ORIONSTAR roboplanet

GREETINGBOT NOVA

AI Service Robot

Greetings, Guidance, Greatness



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Meet OrionStar GreetingBot Nova here



GreetingBot Nova OVERVIEW

GreetingBot Nova is capable of performing various functions such as welcoming and attracting customers, acting as a robotic guide, answering intelligent questions, dynamic marketing and promotion. With its self-developed Robot OS system, it can be easily customized to meet the specific needs of different scenarios and seamlessly integrated with customer systems. This versatile robot has been successfully applied more than 20 industries by helping customers reduce costs and enhance efficiency, which provides an upgraded smart experience.

New

Interaction Experience

Unique

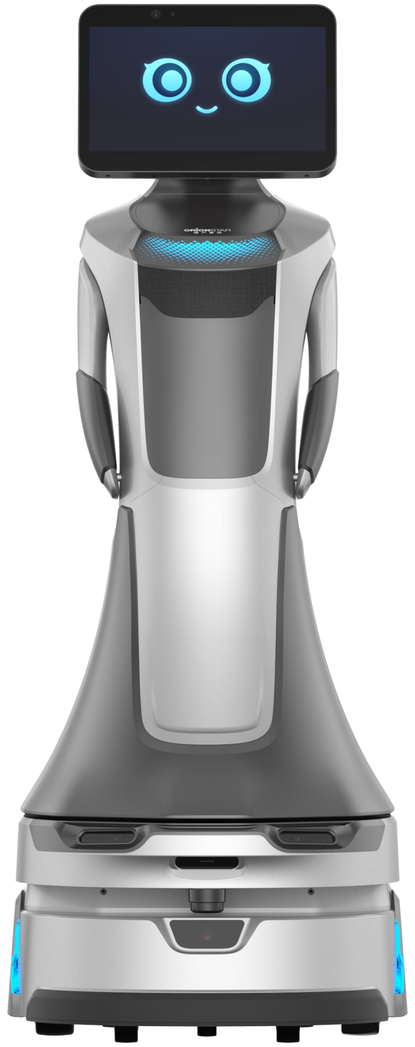
Dynamic Promotion

Easily

Extra Development

Rich

Hardware interfaces



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GreetingBot Nova Hardware Features

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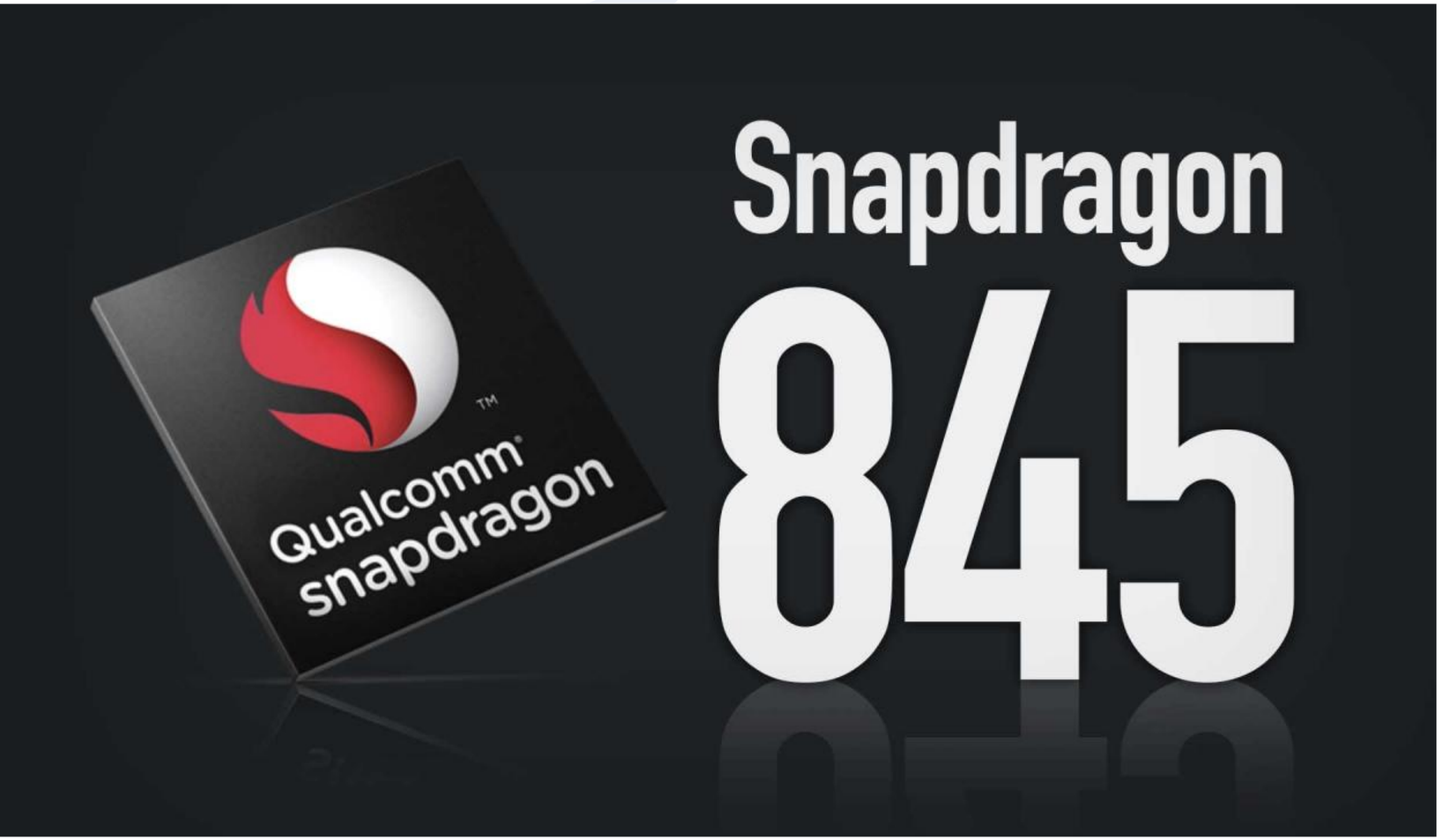
14-Inch HD Large Screen

