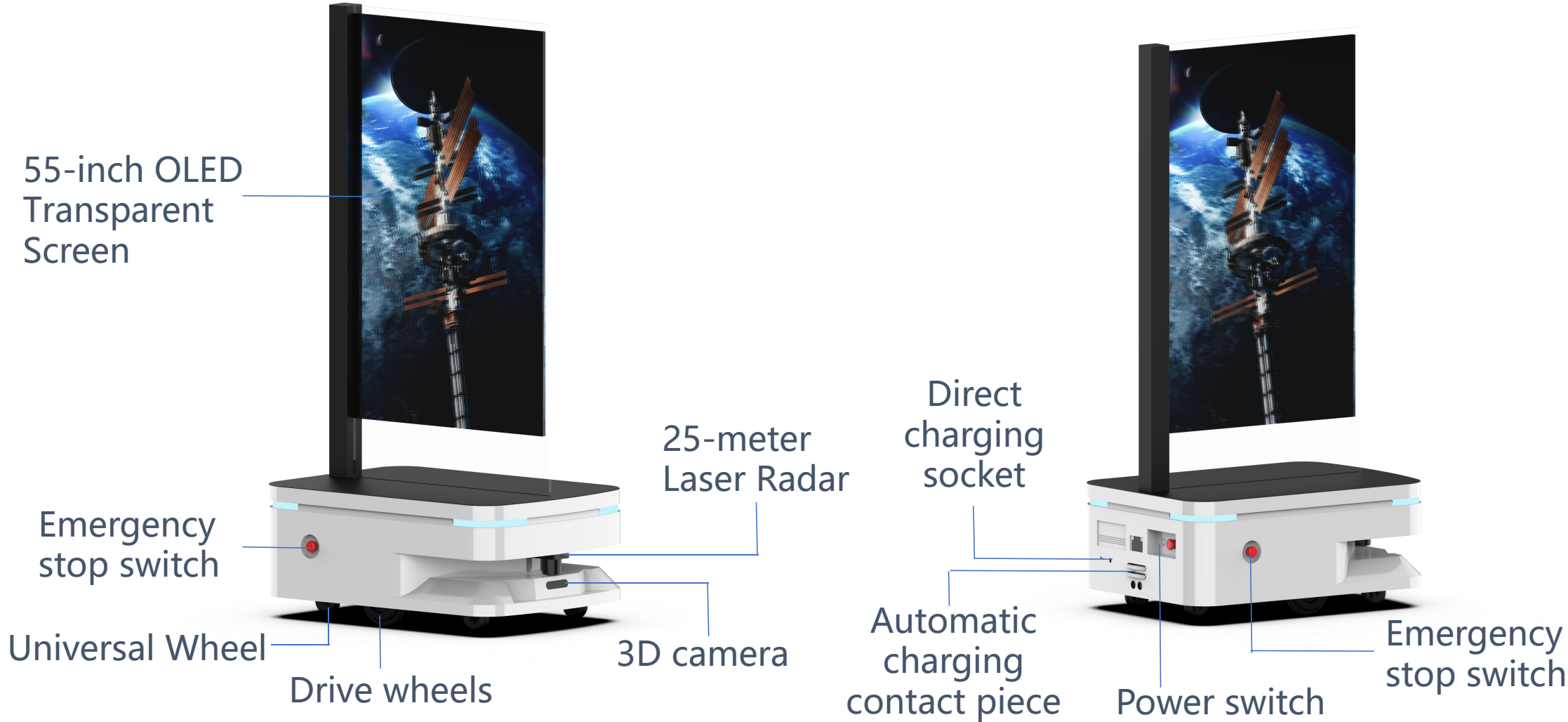




**ATEAGO A1 OLED Advertising  
Mobile Robot**

# Overview of product mix



# Why choosing ATEAGO OLED Advertising Robot



## Pain point analysis

1. The design of enterprise exhibition halls is uniform and lacks eye-catching science and technology-based products.

---

2. Lecturers have a heavy workload in terms of content, and their mechanized work is monotonous and tedious.

---

3. When displaying products at exhibitions, static display products lack highlights and vitality

---

# Product Description



## ATEAGO

### — OLED Advertising Robot

ATEAGO OLED advertising robot, support for playing animated videos, pictures, OLED self-luminous technology, rich and colorful performance, transparent light, perfect picture effect display, built-in Riemann independent research and development of navigation and positioning algorithms, laser navigation, no need to paste the code, independent obstacle avoidance, all-round perception of the surrounding environment, stable and safer operation, ultra-high contrast, super high level of the picture. Automatic trajectory setting walking, convenient for more application scene use.



