

INFAN400BOT



Delivery robots that ensure smooth traffic during peak hours

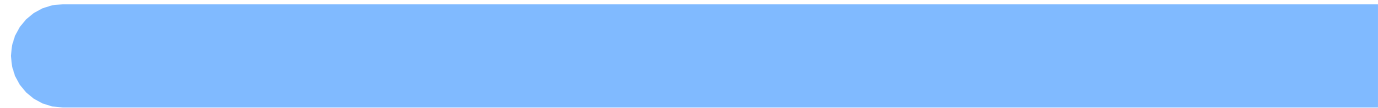
INFAN400BOT

PRODUCT DESCRIPTION

PRODUCT CORE

BUSINESS FUNCTIONS

PRODUCT VALUES



INFAN400BOT

Redefining the social relationship between robots and humans

INFAN400BOT is a new flagship product created by INFAN Technology to solve the problem of restaurant delivery during peak hours. The walking intention visualization and backward perception capabilities are used to establish human-machine traffic and solve the problems of human traffic in opposite direction or same direction.

Relying on powerful perception and computing power support, INFAN400BOT can move freely in complex environments, thus effectively improving the robot's traffic efficiency and customer dining experience have set a new height for smart delivery.



INFAN400BOT



Standard



Open

Overall size	485*593*1277mm
Pallet size	433*502mm
Number of pallets	3-layer tray (height adjustable)
Total Weight	Standard model 59kg/Open model 49kg
Maximum load	35kg
Battery life	7*24H
charging method	Cable charging & charging pile
Single pallet load	15kg

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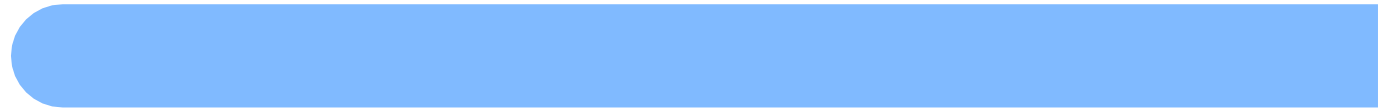
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Establishing indoor delivery scenarios

Walking intention visualization

By projecting the robot's walking path onto the ground through laser projection.

Pedestrians can easily understand the robot's walking intention and quickly choose the best path to pass.



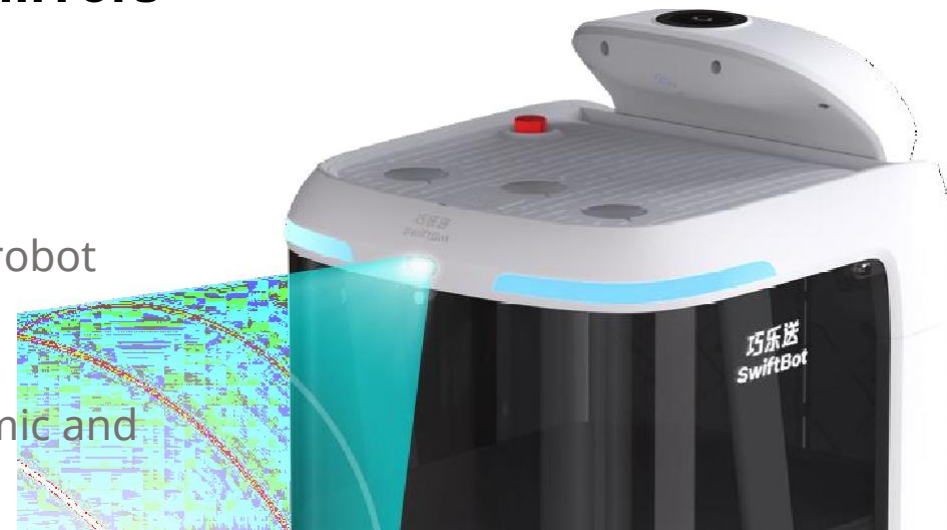
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Equip delivery robots with “rearview mirrors”

Wide-area sensing technology

The multi-sensor efficient fusion solution gives the robot powerful backward perception capabilities,

allowing "INFAN400" to move freely in highly dynamic and complex environments



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More comfortable during peak hours

Innovative intention visualization and powerful perception capabilities enable INFAN400BOT to avoid pedestrians in front and behind in multiple directions, even during peak hours in restaurants.

The delivery task can be completed as efficiently as an experienced driver.