High-end Visual Experience

GreetingBot Nova’s impressive 14-inch screen is better equipped to display more information at a single time. **Ultra-high-definition resolution** makes the picture on the screen **clearer and more attractive**.

Qualcomm Snapdragon Octa-Core CPU

Excellent Performance | Exciting Experience



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.

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.

HD Wide-Angle Dual Cameras

Clearer, Wider Field of View Without Blind Spots

With 13 million pixels, it can **boast the industry's clearest vision** and also can **locate people and interact face-to-face** with flexible head rotation.

Light input exceeds that of a normal camera by 400%



Rich Hardware Interfaces

Enhanced Hardware Connectivity



- **Capable of accommodating more devices**: Suitable for diverse scenarios.
- **Rich interfaces**: Reserved data, network, and power interfaces to meet personalized needs.
- **Internal wiring for peripherals**: All interfaces are located inside the device body, making it convenient and aesthetically pleasing.

Self-charging, Cycle Service

Low Battery Recharge

When power drops below 10%, GreetingBot Nova **automatically returns to the charger.**

Fast charging **less than 4.5 hours**.

Non-stop work, **7*24 hours**.



Advanced GreetingBot Nova Chassis

Perfect for Various Spaces

Based on OrionStar's strong chassis R&D capabilities and more than 30,000 application cases, we have souped GreetingBot Nova up with an even more powerful, exclusive mobile chassis and a **combination of LiDAR and depth camera for accurate route navigation and smart close-following capabilities.**



Marker Free V-SLAM2.0 Technology

Perfect for Various Scenarios

By harnessing Qualcomm's GPU/DSP chips and cutting-edge deep learning, GreetingBot Nova ensures real-time positioning even amid changing angles and lighting conditions. Say goodbye to localization errors and hello to stable and efficient robot operations. Greater adaptability to diverse scenarios



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GreetingBot Nova Software Features

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GreetingBot Nova Multiple Functions



