

LUCKIBOT PLUS

AI Service Robot

Catch Eyes, Anywhere, Anytime



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LuckiBot PLUS

AI Service Robot



LuckiBot Plus OVERVIEW

The LuckiBot Plus, an AI service robot developed by OrionStar, features a 27-inch HD large screen and is powered by the self-developed RobotOS system. It offers industry customers a wide range of promotional content and marketing solicitation options. Additionally, it supports voice interaction, guiding, customizable large screen backgrounds, and cruising capabilities. This robot is the perfect tool to attract traffic, enhance smart marketing, and elevate service standards.

New

Interaction
Experience

Unique

Dynamic
Promotion

27-inch

HD Display
Screen



Hardware Features

Interactive Screen

- 10.1-inch full HD display.

Large Screen

- 27-inch full HD display.

LG Batteries

- 14 H Static standby
8 - 10 H Continuously working

RGBD

- Navigation and obstacle avoidance with centimeter-level positioning accuracy.



Self-Developed Mic Array

- Powerful AI voice capability, 6-Mic array, works smoothly even in environmental noises of 75dB.
- Voice recognition accuracy is up to 97%.

Hardware Expansion Interface

- The secondary development platform creates more possibilities.

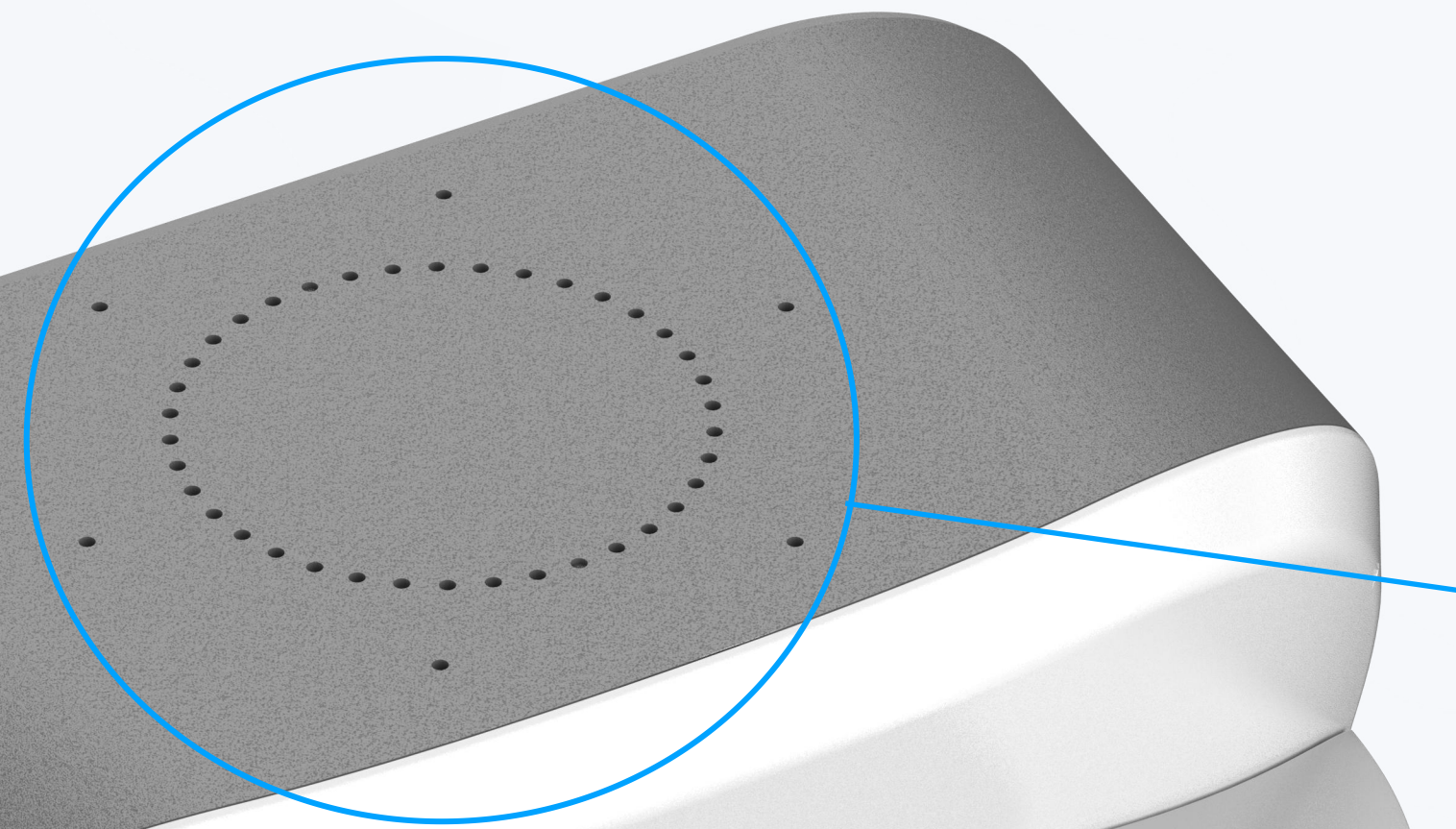


Multi-link vehicle suspension system

- Stable operation in various difficulty environments such as uneven and greasy ground.

6-Mic Circular Array

Fluent Conversation in Noisy Environment



The 6-MIC microphone array has over 97% speech recognition accuracy in noisy environments of 75dB.

Interactive Touch Screen

Multimodal Human-Machine Interaction

The 10.1-inch HD screen supported voice interaction, touch screen control, and provide an ultimate interactive experience.