Back off when passing in the opposite direction



Side avoidance for vehicles traveling in the same direction

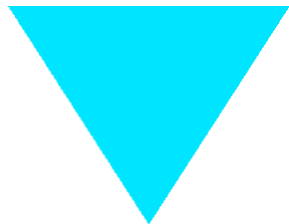


Sideways avoidance for oncoming traffic

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In-depth optimization of algorithms during peak periods to create a 5S delivery "experienced driver"

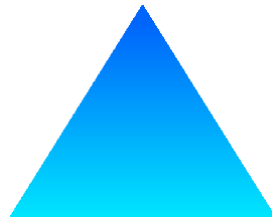
50%



Swift

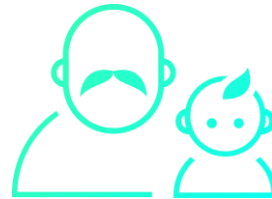
Reduce 50% of human-machine road congestion

20%



Stable

The overall operation stability is improved by 20%



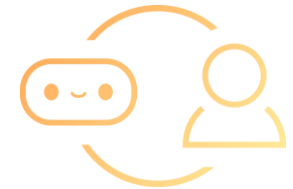
Safe

Equipped with special crowd recognition algorithm



Smart

Multimodal interaction brings a smarter experience



Sociable

Redefining the social relationship between robots and humans

* The above data is provided by Purdue Laboratory

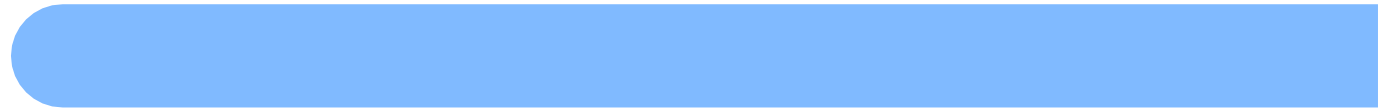
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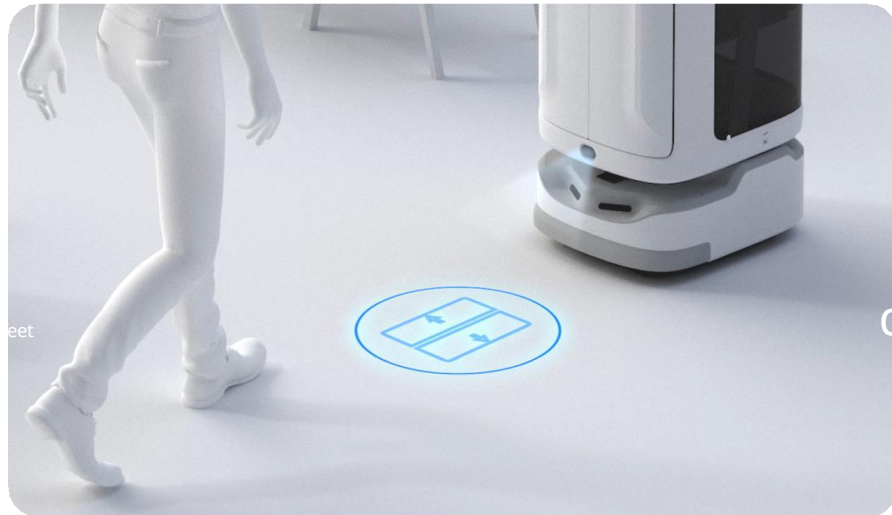
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Dynamic interactive projection provides a warmer experience



Foot pedal icon control

In certain scenarios, you can control the door to open by stepping on the corresponding icon, which is contactless and safer.

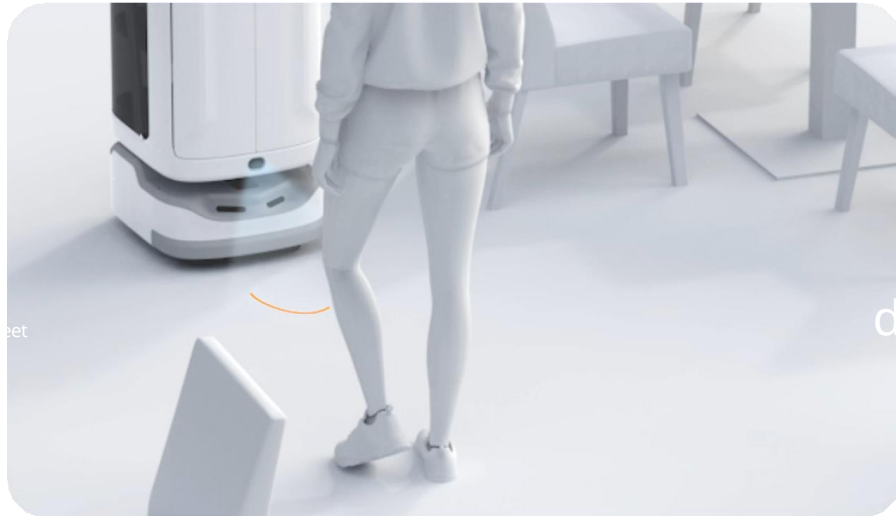


Special pattern projection

In birthday mode, a unique animated laser will be presented to send full blessings to the guests, creating a full atmosphere

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Dynamic interactive projection provides a warmer experience



Real-time avoidance reminder

When the robot's route is blocked, the laser projection will present a unique water ripple animation to remind pedestrians to avoid it.