Reception Service

Reception of Visitors,
Proactively Greeting

Tour Guide

Intelligent Guiding,
Obstacle Avoidance

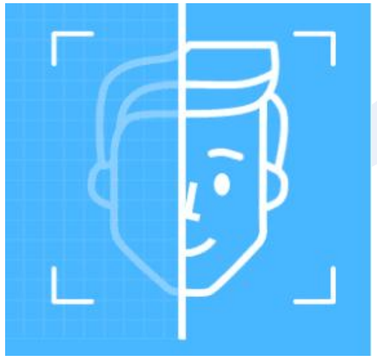
Dynamic Promotion

Dynamic Broadcasting,
Attract Customers

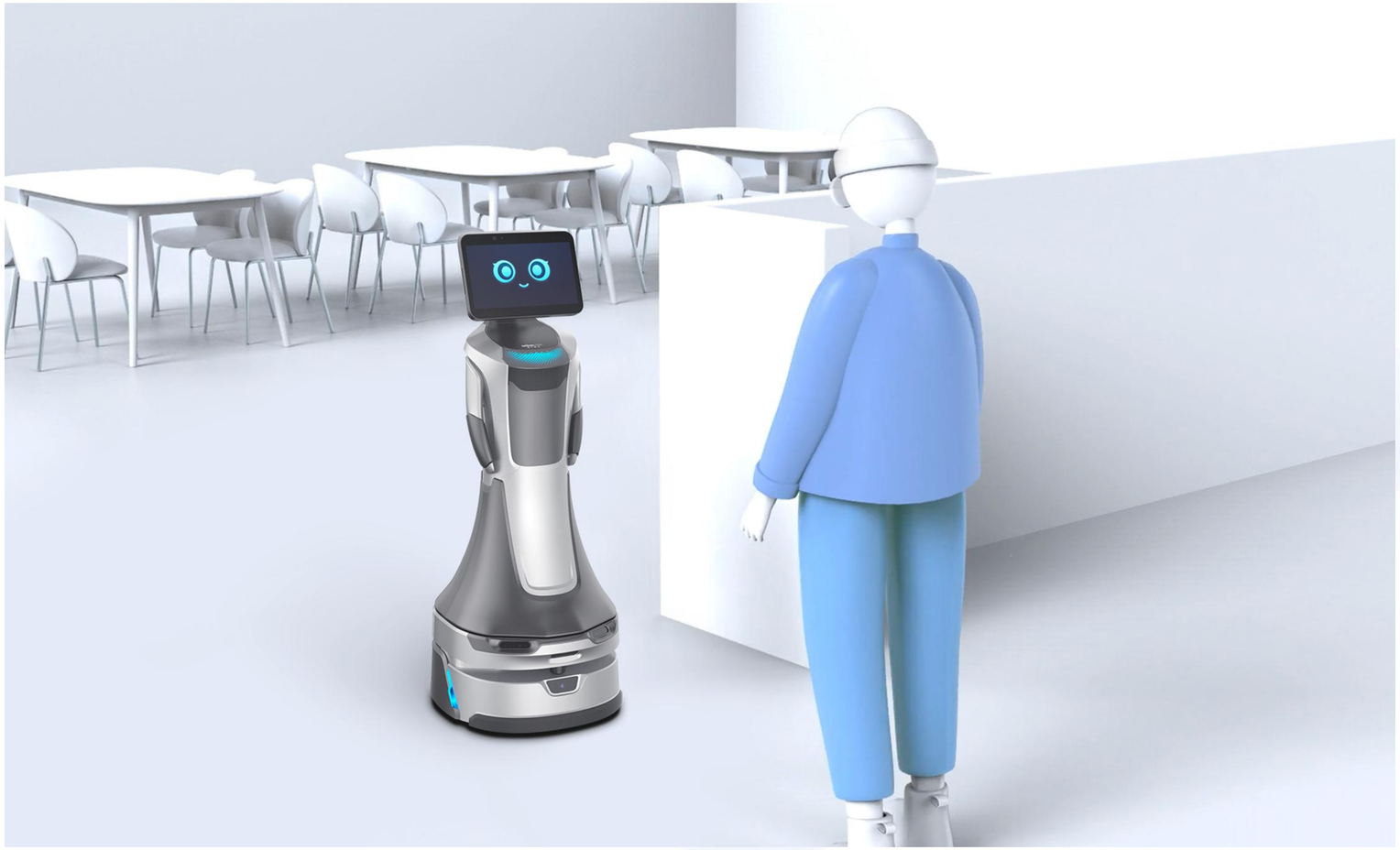
Intelligent Q&A

Personalized Scenario Chatbot Service

Reception Service



- The robot can **detect and greeting customers actively.**
- The **self-navigation guides** customers to their target locations.