Qualcomm Snapdragon Octa-Core CPU

Excellent Performance | Exciting Experience



Snapdragon 845

The world's first robot was developed on the Qualcomm platform. Qualcomm Snapdragon 845 is one of the most powerful SOC chips in Android and has industry-leading outstanding performance.

27-Inch HD Display Screen

Customizable display for the large screen

- The two screens 10.1-inch touch screen on the head **and** 27-inch HD large screen are linked together.

- It support various forms of advertising such as images and videos.



IR Camera for Positioning

Accurate positioning at the centimeter level

- Charging Dock Positioning
- Location Spot Positioning
- Location Markers Positioning

The IR camera can be used for location markers positioning, effectively solving issues of robot from falling off.



Hardware Expansion Interface

Creates more possibilities for scenarios

Standard
USB-A Interface

12V Standard
DC Interface

Network Interface
on Motherboard



The technology supports secondary development to adapt to various scenarios and fulfill a wider range of needs.



Expansionary Battery, Powerful Endurance

Large Battery Capacity

- Large battery capacity of 25.6Ah, extended battery life up to 14 hours.

Low Battery Recharge

- When power drops below 10%, it can automatically returns to the charger.

Fast Charging

- The robot can be fully charged within 5 hours, allowing it to quickly return to work.



Precision Navigation

Industry-leading obstacle avoidance technology

- Built-in 210° LiDAR + 3D omnidirectional obstacle avoidance sensor achieves safer operation.

- Built-in RGBD depth camera can **detect small obstacles quickly and accurately.**

