

INFAN300BOT

Flexible Multitasker



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Product Introduction

Company Introduction

Case Study

Customer Value

INFAN300BOT

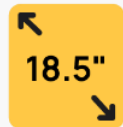
INFAN300BOT is the delivery-reception-marketing 3-in-1 robot that is capable of performing several tasks – delivering, guiding and promotion at the same time. As a cutting-edge product, INFAN300BOT delivers a state-of-the-art experience in different scenarios.

- Multi-task taking, a wide variety of capabilities
- A minimize clearance of 52cm (in specific situations)
- Walking AD display with 18.5" screen
- Versatile accessories, easy function-extension
- Smart trays detection for seamless delivery

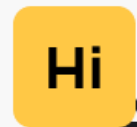




Superior Mobility



Customized Advertisement



Customer Attraction



Greeting & Guiding



AI Voice Interaction



Multiple Delivery Modes



Automatic Recharging



Smart Trays Detection

Product Specifications

Machine Dimension	435*450*1120mm
Machine Weight	38KG
Loading Capacity	10KG/tray
Battery Capacity	20Ah
Run-time	9h
Cruise Speed	Max 1.2m/s
Charging Time	3.5h
Obstacle Negotiation Height	5mm
Clearance	≥52cm (in specific situations)
Climb Angle	≤5°



3D Obstacle Avoidance Sensor

Two sets of RGBD cameras on the neck and the chassis form a 3D obstacle avoidance

Visual Camera

The infrared camera on top of INFAN300BOT provides real-time V-SLAM positioning and navigation

Smart Trays Detection

Equipped with two 360° fisheye lenses, enabling INFAN300BOT to automatically leave after the load is emptied

Multi-functional Compartment

Two trays and a collecting box cooperate with each other to meet a variety of usage scenarios

The Removable Rear Cover

INFAN300BOT features two forms enabled by the removable trays and rear cover

18.5" Large Ad Screen

In-store marketing with a large ad display

Laser SLAM

Laser SLAM and visual SLAM dual-SLAM solution

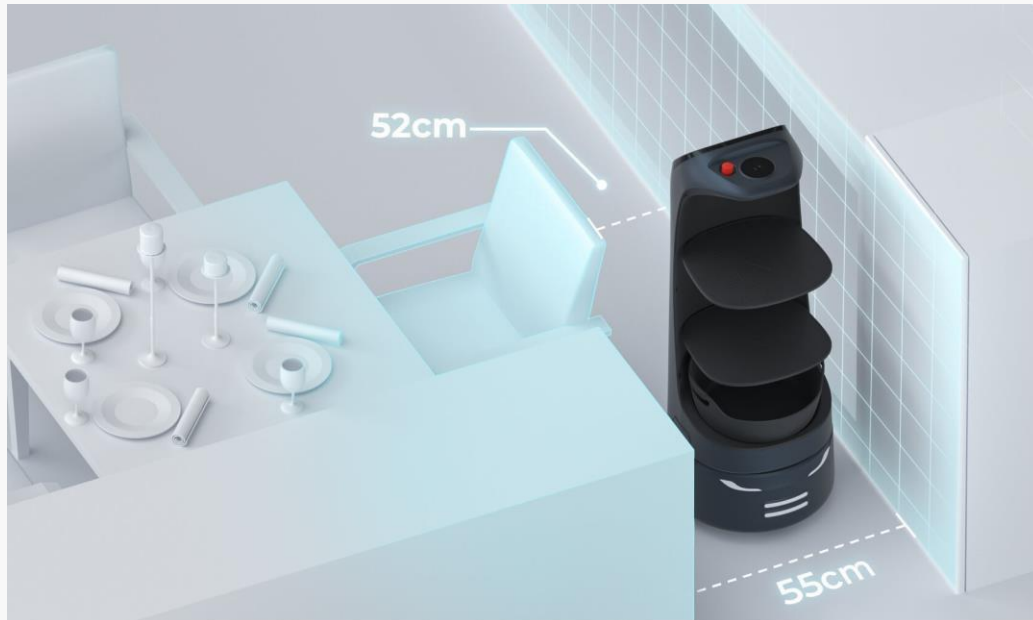
Independent Suspension

Auto-level independent linkage suspension system with high-efficiency in bump avoidance



Product Introduction

With a minimize clearance at 52 cm*, INFAN300BOT is specially designed for complex and dynamic environments.



