



# HolaBot

A Delivery Robot That  
Features Calling and Notifications

Génération  
**ROBOTS**

# About HolaBot

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About Pudu

Product Introduction

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Product Specification

Supporting Service

Success Stories



## Shenzhen Pudu Technology Co.,Ltd.

Founded in 2016 and headquartered in Shenzhen, Pudu Robotics is a national high-tech enterprise dedicated to the design, R&D, production and sales of commercial service robots. The company has set up R&D centers in Shenzhen and Chengdu, and hundreds of after-sales service centers across the globe.

Powered by the core technologies of positioning and navigation, motion control, multiple-robot dispatching, obstacle detection and avoidance, NVH, intelligent interaction and automated simulation testing, Pudu Robotics has developed more than 600 patents and top-notch delivery robots, disinfection robots as well as delivery & reception robot with an Ad display. As a world-leading provider of commercial service robots, Pudu Robotics has sold tens of thousands of robots to more than 60 countries and regions around the world. The robots are widely used in restaurants, hospitals, schools, office buildings, government halls, subway stations, waiting rooms, etc.



# Say Goodbye to Dirty and Repetition Work

HolaBot is a delivery robot that features calling and notifications

tailored to **a variety of delivery scenarios.**

- **Best performance:** HolaBot has a carrying capacity as large as 60kg. With 4 trays and the IPX5 waterproof cabin. Great business capabilities give HolaBot unprecedented delivery efficiency
- **Most intelligent:** HolaBot supports paging function. With the modular base and the full-range depth sensor, HolaBot redefines the delivery robot





# Design for Delivery

**Efficient:** 60kg large capacity, fast movement, twice as efficient as the staff

**Secure:** Avoiding obstacles instantly for smooth movement, water-proof and spill-resistant

**Easy:** Require no extra maintenance except charging

**Durable:** 73,000km durability test (The data is based on certain environment test)

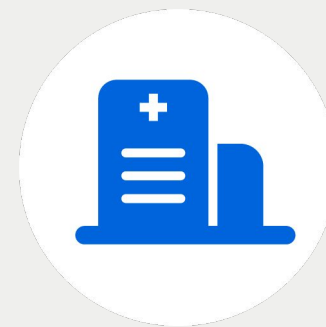


## Just the right choice of different indoor scenarios

Pudu Robotics has independently researched and developed. Its own robot positioning and navigating technologies based on multi-sensor solution, HolaBot could be widely used in commercial scenarios like restaurants, hospitals, hotels, office buildings, etc



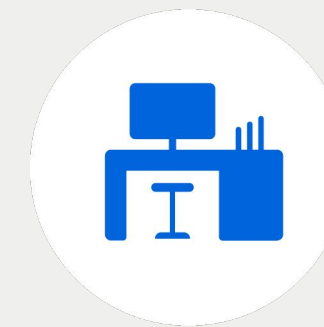
Restaurant



Hospital



Hotel



Office



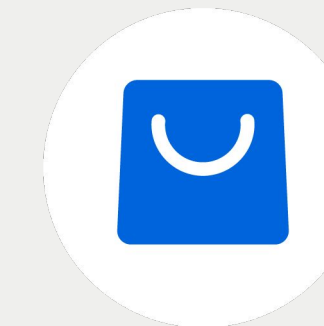
Government



Karaoke



Internet Cafe



Shopping mall



# Contactless delivery, safety means everything

The COVID-19 Pandemic profoundly changes our way of life and production. HolaBot supports calling function, traces the target following the voice directions, and receives remote operation commands. It is a critical solution to the post-pandemic era. In the restaurants, HolaBot receives demands from the pagers and collects the dishes automatically, requiring no manual operation, reducing people-to-people contact and boosting efficiency





## HolaBot Features

- 60kg carrying capacity
- Calling function, giving orders in flexible position
- Voice recognition for a hands-free experience, and Omnidirectional six-mic array for the robot to locate sound source in real time
- IPX5 waterproof inner cabin





## Pro Performance, Power to Delivery

### High Carrying Capacity

Build-in a 120L ultra-large cabin, HolaBot includes 4 Tier loading zone with adjustable trays level. The carrying capacity is 60KG. HolaBot is famous for its large volume and high carrying capacity.