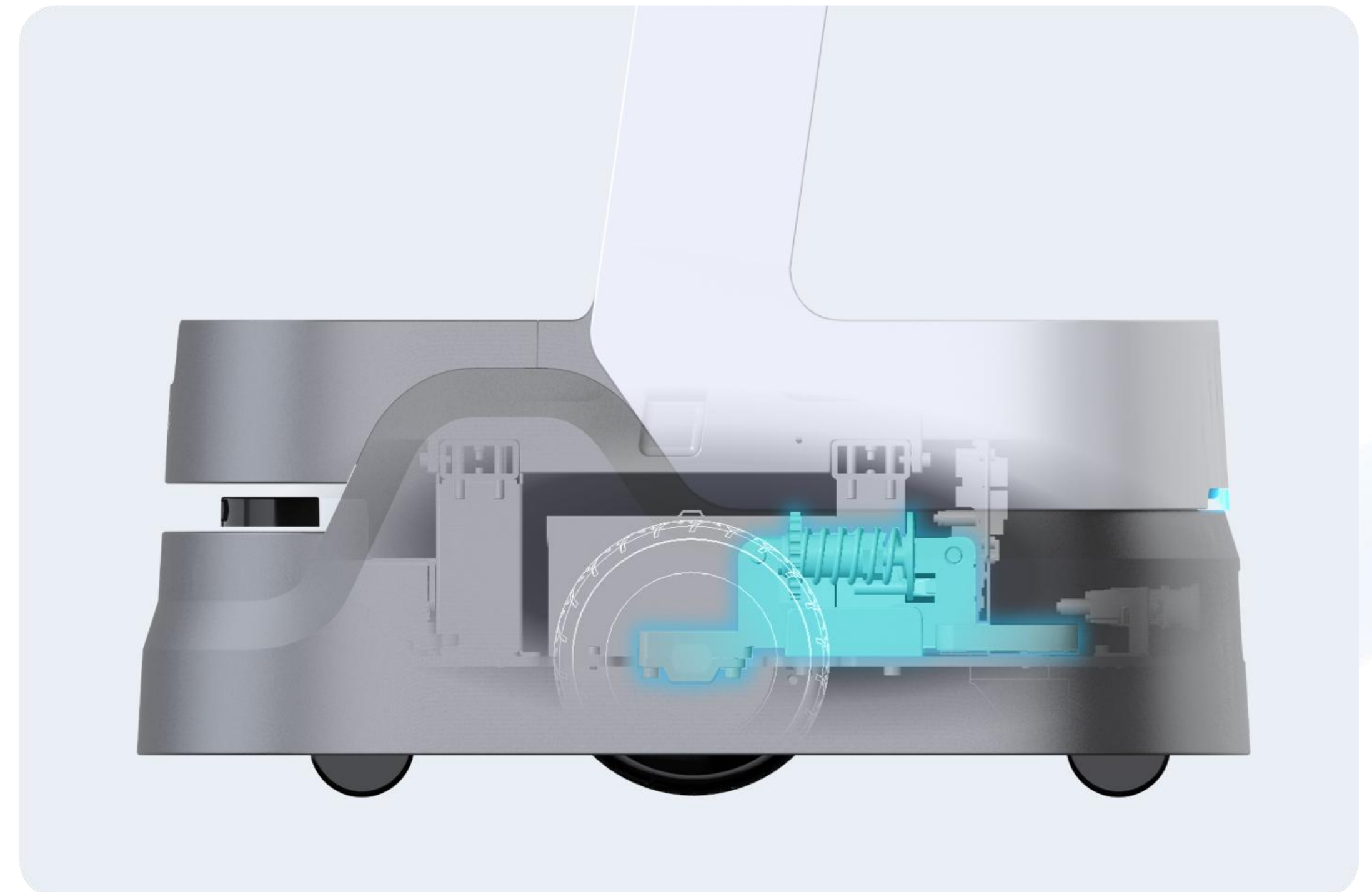
- LiDAR + Vision Combination SLAM Solution Navigation Method ensures the robot can accurately detect and stop when encountering obstacles with a response time as short as 0.5 seconds.



Solid and Stable Chassis

See Clearly, Walk Steadily

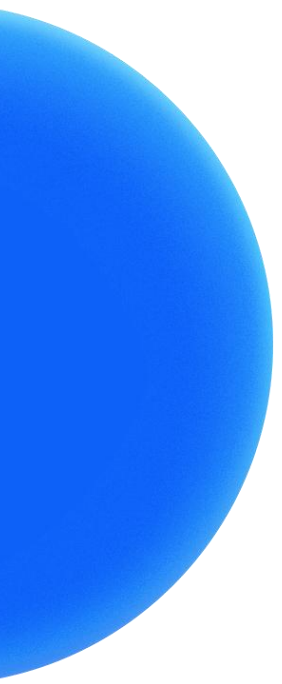
- **Multi-link vehicle suspension system**
Auto-level independent linkage suspension system with high effectiveness to avoid bumps.
- Stable operation in various difficult environments **such as uneven and greasy ground.**



LuckiBot Plus Key Specifications

| | |
|--------------------|---|
| Overall Size | 530 mm x 500 mm x 1320 mm |
| Net Weight | 43 Kg |
| Interactive Screen | 10.1-inch, 1200*1920 |
| Large Screen | 27-inch, 1080*1920 |
| Microphone Array | 6-Mic arrays, 360° sound source positioning, 5 m sound range |
| Hardware Platform | Qualcomm 8-core chip + 32-Bit Microchip MCU+ Depth vision sensor Hardware Platform |
| Battery Life | 8 ~ 10 H (Continuously working), 14 H (Static standby) |
| Charging Time | 5 H |
| Operation System | Android 9 |
| Network Supports | 4 G supports TDD-LTE, FDD-LTE WiFi supports 2.4 G/5 G |
| Navigation System | LiDAR + Visual Positioning + Visual Obstacle Avoidance + Odometer + IMU |