- Powered by INFAN advanced SLAM algorithm, INFAN300BOT supports laser and visual dual SLAM navigation and positioning.
- 2* RGBD depth camera, With the latest enhancements to its ultra-wide-angle RGBD camera, INFAN300BOT can capture a wider field of view. This enables it to navigate complex environments more precisely and accurately, resulting in a smoother delivery experience and improved obstacle avoidance capabilities.

✳ In certain situations, the robot can go through a clearance of only 52cm.

In-store Marketing



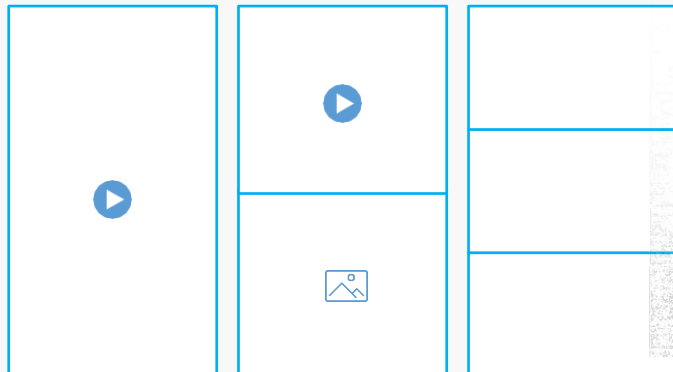
Reach More Customers with 18.5" Large Ad Display

- The 18.5" large ad screen can display promotional video or pictures, providing a more eye-catching approach for marketing.
- Centered ad display perfectly adapts to the customer's angle of view, while maintaining the design aesthetic of the robot.
- INFAN300BOT is not only attractive to adults but also to children, making it ideal to impress the whole family.

In-store Marketing

Customized Advertisement

- INFAN Business Management Platform offers the flexibility to customize the content presented on the ad display.
- The ad playlist can be easily generated, with customer-defined frequency and the sequence of the ads.



Smart Trays Detection

Seamless Delivery

- The INFAN300BOT is equipped with 360° fisheye lenses, that enable the robot to autonomously detect the status of the load.
- The INFAN300BOT can autonomously detect when the load has been completely emptied, allowing it to seamlessly move on to its next task.
- With smart trays sensing, businesses can optimize their delivery processes and improve overall customer satisfaction.

