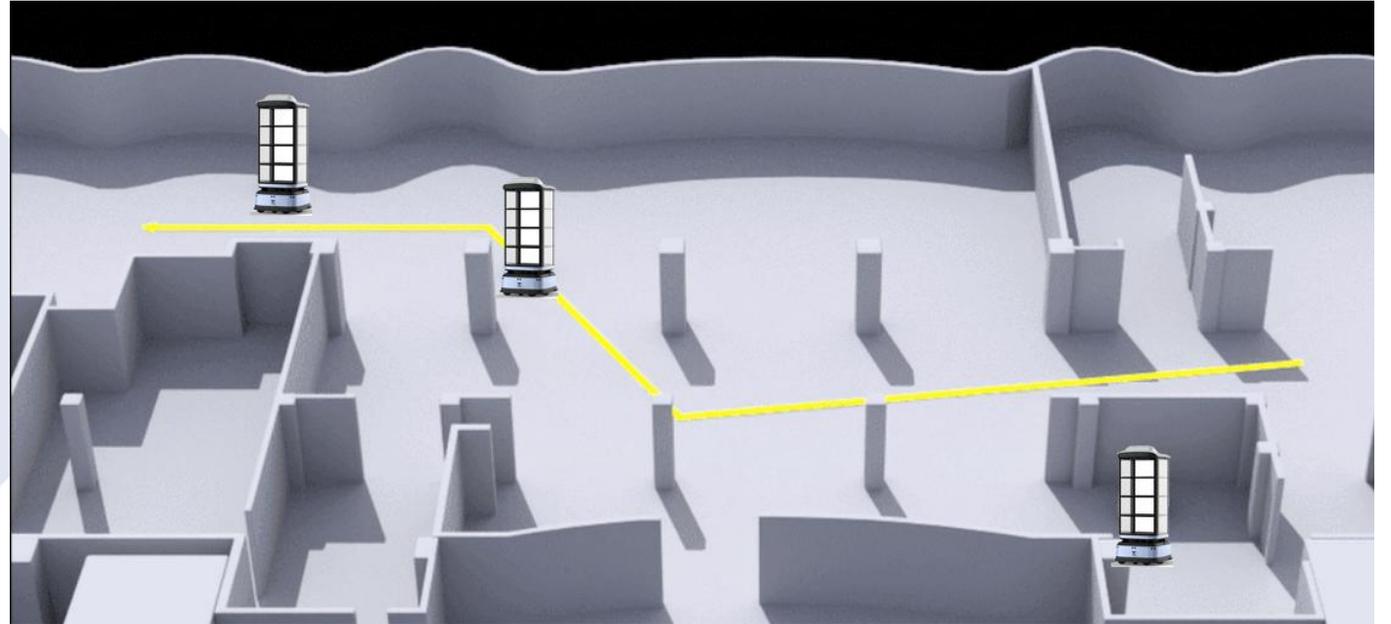
- The shortest route for food delivery
- Optimal route combination for multi-point delivery
- Flexible route shifting when encountering obstacles



Robot Features - Centimeter-Level Obstacle Avoidance

**Visual, lidar, ultrasonic
flexible obstacle avoidance**

- Minimize blind spot
- Stable operation in a complex indoor environment



Robot Features - Large Volume and Load

4 boxes, super capacity & load

- 4 boxes, multi-tasking simultaneously
- The 4-box cabin can be converted into 2-box, allowing larger space and capacity
- Multi-point delivery simultaneously and stronger capability

The single box weight: 10KG

Single layer capacity: 12L



X10



X4



X40



Robot Features - Smooth Transportation

Accurate speed control, quick and steady operation

- Precise speed control, smooth starting and braking
- Autonomous suspension damping solution
- Thick carpet, wooden floor, marble joint, upper and lower slopes can be passed



Carpet



Cement



Floor



Ceramic

Robot Features - Multiple interaction modes

Multiple interaction modes, simple and convenient

- Multimodal interaction with touch screen, voice and mini-program, which is user-friendly
- 10.1 inch large screen, HD image quality display
- AI voice assistant, smart reminder and in-depth Q&A
- 10+ kinds of lighting reminder information



Robot Features – Fully Independent R&D, Cost Advantage

Low Cost

- Self-developed sensor coupling solution with the best price competitiveness
- Industry-leading multimodal robot algorithm with low cost
- Block-based design reducing computation power requirement by 60%
- Mature supply chain system can reduce costs constantly

Perfect performance

- Highly intelligent
- Strong motion capability
- AI intelligent planning
- High accuracy
- Strong practicability

Product Values

Improve service efficiency

- Fast response, delivery in 3 minutes, 7*24h service

Save labor

- Replace manual repetitive work, save cost

Increase revenue

- Increase non-housing income

Enhanced user experience

- No human contact, more secured and private

Boost OTA orders

- Improve reputation, easier to share online influence, increase orders and returned customers

Brand and Competitiveness

- Build hotel service brand and enhance the competitiveness of intelligent service



Thank You

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