30+ Languages

Intelligent Q&A

AD

Dancing

Proactively Reception

Promotion

Greeting



Dynamic Cruise

Positioning

Tour Guide

Smart Leading

Secondary Development

27 Inch Screen

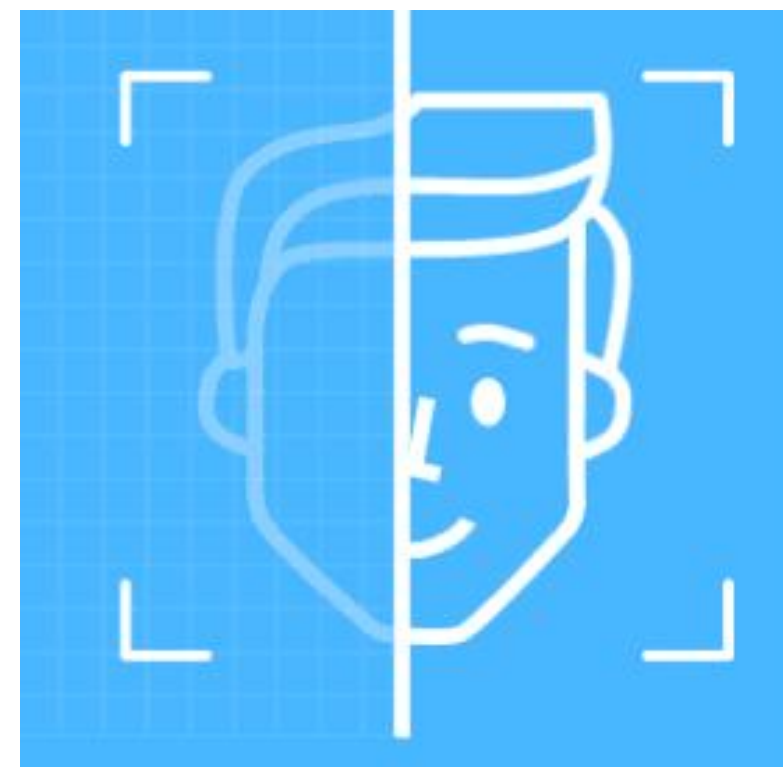
Navigation



Proactively Greeting

Act as Lobby Receptionist

- **Static welcome words can be set**, facial recognition within 0.8-1.5 meters, wake up and greet proactively, **greeting phrases can be customized.**
- **It can be** linked to IoT devices such as access control and turnstiles through secondary development, **and can handle various reception tasks such as interviews and visitors.**



Dynamic Promotion

The most eye-catching billboard

- Recognize faces within 5 meters and actively attract customers, support various forms of advertising such as images and videos.

- The 10.1-inch touch screen and the 27-inch HD large screen are linked together. When playing advertisements, the ad resources will be displayed synchronously on both screens.