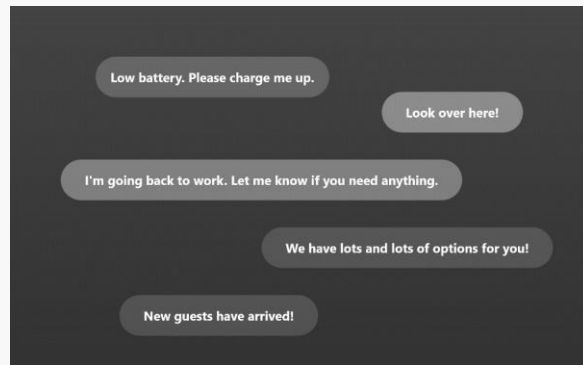


Diverse Human-robot Interaction

Customer Attraction

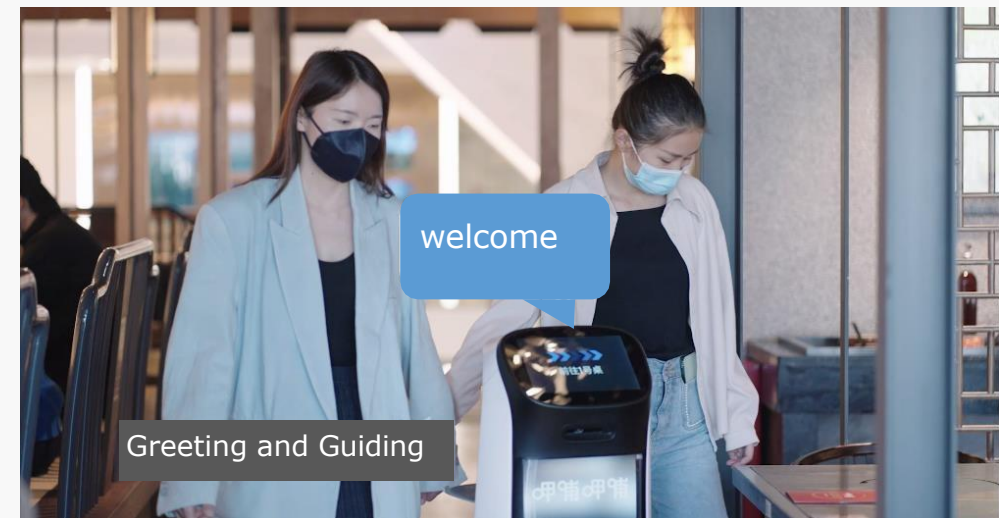
Enhanced Voice Interaction

- The new voice interaction module integrates 360° sound localization.
- Exclusive situational dialogues with cutting-edge echo cancellation, noise suppression, and reverberation elimination technology.
- Say the word "hey INFAN" to wake-up AI voice interaction
- Support a variety of human-robot dialogues



Greeting & Guiding

- The rear cover of INFAN300BOT features a minimalist, streamlined design that makes it more compact.
- With autonomous path planning, the robot can guide customers to their tables in the optimal path, providing improved customer experience and reducing waiter workload.



Progressive Interaction Scheme



Long distance Attracting attention

Advertising screen
Attraction techniques
Expression change

Medium distance Initiating interactive requests

Dynamic human following
Proactive greeting
Poster pop-ups

Short distance Starting a conversation

Voice dialogue
Proactive attraction



3m

1.2m

Long distance

INFAN300BOT draws the attention of the customers coming and going through advertising screen, body movements, broadcast words, cute expression changes and arouses the interest of customers

Medium distance

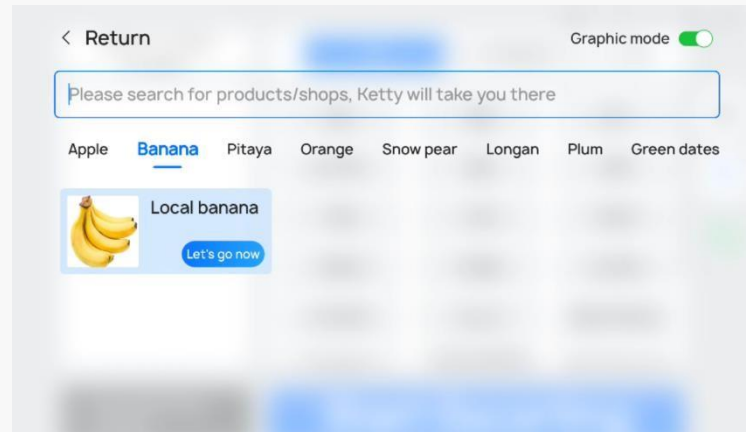
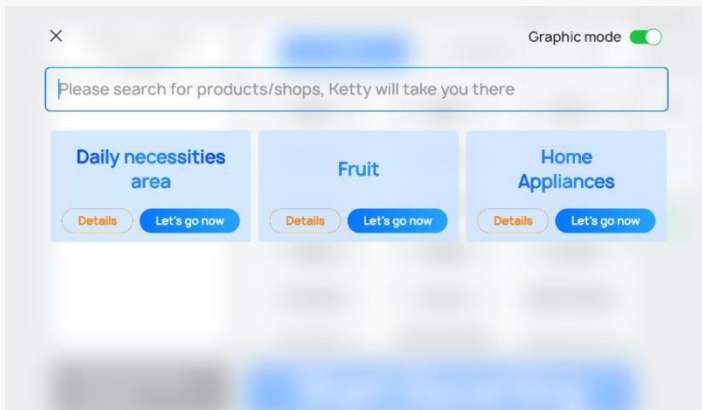
With advertising screen , dynamic human follow, pop-up marketing posters and active greeting, INFAN300BOT further initiates interactive requests, prompting customers to walk towards the robot

