Overview of product mix

Laser Radar

3D camera

Infrared sensors

Automatic charging contact piece

Power switch

Drive wheels

Universal Wheel

Why choose a robot chassis?

ATEAGO Teamwork & Trust

1. High R&D investment costs

Pain points faced by robotics companies

2. Fast product iteration

3. Long payback period

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ATEAGO S5 Robot chassis

The chassis is built with ATEAGO' s navigation and positioning system, using 270° LIDAR and double 3D cameras. The driving wheels are designed with an independent suspension structure, significantly enhancing the smoothness of the robot's movement, while the SDK platform is open to all developers, providing a full set of development documentation to help developers quickly validate and develop robot applications.
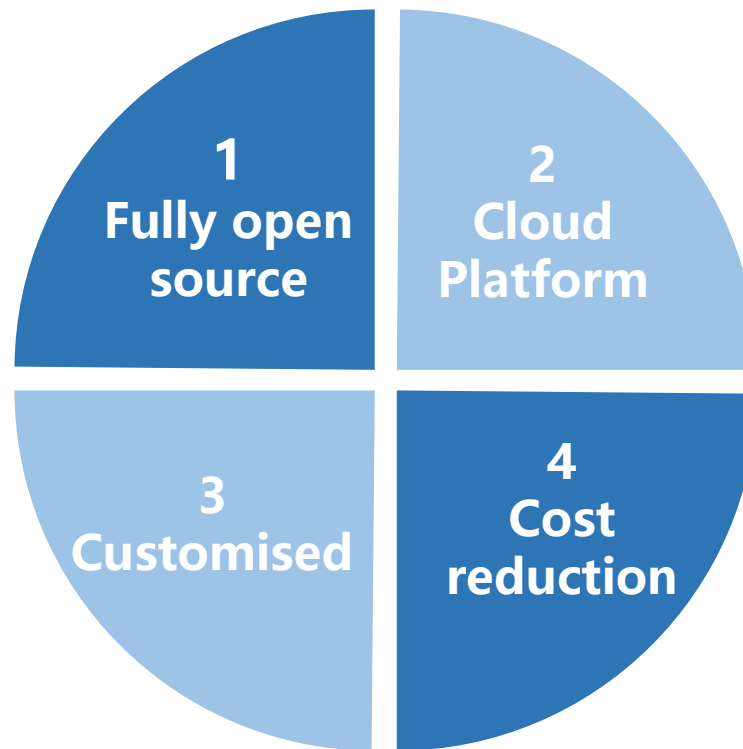
Product Advantages

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Open SDK platform

Completely open hardware and software platform, providing API interface, rich technical support documentation, assisting product development throughout.

Cloud Service Platform

Support remote navigation to build a map for deployment, real-time display of the robot chassis operating status, saving time and easy to operate

Customised development

Extremely scalable, allowing users to customise the upper layer of the application architecture according to their actual needs

Reduced development costs

The chassis has a mature and stable navigation solution, helping companies to shorten product development cycles and reduce R&D investment costs

1 Fully open source

2 Cloud Platform

3 Customised

4 Cost reduction

Functional features

01 Super capacity

The S5 chassis is made of sheet metal construction, with a large capacity of 60 kg, stable and undeformed

02 Intelligent obstacle avoidance

270° autonomous obstacle avoidance, flexible steering, stable and safe operation

03 Remote navigation deployment

Support for remote navigation to build maps, easy and fast robot installation and deployment

04 Independent suspension structure

Smoother robot movements, smooth steering and less wobbling

05 Autonomous dispatch system

Multi-machine collaboration allows for dynamic adjustment of robot avoidance according to task priority, enabling efficient and stable delivery

06 Automatic recharging

Automatic return to charging when the power level falls below the minimum, no manual operation required

Open SDK platform

Extensive interfaces and scalability

The SDK is open to all users, providing a rich API interface with great scalability, and for customers with certain development capabilities, customised development can be achieved according to the needs of scenario applications, meeting the diverse needs of the market for mobile robot chassis.

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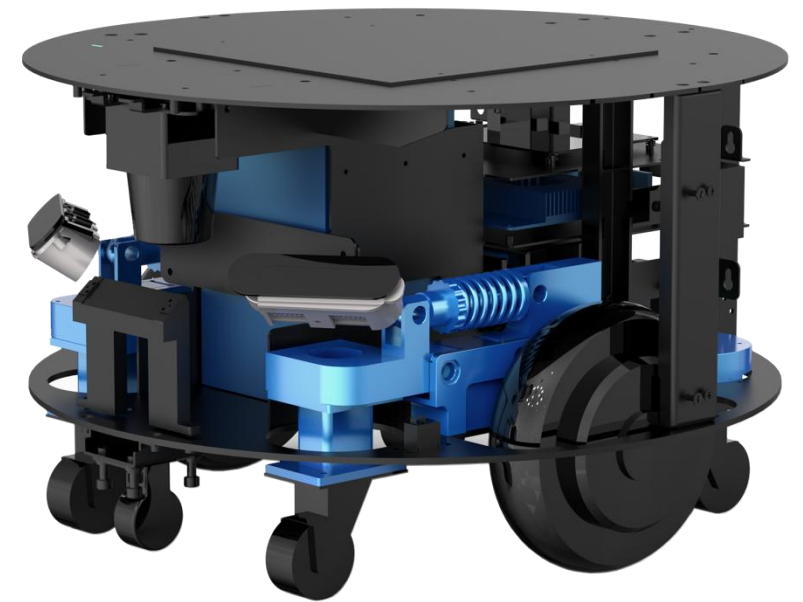
Both side drive wheels with shock absorbing suspension system

During the movement of the robot, the posture is smoother, the steering action is small, and there is no tipping, effectively reducing problems such as slipping of items during delivery.