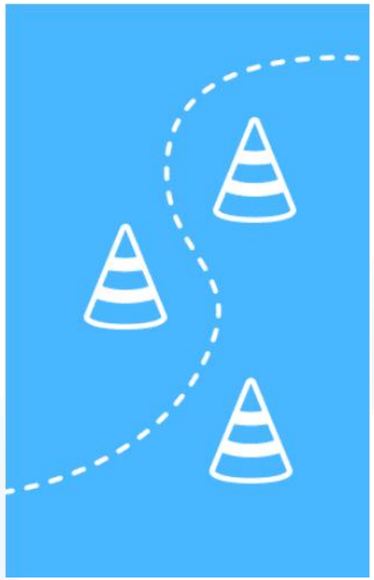


Tour Guide





Intelligent Guiding



Obstacle Avoidance

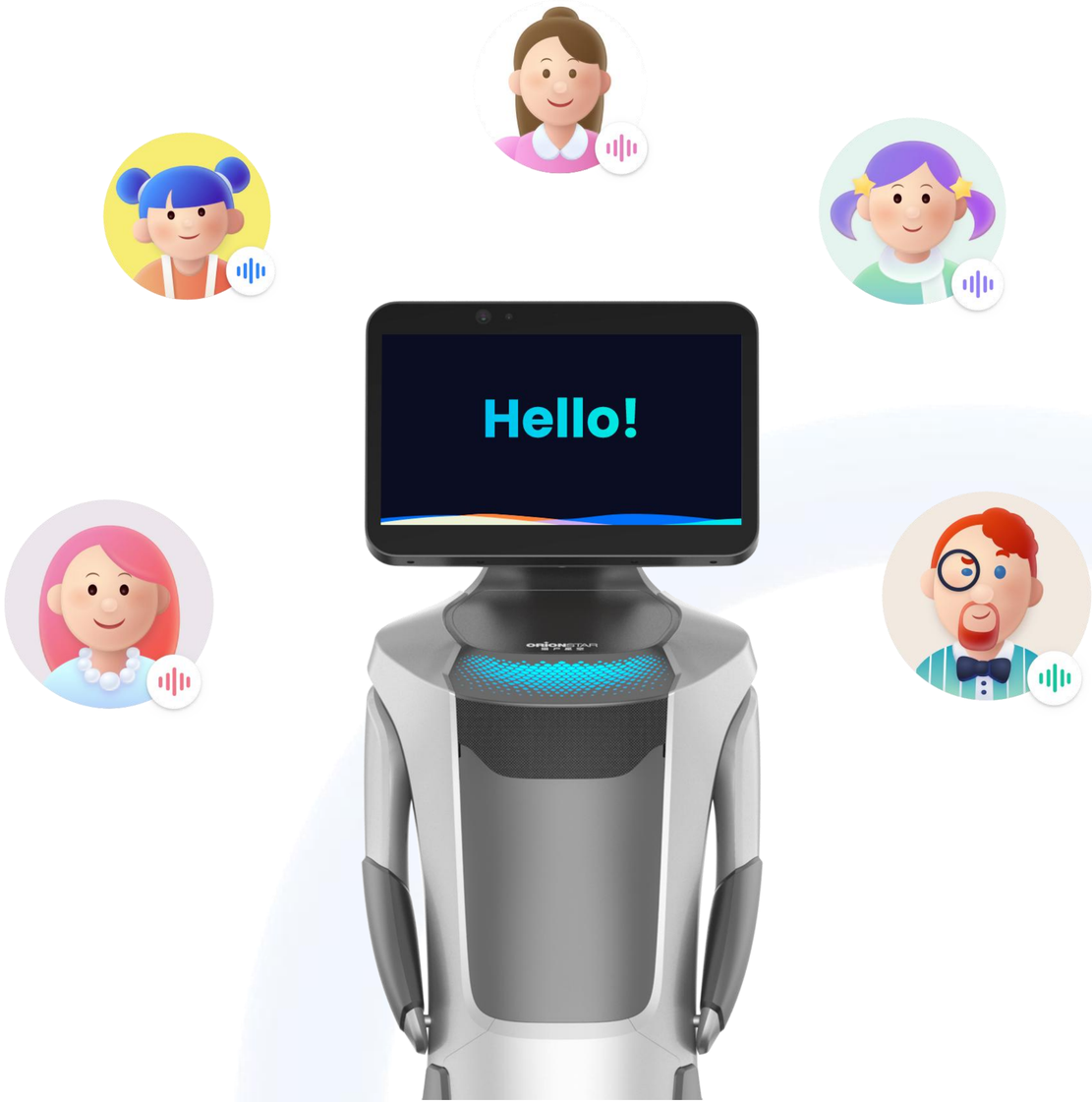
Dynamic Promotion

- The robot can **detect and welcome customers actively,** to avoid missing any customers.
- It can perform various tasks such as **sales of gift cards, dish introduction, and coupon distribution**.
- The robot can **recommend specialties proactively** while customers wait.



Intelligent Q&A

- Supported **over 30 languages** to meet various needs.
- Powerful AI voice capability with **5 meters effective, accurate pickup, clear and sweet tone.**



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Industry-leading Extra 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**.

GreetingBot Nova Key Specifications

Size	558mm×525mm×1350mm
Net Weight	56kg
Screen Size	14-inch; 1080 HD
Chest Part Load Weight	5Kg
Narrowest Passage Width	70cm
Hardware Platform	Qualcomm 8-core chip + Industrial-grade MCU
Navigation Sensor	LiDAR*1 + Depth Vision Camera*3 + Fisheye Camera*2 + Infrared Camera*2 + Odometer + IMU*1
Microphone Array	6-Mic arrays, 360° sound source positioning, 5 m sound range
Battery Life	12 H (typical cruising scene)
Charging Time	4.5 H
Supports Secondary Interface	USB 2.0 A port*2, Type-C port*1; LAN 100Mbps Ethernet port *1; DC power port 12V 3A
Network Supports	4G (supports TDD-LTE, FDD-LTE), WiFi supports 2.4G/5G



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Usage Scenarios

All Scenarios Covered

It Is Just Beginning...

















GreetingBot Nova in Office Scenario

- The AI robot solution can support the **reception of visitors, register visitor information, and guide them to designated locations and remote video conferencing anywhere**.

How can GreetingBot Nova be applied in office?