# Functional features



## 01. Play Video & Pic

AI digital human animated video and slide show images can be played

## 02. 25-meter LiDAR

Long-range perception of the surrounding dynamic changes in the scene, active obstacle avoidance, flexible steering, stable and safer operation

## 03. Remote navigation deployment

Remote assistance in building maps to get robots up and running quickly

## 04. 55-inch OLED display

OLED self-illumination technology, high refresh, high contrast, rich and brilliant color performance

## 05. Customized planning paths

Users can customize the setting of the running track of the advertising robot according to the actual needs.

## 06. Automatic recharging

Automatically returns to charging when the charge level falls below the minimum value, no manual operation required

# Auto play video & pictures

## Customized Track Setting Walking

Indoor autonomous navigation, convenient for more application scenarios; 3D camera + LIDAR fusion technology, no need to paste the code, highly accurate navigation and positioning.

Transparent light-emitting, perfect picture quality display robot chassis equipped with OLED advertising transparent screen, OLED self-luminous technology, rich and brilliant color performance, extremely fast refresh rate.No screen delay, healthy eye protection



# Remote one-touch calling

Depending on the actual needs, choose different calling methods

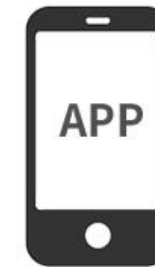
Dedicated robot call button, it is very convenient to summon the robot to the call position anytime and anywhere you want to use it.

## 1 Dedicated robotic call button



Option 1: Use within 800 metres (no networking required)

## 2 Smart watch, mobile phone APP, WIFI control button



Option 2: Unlimited distance use (requires network access)



# Active obstacle avoidance

Equipped with ATAEGO's self-developed SLAM synchronized positioning and mapping system, high-precision navigation and positioning, 25m LIDAR & 3D camera, omni-directional perception of the surrounding environment, efficient and stable operation.

## Single-line laser radar (SLR)

Laser wavelength 905nm Working area 270 degrees, detection distance 25 meters

## 3D camera:

Vertical angle: 63° Horizontal angle 79°





# No need for QR code, precise positioning

## No need for magnetic stripes, guide rails, QR codes on the floor

- Robot navigation deployment, no need to paste QR code on the ground to assist in positioning, showroom more beautiful, laser SLAM navigation, accurate positioning

## Highly accurate navigation and positioning

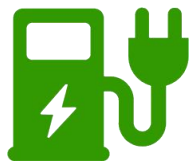
- With mature and stable navigation algorithms
- accurate positioning LIDAR + 3D camera multi-sensor fusion technology
- real-time perception of the surrounding environment



# LiFePO4 battery



High temperature resistant, non-combustible and safe enough



Fast charging support for faster charging



Long battery life, discharge cycles Up to 2000 cycles



Green, energy efficient and environmentally friendly

Battery capacity 38.4V/25Ah, high temperature resistant, non-explosive, non-combustible, safe and secure, long battery life, up to 2000 discharge cycles