Short distance

When customer approach to INFAN300BOT, it automatically wakes up the screen and actively conducts voice dialogues with customers and guides them into the store, improving the success rate of customers attraction and the possibility of customers entering the store

Multiple Work Modes

New Guiding Mode : Search C Guide

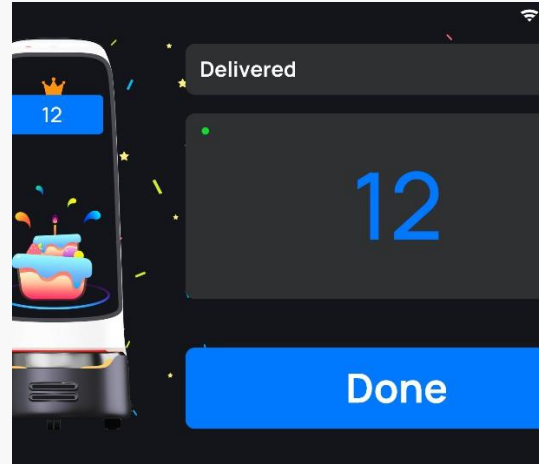


By searching words or clicking pictures, customers may look for the items or the store location they need, then INFAN300BOT will guide them to pick up point or stores.

Multiple Work Modes

Multi-table Delivery

Multiple tables can be served in one run with accurate positioning and optimal path planning.



Birthday Mode

INFAN300BOT can deliver birthday cakes and sing birthday song, giving customers a strong sense of happiness and satisfaction.

Cruise Mode

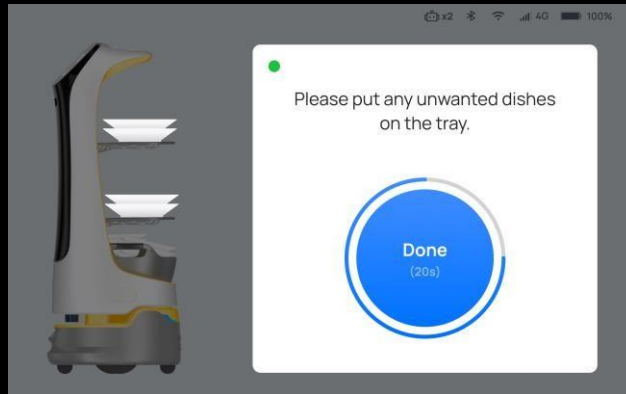
INFAN300BOT can cruise in specific areas to provide customers with free snacks, drinks and promotional flyers.



Multiple Work Modes

Dish Return

INFAN300BOT collects dishes from different tables and delivers them to the dish-return corner or the dish-washing room.



Auto Return

For dining scenarios, INFAN300BOT will go to each dining table that is set to auto dish-returned, and move to the dish-return corner after completing its task.



Air Motion

Upon arrival of the delivery, wave at the top camera to complete the delivery



Easy Operation

Quick Button

Upon arrival of the delivery, click on the top button of the machine to complete the delivery task

Stabilized Delivery



- Upgraded automobile-level adaptive suspension with latest shock absorbing technology, greatly improves the stability of the robot's delivery, and supports the robot to deliver dishes with food decor, porridge, soups and drinks while reducing spills.
- INFAN300BOT can deliver more varieties of meals and beverage.