Greeting and Reception

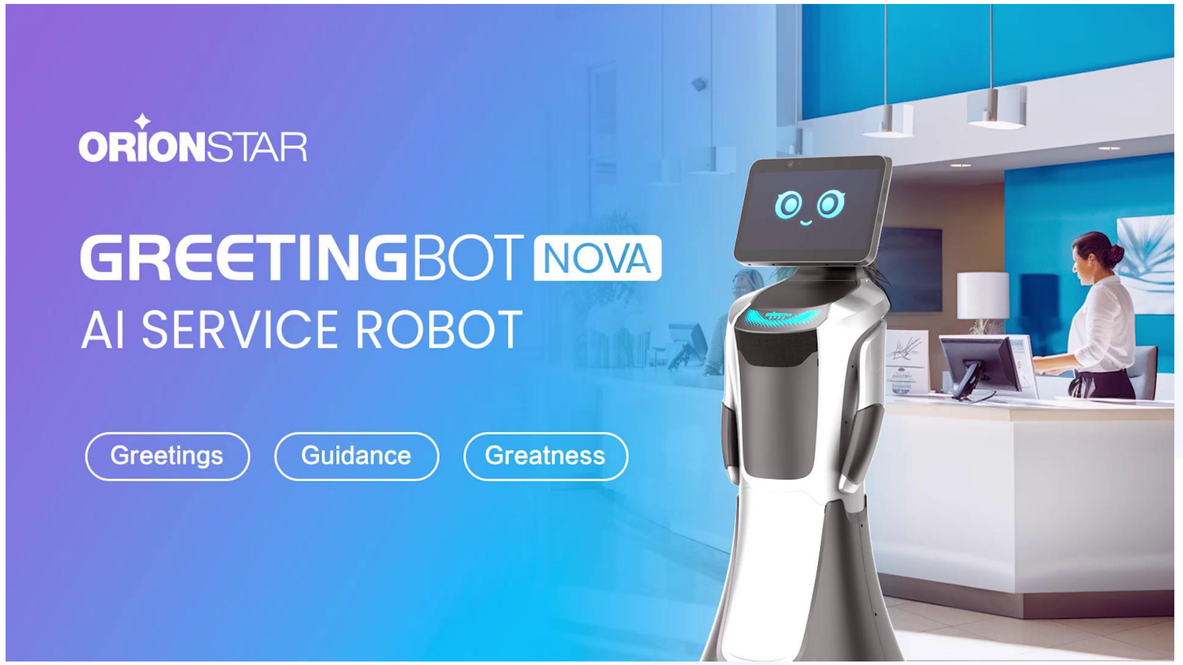
- It can serve as a receptionist, **detect and welcome visitors actively.**

Smart Leading

- **Self-navigation techniques can** accurately lead visitors to designated locations.

Remote Video Conferencing

- It supports remote video conferencing enabling you to **connect and communicate effortlessly from anywhere.**



GreetingBot Nova in Hotel Scenario

- GreetingBot Nova is equipped with advanced indoor navigation technology and a stylish design, making it **the perfect choice for hotels that prioritize customer satisfaction**.

How can GreetingBot Nova be applied in hotel?

Greeting and Reception

- It can serve as a lobby clerk, **welcoming customers and providing guidance** throughout the lobby.

Smart Leading

- **Self-navigation techniques** can accurately lead to designated locations.

Continuous Cruise

- It can continuously patrol and **seek out customers in need to provide assistance**.



GreetingBot Nova in Nursing home Scenario

- The AI robot solution can support various functions such as guiding, health monitoring, family doctor, and fall detection, to **guarantee the security of people living in nursing homes.**

How can GreetingBot Nova be applied in nursing home?

Greeting and Reception

- With voice recognition technology, it can **detect and welcome visitors actively.**

Smart Leading

- **Self-navigation techniques can** accurately lead to designated locations.

Family Doctor

- **7*24 hours family doctors video calls**, available for consultation at any time. (Requires second development)

Fall Detection

- Timely alarm for elderly falls, **guarding their safety anytime.** (Requires second development)



GreetingBot Nova in Shopping Mall Scenario

- The AI robot solution will increase brand exposure and sales through **smart promotion, advertising playback, store recommendations, and location guidance.**

How can GreetingBot Nova be applied in shopping mall?

Promotion for Stores

- Proactive promotion after facial recognition. AI broadcast built-in advertisements along the way **to attract customer flow.**

Leading Service

- Helping customers easily locate the stores they are looking for. This can **save a significant amount of manpower and costs** by reducing the need for staff to assist customers with finding items/stores.



GreetingBot Nova in Restaurant Scenario

- Intelligent optimization of the entire process efficiency in the restaurant leads to an **exceptional dining experience** for guests.

How can GreetingBot Nova be applied in restaurant?

Greeting

- With voice recognition technology, GreetingBot Nova can **automatically recommend dishes**, and provide assistance upon their arrival.

Guiding

- **Self-navigation guides** customers to their target locations.

Promotion

- **Dynamic and real-time promotion** by broadcasting various ads and eye-catching videos and pictures.

Self-ordering and Payment

- Guests can **browse the menu, place orders, and initiate payment** on the screen after extra development of robot.