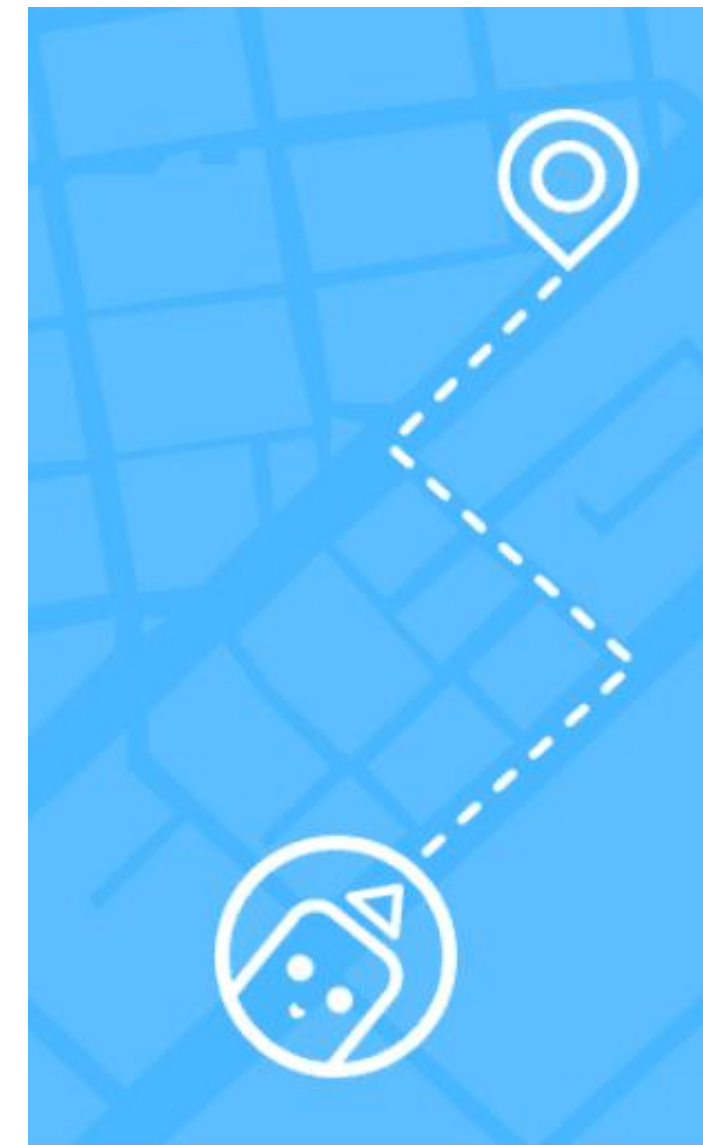
- The robot is capable of performing a range of tasks including selling gift cards, introducing products, and distributing coupons.



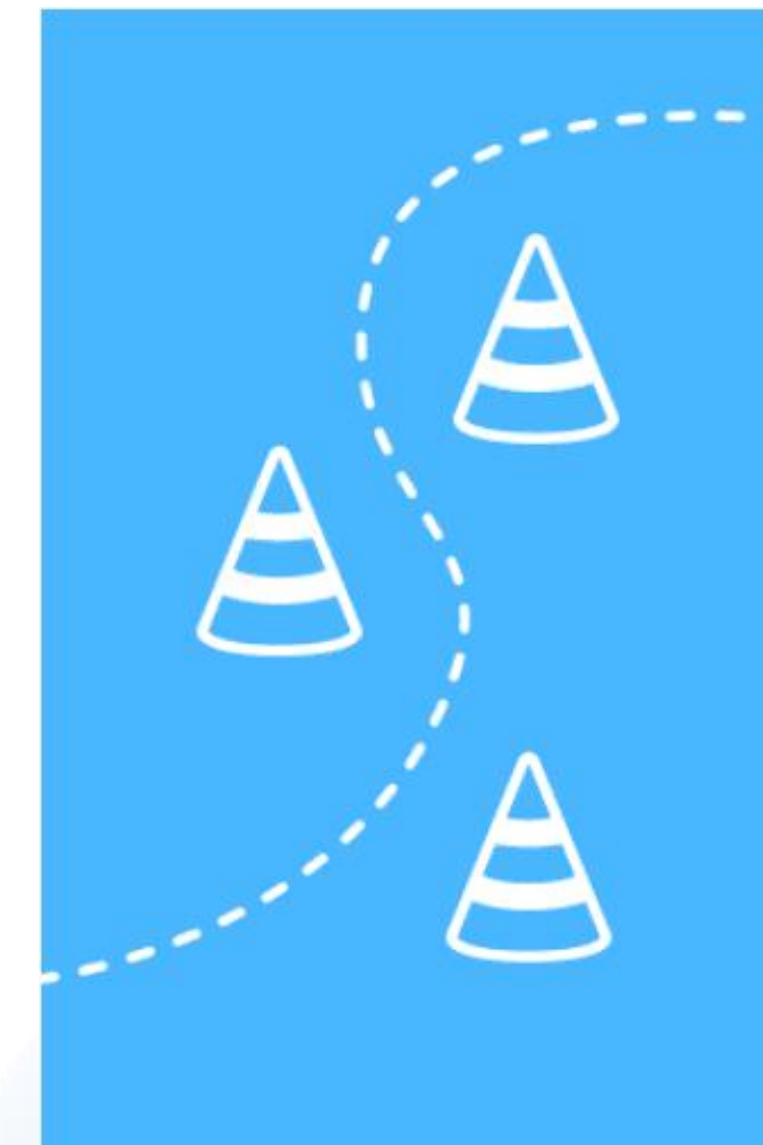
Smart Leading

Self-navigation technology

- Intelligently recognize voice commands, independently plan the optimal path, efficiently lead you the way.
- **Save your time since LuckiBot Plus will guide you to the target locations.**