Ultra-long battery life

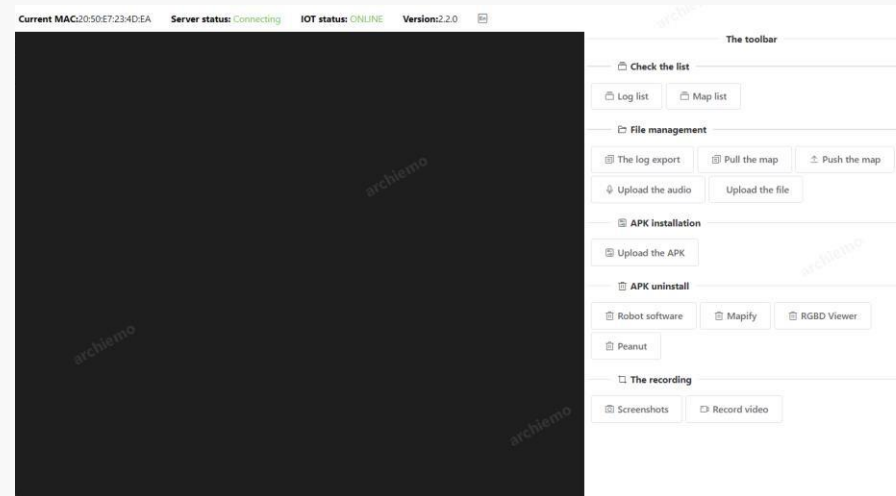
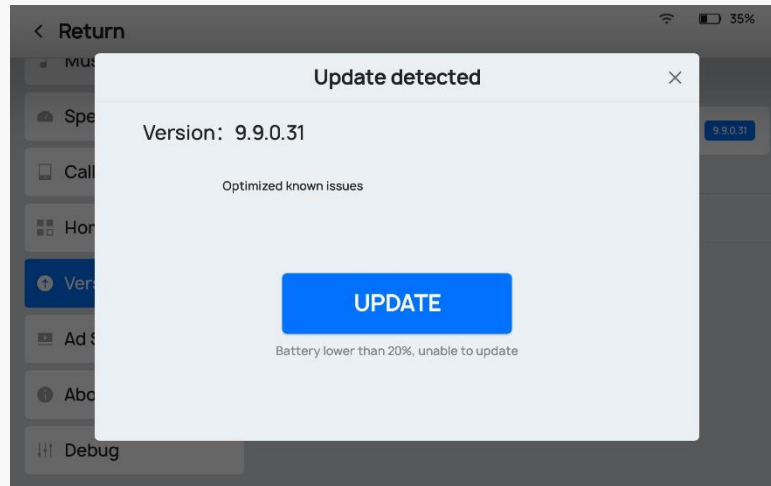
Ultra-long battery life for all-day-long service.

- Battery Capacity: 20Ah
- Run-time: 9H
- Automatic Recharging : INFAN300BOT automatically provides a voice alert and UI notification when the battery is low, and returns to the docking station* simultaneously.

*The docking station needs to be purchased additionally.



Easy Maintenance



- Remote Upgradation Supportive, Users can quickly obtain software updates to instantly improve robots' performance.
- Intelligent Fault Analysis and Trouble-shooting, Cloud Management and Maintenance, make us can quickly respond to customer problems and solve them, and provide after-sales service remotely

Reduce maintenance time, Improve efficiency, Reduce maintenance costs

A Versatile All-rounder

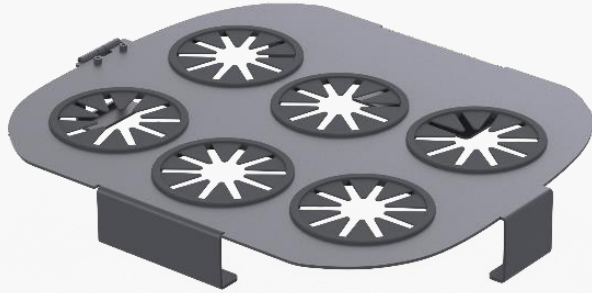
Two Forms for Greater Versatility

INFAN300BOT features two forms enabled by the removable trays and rear cover*.. Customers may select the form of robot based on needs.