GreetingBot Nova in School Scenario

- Reception and navigating through various environments, and customizable broadcasts in different languages. Its exceptional service makes the robot the **perfect solution for campuses of reliable and efficient assistance**.

How can GreetingBot Nova be applied in school?

Greeting and Reception

- It can serve as a campus reception, **welcoming visitors/students and providing guidance** of classrooms.

Smart Leading

- It can seamlessly **navigate through various environments without the need for location markers**.

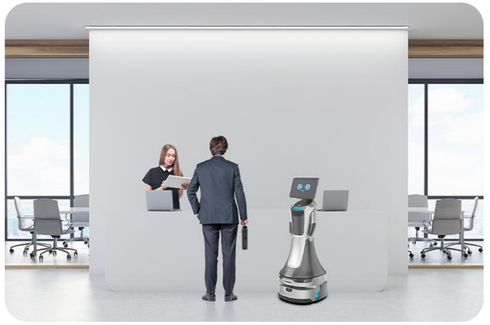
Multiple Languages

- **Customized broadcasts are available in more than 31 languages**, meeting the diverse language and cultural requirements.



GreetingBot Nova - Other Scenarios Application

- GreetingBot Nova can be used in **more than 20 scenarios**.



Company



Exhibition



Restaurant



Nursing Home



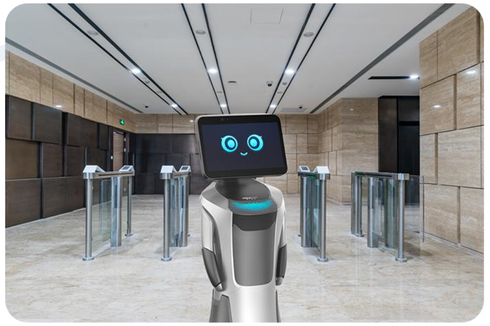
Train Station



4s Stores



Hospital



Office Building

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About Us



OrionStar Robotics is a leading global AI service robot solution company founded in September 2016. It employs self-developed, full-chain artificial intelligence technologies such as voice interaction and visual navigation, and integrates unique product development and technical application capabilities.

It has launched a series of industry-leading robots, including **delivery robots, service robots, and warehouse robots**. It has established the RobotOS, an open platform for OrionStar robots, and is driven to use AI technology to empower more people with truly useful robots. It prioritizes customer satisfaction as its top priority and has formed a "Service-Oriented Marketing Strategy" to provide customers with exceptional service. **As of the end of December 2023, We have accomplished the following:**

60,000+

Global Deployment Units

550,000,000+

Total Service Users

60+

Global Countries and Regions

Certification

- ISO/IEC 42001:2023, ISO/IEC 27001:2013, ISO/IEC 27701:2019
- Service Certification, IOS9001, Quality Management System Certification, Invention Patents


Certificate CN24/00004229

The management system of

Beijing OrionStar Technology Co., Ltd.

Unified Social Credit Code: 91110107MA008AY844

Business Registration Address: Room 1201-7, Floor 12, Building 1, No. 60 Heping West Road, Shijingshan District, Beijing, P.R. China

Business Operation Address:1st and 3rd (south open work area) Floor Building 11 East Village, No.7 Sanjianfang South Lane (Nanli), Chaoyang District, Beijing, P.R. China

has been assessed and certified as meeting the requirements of

ISO/IEC 42001:2023

For the following activities

The Artificial Intelligence Management System covers the OrionStar Large Language Model and enterprise service products such as toolkits and applications based on the AI Large Language Model, as well as the design, development, implementation and deployment, operation and maintenance, and technical services of the AI voice interaction Greeting Service Robots, AI Delivery Service Robots, AI New Retail Service Robots, powered by OrionStar Large Language Model.

Assessed in accordance with the Statement of Applicability, version 2.0.

This certificate is valid from 08 July 2024 until 07 July 2027 and remains valid subject to satisfactory surveillance audits.

Issue 1. Certified since 08 July 2024

Authorised by
David Xin
Sr. Director - Business Assurance

SGS-CSTC Standards Technical Services Co., Ltd.
16F Century Yuhui Mansion, No. 73 Fucheng Road, Beijing, P.R. CHINA 100142
t +86 (0)10 56251168 - www.sgsgroup.com.cn


Certificate CN22/00004729

The management system of

Beijing OrionStar Technology Co., Ltd.

Unified Social Credit Code: 91110107MA008AY844
Business Registration Address: Room A-2570, Floor 2, Building 3, Courtyard 30, Shixing Street, Shijingshan District, Beijing

Business Operation Address: C01 on the 3rd floor and C01 on the 4th floor, Block A, Yishaoweixin Plaza, No. 1 Nanjia, Shui Bridge, Chaoyang District, Beijing, P.R. China

has been assessed and certified as meeting the requirements of

ISO/IEC 27001:2013

For the following activities

Design, development, operation and maintenance of hardware and software of Greeting Service Robots, Delivery Service Robots, Disinfection Service Robots and New Retail Service Robots under OrionStar.
Assessed in accordance with the Statement of Applicability, version 1.0

This certificate is valid from 09 February 2023 until 31 October 2025 and remains valid subject to satisfactory surveillance audits.