Intelligent
Guiding



Obstacle
Avoidance

Tour Guide Service

10.1-inch screen for intereaction, 27-inch screen for display

Fixed-point broadcasting

- With a comprehensive map and explanatory content, the robot can guide visitors to the corresponding exhibit locations and broadcasting information.

Custom route tours

- The waypoints on the map can be used to generate custom routes. The robot can follow the pre-set route to guide visitors in an orderly manner.

Large screen linked

- The robot is equipped with a 27-inch non-touch HD screen, which can display multimedia resources from the explanatory materials on the large screen.



Dynamic Cruise Advertising

Mobile customer acquisition tool



Mobile advertising tool

- **The robot** utilizing dynamic cruise advertising to attract attention. It **actively identifies customers and makes recommendations to engage them.**

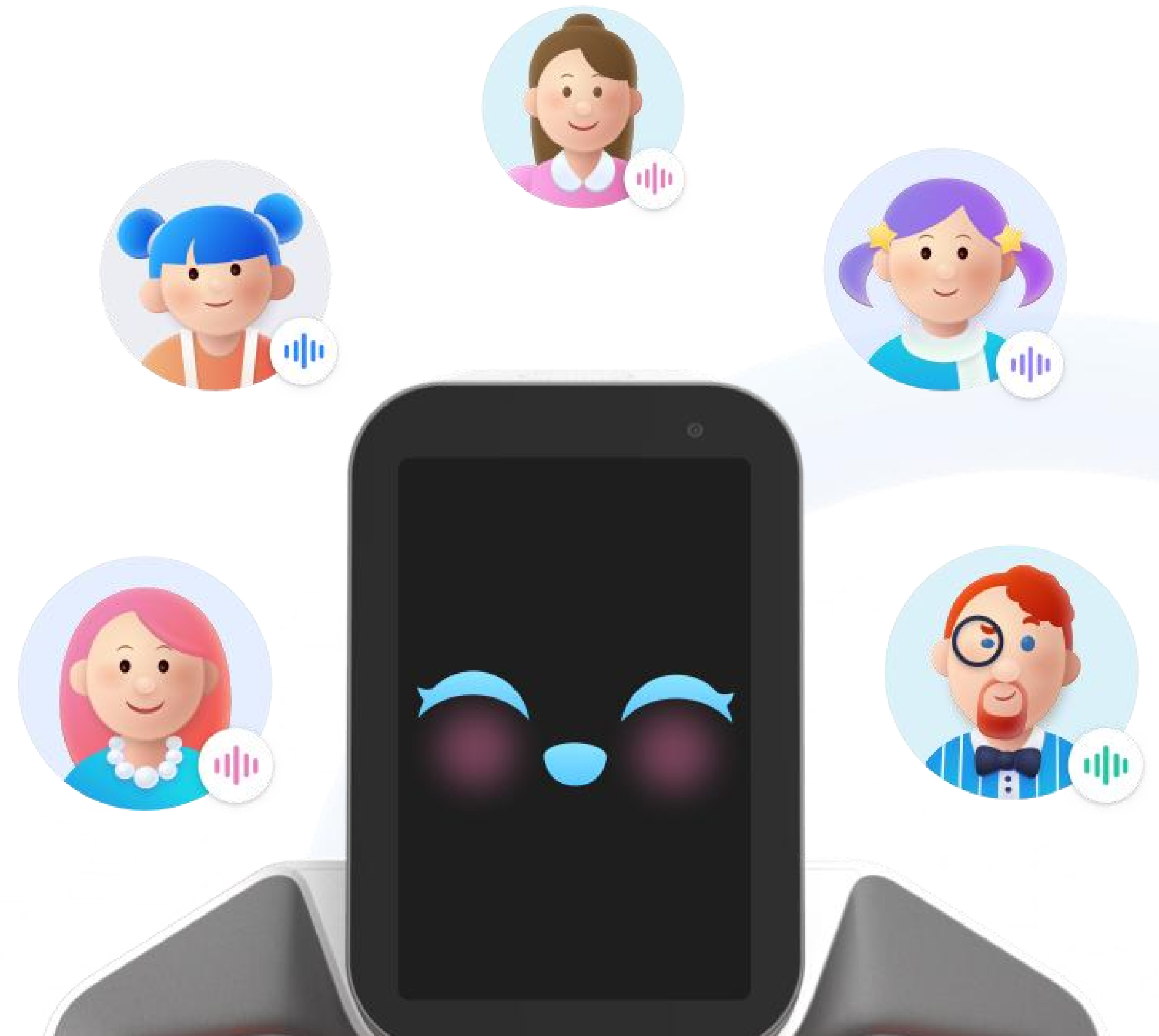
Convenient setup

- **Connect any point on the map to** freely set patrol routes and patrol time periods.

Intelligent Q&A

Personalized scenario Chatbot