Autonomous obstacle avoidance

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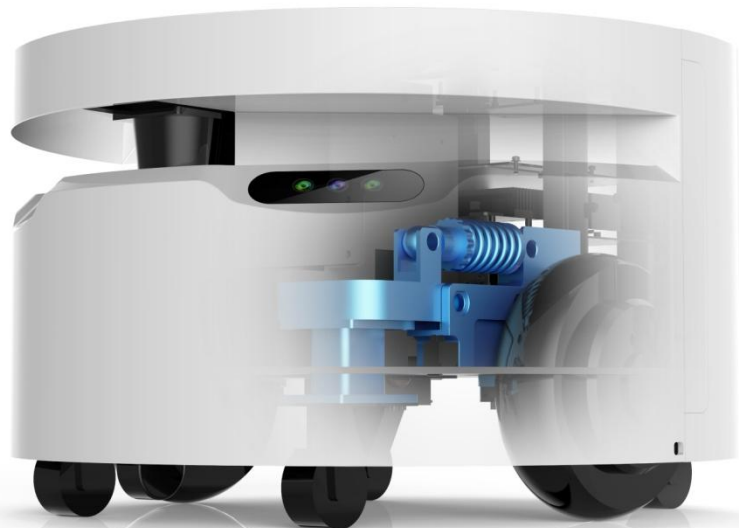
Equipped with ATEAGO SLAM synchronous positioning map building system, high-precision navigation and positioning, Laser radar, dual 3D cameras, all-round perception of the surrounding environment, efficient and stable operation.

Single line Laser

Detection distance 25m, laser wavelength 905 nm Working area 270°

Dual 3D cameras

Vertical angle: 63° Horizontal angle 79°

No need to paste code, accurate positioning

Deployment without posting code

- Robotic navigation deployment without the need to affix codes for auxiliary positioning.
- no need to affix codes to the ceiling and no aesthetic impact on the decoration.
- Customised planning of delivery routes for easier operation.

Highly accurate navigation and positioning

- Proven and stable navigation algorithms for precise positioning
- Multi-sensor fusion technology with LIDAR + dual 3D cameras for real-time sensing of the surroundings

Autonomous dispatch system

Multi-machine collaboration and orderly operation
Avoid blocking the "machine"

The built-in scheduling system, with multi-machine collaboration, can dynamically adjust robot avoidance according to task priority to achieve efficient and safe, stable and reliable delivery efficiency.

Autonomous lift rides (Optional)

Supports most lifts on the market, builds maps for multiple floors, takes the lift independently, controls access control and automatically switches maps to complete cross-floor delivery tasks.
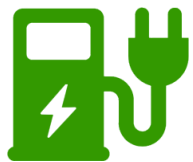
Lithium iron phosphate batteries

High temperature resistant, non-combustible and safe enough
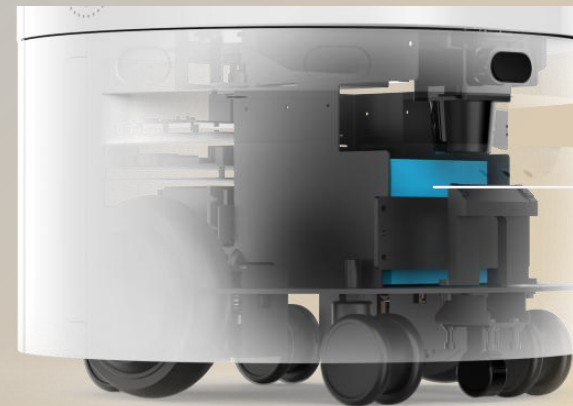
Long battery life, discharge cycles Up to 2000 cycles

2000+

Fast charging support for faster charging

Green, energy efficient and environmentally friendly

No fire, no combustion, absolutely safe, longer battery life

**Lithium iron phosphate batteries**

(25.6V/25Ah)

Automatic recharging

Custom set minimum power value, when the robot's power falls below the minimum value, it automatically returns to charging without manual operation.

Wide range of applications

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The products are widely used in robotics companies, research institutes, universities and robotics training institutions.
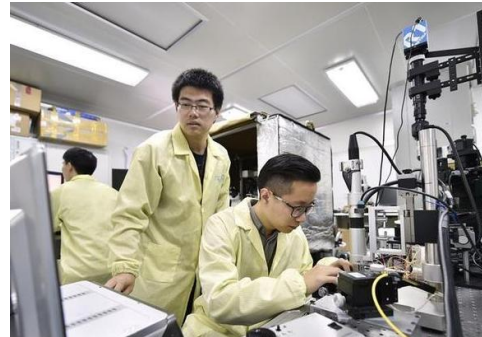
Product parameters

Product number：ATEAGO S5	Life time: 20 hours
Cruising speed: 0.1~1m/s	Charging time: 4 -8hours
Battery capacity: 25.6V/25A·H	Operate System: Android 5.1 or above
Network: Wifi	Product weight: 34KG
Machine size: 500(L)*500(W)*310(H)MM	Bearing weight: 60KG

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Thanks for watching

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