Issue 2. Certified since 30 December 2022

Authorised by
Jonathan Hall
Global Head - Certification Services

SGS United Kingdom Ltd
Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN, UK
t +44 (0)151 350-6666 - www.sgs.com


Certificate CN23/00000010

The management system of

Beijing OrionStar Technology Co., Ltd.

C01 on the 3rd floor and C01 on the 4th floor, Block A, Yishaoweixin Plaza, No. 1 Nanjia, Shui Bridge, Chaoyang District, Beijing, P.R. China

has been assessed and certified as meeting the requirements of

ISO/IEC 27701:2019

For the following activities

The PIMS of Beijing OrionStar Technology Co., Ltd. is centrally managed at C01 on the 3rd floor and C01 on the 4th floor, Block A Yishaoweixin Plaza, No. 1 Nanjia, Shui Bridge, Chaoyang District, Beijing, P.R. China, and is responsible for the privacy management of certified locations.
The authenticated entity handles as a controller of personal information:
Personal information collected during the software and hardware design, development, and operation and maintenance activities of OrionStar's Greeting Service Robots, Delivery Service Robots, Disinfection Service Robots .
Assessment of the applicability of ISO 27701:2019 and ISO 27001:2013 issue V1.0.

The scope and validity of this ISO/IEC 27701:2019 certification is issued in association With the ISO/IEC 27001:2013 certificate under certificate number CN22/00004729.
This certificate is valid from 03 January 2023 until 02 January 2026 and remains valid subject to satisfactory surveillance audits.

Issue 1, Certified since 03 January 2023

Authorised by
David Xin
Sr. Director - Knowledge

SGS-CSTC Standards Technical Services Co., Ltd.
16F Century Yuhui Mansion, No. 73 Fucheng Road, Beijing, P.R. CHINA 100142
t +86 (0)10 56251168 - www.sgsgroup.com.cn


SERVICE CERTIFICATION

Certificate No.: 258225V030005R0M

This is to certify that the system of

BEIJING ORIONSTAR TECHNOLOGY CO.,LTD.

Unified social credit identifier: 91110107MA008AY844

is in conformity with

GB/T 27922-2011 Post-sale Service Evaluation system
Set the Five-star Requirements

★★★★★ Scope of certification

After-sale Service of Intelligent Robot

Service authentication mode: initial certification + supervision audit

ZOZEN

SERVICE


QUALITY MANAGEMENT SYSTEM CERTIFICATION

Certificate No.: 25822Q0034R0M

This is to certify that the system of

BEIJING ORIONSTAR TECHNOLOGY CO.,LTD.

Unified social credit identifier: 91110107MA008AY844

is in conformity with

GB/T 19001-2016/ISO 9001:2015

Scope of certification

Design, Sale (qualification scope) and After-sale Service of Intelligent Robot

ZOZEN

ISO 9001


Certificate of Compliance

Applicant : Beijing Orion Star Technology Co.,Ltd.
Address : Room A-2570, 2nd Floor, No.36, Shixing Street, Shijingshan District, Beijing China,
Sample Name : AI Delivery Robot
Sample Model NO. : OR-R0001

RoHS 2.0

Signed for and on behalf of SGT

Jack Zhang / Lead Manager

GuangDong Safety Testing Co., Ltd.
No.1, the 1st North Industry Road, Songshan Lake Sci.& Tech. Park, Dongguan, Guangdong, China
Tel:86-769-23105666 Fax: 86-769-22936656 http://www.sdt-sdrtl.com/


Quality Management System Certificate

This is to certify that

Dongguan Keqiang Technology Co., Ltd

Registered/ Business Address:Building 1, No. 12, Changfu Road, Qinghotow, Tangxia Town, Dongguan City, Guangdong China, 523730

Has been audited to conform to the following Quality Management System standard

GB/T 19001-2016/ISO 9001:2015

This Quality Management System is valid for the

The Production and sales of intelligent robot

Issue Date: 2021-10-14
Term of Validity: 2024-10-13

12 months after the date of issue, the certified organizations must accept the supervision and audit regularly and after the examination and approval, this certificate shall be valid only if it is used with the notification of remaining certification registration. The certificate information is retrieved at the National Certification and Accreditation Commission official website(www.cnca.gov.cn)and (www.cgaca.cn)The this certificate's validity status.