- Supported over 30 languages to meet various needs.
- Powerful AI voice capability with 5 meters effective, accurate pickup, clear and sweet tone.
- The opened ChatGPT Platform combines with scenario-based data and provides the most intelligent personalized scenario Chatbot service.



Industry-leading Secondary Development



• OPEN

50 server-side API interfaces,
23 client-side API interfaces
were opened.



• EASY

**Based on RobotOS, Android
SDK made it as easy as**
mobile APP development.



• FAST

**Exclusive plug-in based extra
development technology,**
development cost is 1/10 of the
industry standard.

LuckiBot Plus Supports Over 31 Languages

It Is Just Beginning...

Merhaba



dzień dobry

Hallo

Bonjour

안녕하십니까

Helo

Привет

你好

สวัสดี

Olá

Hola

مرحبا

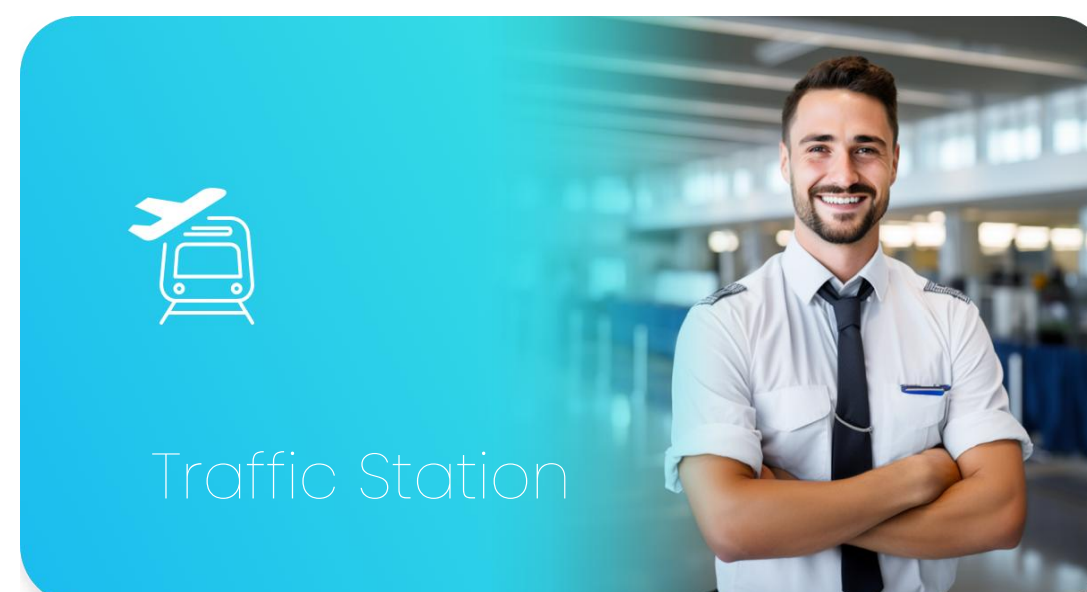
Ciao

Halo



All Scenarios Covered

It Is Just Beginning...



LuckiBot Plus – Application Cases

LuckiBot Plus has been used in more than 10 scenarios upon its launch with high popularity.



Public Institution



Traffic Station



Museum



Bank



Hospital



Supermarket