*The rear cover is an optional accessory.



Versatile Forms, Various Accessories



Fixed Cup Holder



Spill-proof Cup Holder



*Accessories need to purchase separately

Versatile Forms, Various Accessories



Display Stand



Protection Case

*Accessories need to purchase separately

Versatile Forms, Various Accessories



Charging Station



Up to 10cm extension

Retractable Tray Baffle

*Accessories need to purchase separately

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Café De Coral in Hongkong, China

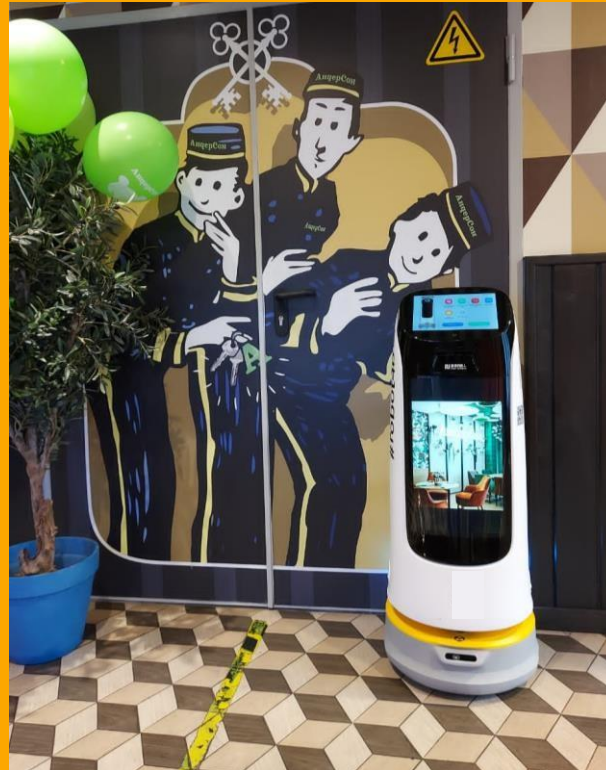
Café de Coral Group is one of Asia's largest publicly-listed restaurant and catering groups. With deep roots in Hong Kong, the Group has established its position as a market leader in the fast food industry over the past 50 years. INFAN300BOT serve in multiple branches and they mainly function in delivering food, returning dishes and promoting.



Case Study



Case Study



Case Study



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A differentiated experience to attract more customers

INFAN300BOT redefines customer experience with an eye-catching way to attract customers and a smart, thoughtful way to serve them.

A novel approach for in-store marketing

INFAN300BOT allows your marketing campaigns and special offers to reach more customers, delivering a higher conversion.



Customer Value

Robot-human collaboration to improve service and efficiency

Human workers collaborate with INFAN300BOT in a way that they can both do what they are best at.

INFAN300BOT is ready to assist and improve humankind working experience.



Manpower shortage is no longer a problem

Multiple delivery mode can well assist stores in completing tasks such as food delivery ,and delivering snacks, which will free up human workers from dull and duplicate tasks.

Customer Value



One robot for multiple needs

As a multitasker , INFAN300BOT can perform several tasks -- marketing, delivering, guiding at the same time, assisting from front-end to back-end, meeting the propaganda and delivery needs of restaurants, cafes, bars, barbecue shops, hotels, hospital etc.

Unified management C IoT platform

Users can manage different models of INFAN robots simultaneously and analyze the operation of the robots through Infan management platform.



Thank you!



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