Issued by:

IAF CNAS

Beijing Goocheng(Jingxin Inspection & Certification Co., Ltd.
Room 306, 3/F, Block 1, Yard No.1, Jiuhuangzhuang Street, Tongzhou District, Beijing, 101100
Tel: 010-8201-5957 http://www.bjgcia.cn


发明专利证书


发明专利证书

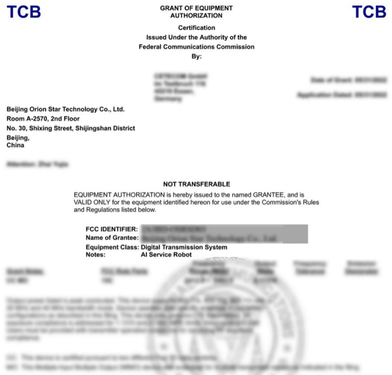

实用新型专利证书


实用新型专利证书


实用新型专利证书

Certification

KC, CE, MIC, NCC, FCC, IC, NBTC, RCM ....


TCB

GRANT OF EQUIPMENT AUTHORIZATION

Certification

Issued Under the Authority of the Federal Communications Commission By:

TCB

Beijing Orion Star Technology Co., Ltd.
Room A-2570, 2nd Floor
No. 30, Shixing Street, Shijingshan District
Beijing,
China

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER:
Name of Grantee:
Equipment Class: Digital Transmission System
Notes: AI Service Robot


DDT

Certificate of Compliance

No. : DDT-Z21102902-2E01

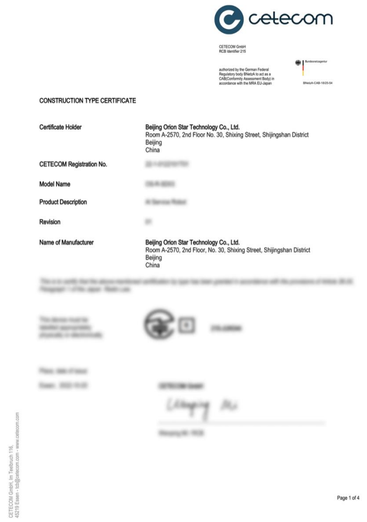
Applicant : Beijing Orion Star Technology Co., Ltd.
Address : Room A-2570, 2nd Floor, No. 30, Shixing Street, Shijingshan District, Beijing China.
Product : AI Service Robot
Model Number :
Trade Name : ORIONSTAR
Manufacturer : Beijing Orion Star Technology Co., Ltd.
Address : Room A-2570, 2nd Floor, No. 30, Shixing Street, Shijingshan District, Beijing China.

Authorized Signer

Lead LoRF Manager:
Date of Issue: Oct 29, 2022

The statement is based on a single evaluation of one sample of mentioned products above. It does not imply an assessment of the whole production and does not permit the use of the test lab logo

Tianjin Dongdian Testing Service Co., Ltd.
Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.
Tel: +86-22-58038033, E-mail:ddt@ddtcom, http://www.ddttest.com


cetecom

CETECOM GmbH
RCB Identifier 215

authorized by the German Federal Regulatory body (Bnetz-A) to act as a CAB(Conformity Assessment Body) in accordance with the MRA EU-Japan

Bnetz-A CAB 19/23-04

CONSTRUCTION TYPE CERTIFICATE

Certificate Holder: Beijing Orion Star Technology Co., Ltd.
Room A-2570, 2nd Floor No. 30, Shixing Street, Shijingshan District
Beijing
China

CETECOM Registration No.:

Model Name:

Product Description:

Revision:

Name of Manufacturer: Beijing Orion Star Technology Co., Ltd.
Room A-2570, 2nd Floor, No. 30, Shixing Street, Shijingshan District
Beijing
China

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방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	Beijing Orion Star Technology Co., Ltd.
기자재명칭(제품명칭) Equipment Name	AI Service Robot
기기부호(추가 기기부호 Equipment code /Additional Equipment code	
기본모델명 Basic Model Number	
파생모델명 Series Model Number	
등록번호 Registration No.	
제조자/제조국가 Manufacturer/Country of Origin	Beijing Orion Star Technology Co., Ltd. / 중국
등록연월일 Date of Registration	
기타 Others	

위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다.
It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

국립전파연구원장

Director General of National Radio Research Agency

※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 을 부착하여 유통하여야 합니다.
위반시 과태료 처분 및 등록이 취소될 수 있습니다.


cetecom

CETECOM GmbH
RCB Identifier 215

authorized by the German Federal Regulatory body (Bnetz-A) to act as a CAB(Conformity Assessment Body) in accordance with the MRA EU-Japan

Bnetz-A CAB 19/23-04

CONSTRUCTION TYPE CERTIFICATE

Certificate Holder: Beijing Orion Star Technology Co., Ltd.
Room A-2570, 2nd Floor No. 30, Shixing Street, Shijingshan District
Beijing
China

CETECOM Registration No.:

Model Name:

Product Description: AI Service Robot

Type of Equipment:

Name of Manufacturer: Beijing Orion Star Technology Co., Ltd.
Room A-2570, 2nd Floor, No. 30, Shixing Street, Shijingshan District
Beijing
China

Name of Test Lab: Tianjin Dongdian Testing Service Co., Ltd.

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