Self status prompt

When the robot has no network or needs help, an exclamation mark will be projected on the ground

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Smart gull-wing doors are high-end and avant-garde

The standard model is equipped with electric double-opening gull-wing doors, which is full of technological sense.

Safe and worry-free delivery, and hygienic dishes



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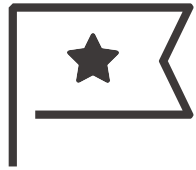
All things connected intelligently

Supports IoT connection methods such as
Type-C/4G/RoLa/Wi-Fi

Unlock more new gameplay

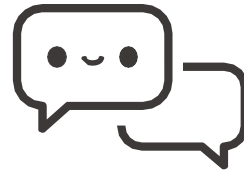


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Welcome and seat

Voice and manual control to guide the seat,
and autonomously plan the optimal route
Guide guests to take their seats and start the
first stop of black technology service



AI Voice

Built-in AI voice module with rich voice
dialogue library
Flexible wake-up, full disclosure, and
support for store customized settings



Remote Call

One-touch call, call and come. Stores can
flexibly adopt calling methods
Respond to customer needs quickly and
provide efficient services

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Multi-table delivery

One delivery task can meet the needs of multiple tables
Delivery is hassle-free and time-saving



Birthday Mode

In birthday mode, you can send birthday wishes and gifts to the designated table.

Send birthday cakes and present a specific UI interface on the machine screen.

And play songs, etc.

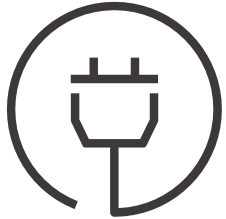


Cruise mode

Cruise in a specific area and provide services to guests through voice

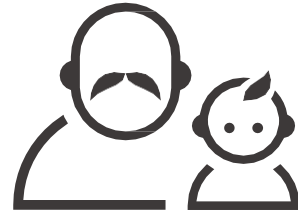
Information and promotions

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Automatic recharge

Supports automatic recharging, no manual intervention required, worry-free and labor-saving. Can work 24/7



Identification of special groups

Possessing the ability to identify the old and young groups, protecting the safety of the elderly and children
Avoidance is more considerate



INFAN400 cup holder

Smart use of the small space, with an adaptive cup holder on the top. Effectively solve the problem of beverage distribution

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More than one shape, choose as you like

Standard version (with smart cabin) and
open version (without smart cabin)



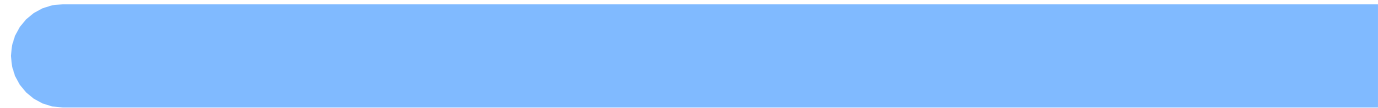
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More comfortable travel experience during peak hours

INFAN400 is different from ordinary food delivery robots. It can move freely to provide services to customers during peak hours in restaurants.

Intention visualization and multi-sensor fusion solutions can effectively improve the travel efficiency and experience of robots and people



Let waiters focus on table service and improve customer satisfaction

Robots are responsible for serving food and welcoming guests at the door, freeing waiters from tedious, repetitive and mechanical work.

Waiters can have more time and energy to focus on In terms of table service, we can respond to customer needs in a timely manner and improve the service quality of customers during the meal service experience, thereby improving customer satisfaction

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Differentiated marketing highlights to enhance core competitiveness

Different from traditional catering services, the use of intelligent food delivery robots to provide services to customers can trigger customers and staff to promote online and offline, attracting more potential consumers.

Young people and children will always be attracted by it from afar, bringing more customers to the restaurant



Optimize management methods and save labor costs

On duty 365 days a year, on call 24/7, no vacations, and no passive work. Reduce personnel management costs and manage easily without worries

It can meet the food delivery needs of multiple tables at one time, and the carrying capacity is far more than that of manual labor.

Effectively optimize the allocation of personnel to each position based on operational conditions

THANK YOU

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