Heat-resistant



Non-burning



No explosion





# Automatic recharging

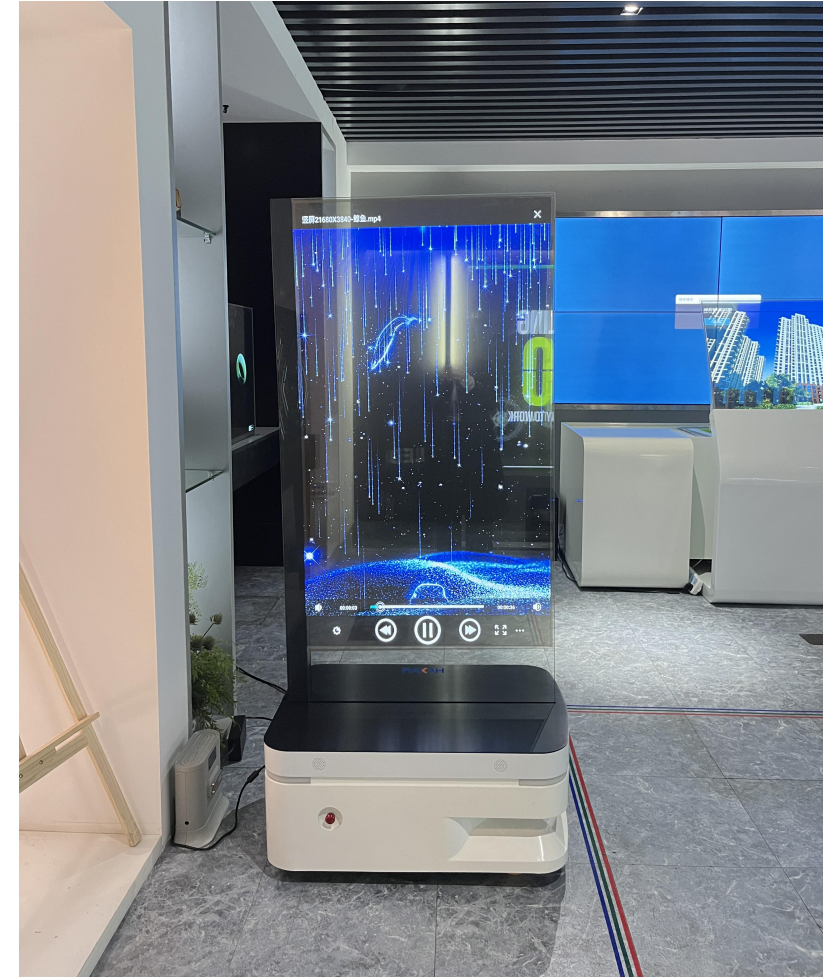
Custom set minimum power value, when the robot's power falls below the minimum value, it automatically returns to charging without manual operation.

- **Customize minimum power value**

Set the minimum power value according to the demand, when the power is lower than the minimum value, the robot will return to charge automatically

- **Automatic navigation to charging\_pile**

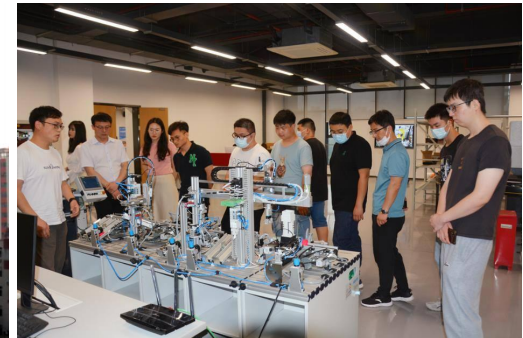
When the power is too low, the robot automatically navigates to the charging\_pile to recharge without manual operation





# Wide range of applications

The products are widely used in enterprise exhibition halls, airports, high-speed railway stations, convention and exhibition centers, science and technology museums, colleges and universities.



# Product parameters

ATEAGO OLED Advertising Robot	
Displays the size	55 Inch
Backlight type	OLED
Display resolution	1920*1080
Ratio	16 : 9
Luminance	200 – 600 cd / m <sup>2</sup>
Contrast ratio	100000: 1
View angel	178°/178°
Response time	0.1ms (Gray To Gray)
Color depth	10bit(R),1.07 billion colors
Configuration System (optional)	
AD board	RK3568
CPU	Quad-core Cortex-A55, with the main frequency up to 1.92GHz
Internal storage	4G
Memory	32G
Operating system	Android 11
Touch	
Capacitive touch	A 10-point capacitive touch control

Power battery parameters	
Power supply input (recharger)	AC 220V
Battery voltage	43.2V
Battery capacity	38.4V 25Ah
Charging method	Automatic recharge of low charge rate. Pile instructions can also be returned manually
The time required to fully charge	5.5 Hours
Battery life	More than 2,000 complete charge and release cycles
Complete machine power consumption	
Work environment	
Performance period	7*12h
Working temperature	0°C~40°C
Use humidity	20%~80%
Structure	
Material quality	Tempered glass + sheet metal
Outline dimension	1775 * 770 * 572 (mm) are detailed in the structural dimensions diagram
Packing measurement	Hard carton
Way to install	foot mounting
Net weight / gross weight	113.5kg ( 249.7 lbs)



The background features a dark blue gradient with intricate, golden, wavy lines that create a sense of motion and depth. These lines are composed of many thin, parallel strands that curve and flow across the frame, particularly concentrated in the lower half and right side.

**Thanks for watching**