# WELCOME TO ATEAGO

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## PRODUCTS & SOLUTIONS

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## ATEAGO ROBOTIKS S1 Floor Cleaning Robot Floor Disinfecting Robot Unmanned Floor Washer Robot Vacuum Cleaner Automatic Sweeping Mopping Robot

ATEAGO ROBOTIKS S1 Floor Cleaning Robot Floor Disinfecting Robot Unmanned Floor Washer Robot Vacuum Cleaner Automatic Sweeping Mopping Robot automatically perform mopping tasks through unmanned driving technology, relying on mature SLAM robot autonomous positioning and navigation technology, providing smarter and more environmentally friendly The cleaning service supports the setting of timed cleaning tasks, replacing labor with robots, improving cleaning efficiency and quality.

# Product Features

### Timed tasks

Set cleaning time and location in advance
Automate cleaning tasks

### 40,000 ㎡ super large laser mapping

Laser SLAM mapping technology,
Optimized navigation algorithm,
Can be used in large scenes

### Automatic return to charging

If the battery is below the minimum value,
it will automatically return
to the charging station for charging

### Water disinfection filtration system

Automatic filtration and disinfection,
energy saving, environmental protection,
time saving and high efficiency

### Remote navigation deployment

Build navigation maps remotely, saving
time and efficiency, convenient and fast

### Autonomous obstacle avoidance

Multi-sensor collision avoidance and
obstacle avoidance system (3D camera,
laser, optocoupler anti-collision system)

# Convenient maintenance method

## Pull-out type mopping module design

1. Open the lid and automatically turn off the UV lamp, and the recovery tank can be quickly taken out

2. Quick disassembly and assembly of the dust box structure makes garbage disposal easier

3. Pull-out mopping module design makes maintenance and cleaning easier

Water tank

Vacuum box

Lidar

Side brush

Mopping module

# Multi-sensor collision avoidance and obstacle avoidance system

## (Intelligent planning path + autonomous obstacle avoidance + collision avoidance system)

### 3D CAMERA

3D camera anti-collision design, accurate identification of the surrounding environment, autonomous obstacle avoidance, stable operation and safer

### LIDAR

Lidar sensor, 25 meters range
High precision distance detection

### OPTOCOUPLER ANTI-COLLISION SYSTEM

Adopt optocoupler anti-collision system (tap to go back immediately)
Avoid unnecessary losses

# Water circulation filtration, UVC ultraviolet + ground disinfection

15L water tank

Water circulation filtration, saving energy

UVC ultraviolet disinfection ground

Reduce the frequency of adding and changing water

ATEAGO S1 cleaning robot adopts a large 15L water tank, an original water circulation automatic filtration system, purifies sewage, reduces the frequency of water exchange, and saves water resources. The floor disinfection with 16-watt ultraviolet lamp tube, mopping and floor disinfection are carried out at the same time. Supports 40,000 square meters of large-area map construction, meeting the cleaning needs of various occasions, and can replace manual ground cleaning tasks in high-risk environments.

# Working principle

### "弓" WALKING PATH
Use optimized algorithms to achieve clean and full coverage

### INTELLIGENT OBSTACLE AVOIDANCE
3D camera, lidar, optocoupler anti-collision system, multiple anti-collision design, stable and safe operation

### ANTI-DROP
Accurately detect dangerous roads and make detours to prevent the robot from falling

### REMOTE INTELLIGENT CONTROL
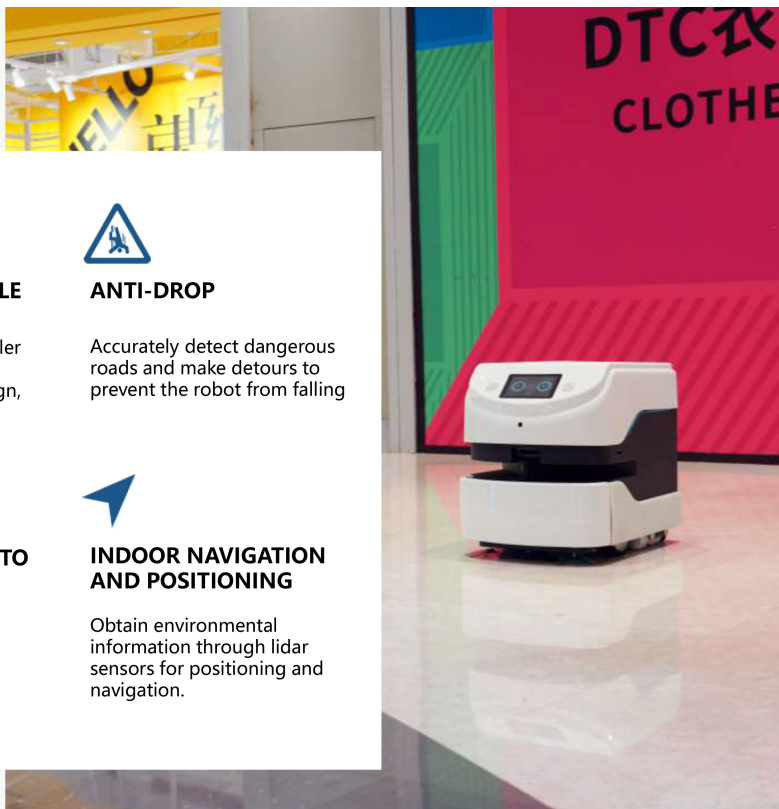Unique cloud service platform, remote assistance to build navigation maps, remote viewing of machine operating data

### AUTOMATIC RETURN TO CHARGING
Low battery automatically returns to the charging pile for charging without human intervention
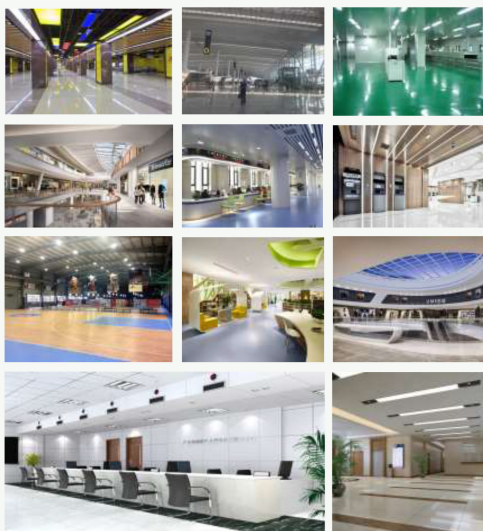
### INDOOR NAVIGATION AND POSITIONING
Obtain environmental information through lidar sensors for positioning and navigation.

# Applicable scene

## Suitable for cleaning large and medium-sized indoor public places

▶ Subway stations, high-speed rail stations, airports, customs ports

▶ Supermarkets, hotels, restaurants, commercial centers

▶ Government affairs hall, factory workshop, bank, office building

▶ Schools, gymnasiums, libraries, museums, science and technology museums

▶ Convention and Exhibition Center, Smart Exhibition Hall, Auto City, Furniture City

▶ Cinemas, hospitals, nursing homes, welfare homes

Floor material requirements: marble, PVC, wood floor, polyurethane, granite, terrazzo, cement floor, epoxy resin, ceramic tile and other hard floors

# Case show


supermarket


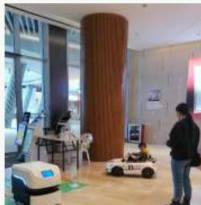restaurant


dust-free workshop


parking lot


furniture Mall


Chain store


shopping mall


office building


Exhibition hall


Commercial Complex


Corporate Office


hotel lobby