**120L =** 120 small dishes  
39 large dishes  
33 Bowls

**60KG/ Collection**



### Most Adaptive

In the catering bussing scenario, the staff have to deal with a lot of greasy dishes and leftovers. Hola's inner cabin is the first in the catering industry to reach IPX5 waterproof, detachable and washable, convenient for staff to load and clean.



# Intelligent Delivery Robot Calling Function

In order to respond quickly to tasks, waiters can call HolaBot through watches. Tasks can be issued to the robot easily, ensuring the robot to be "on call" all the time.





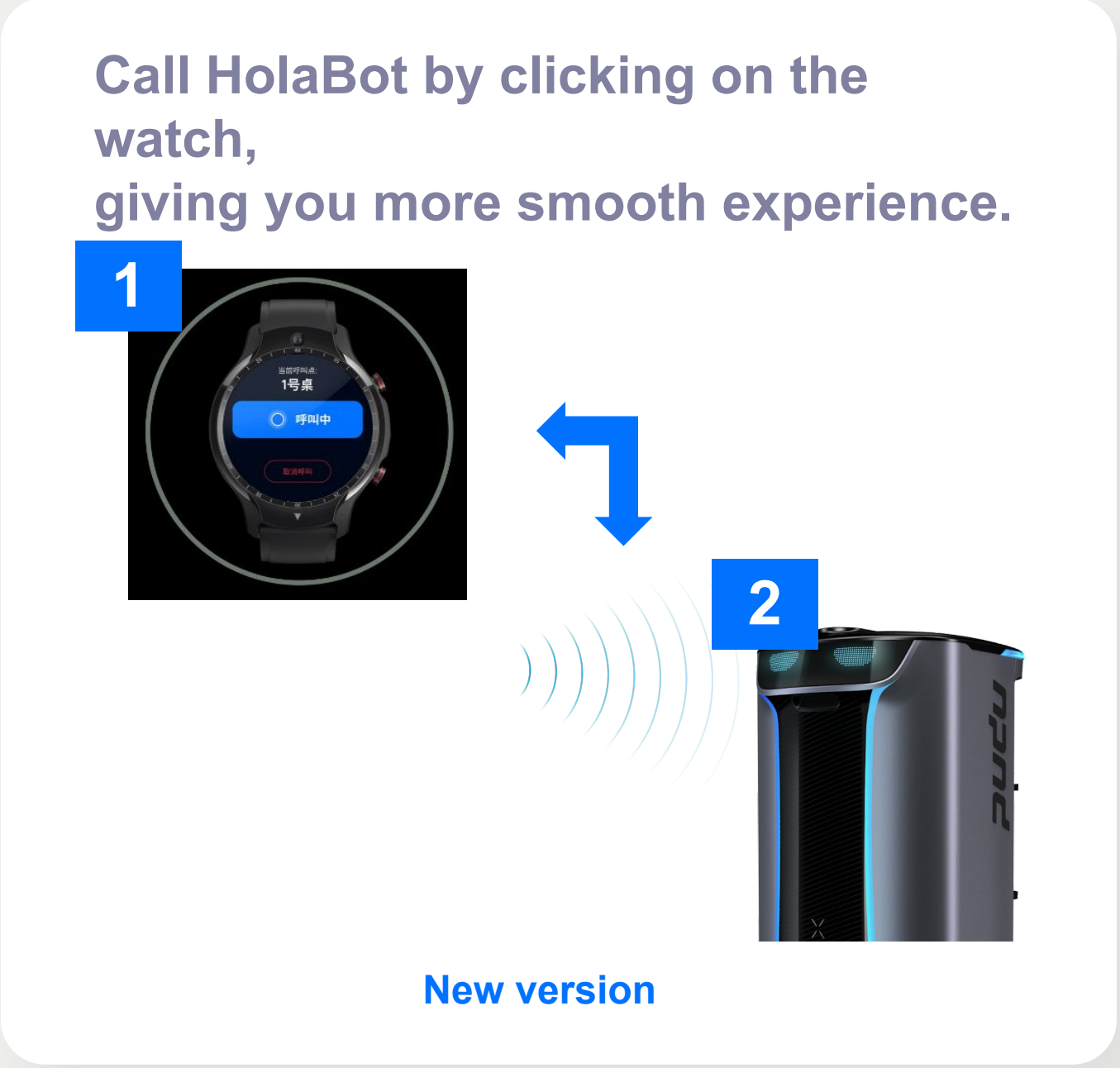
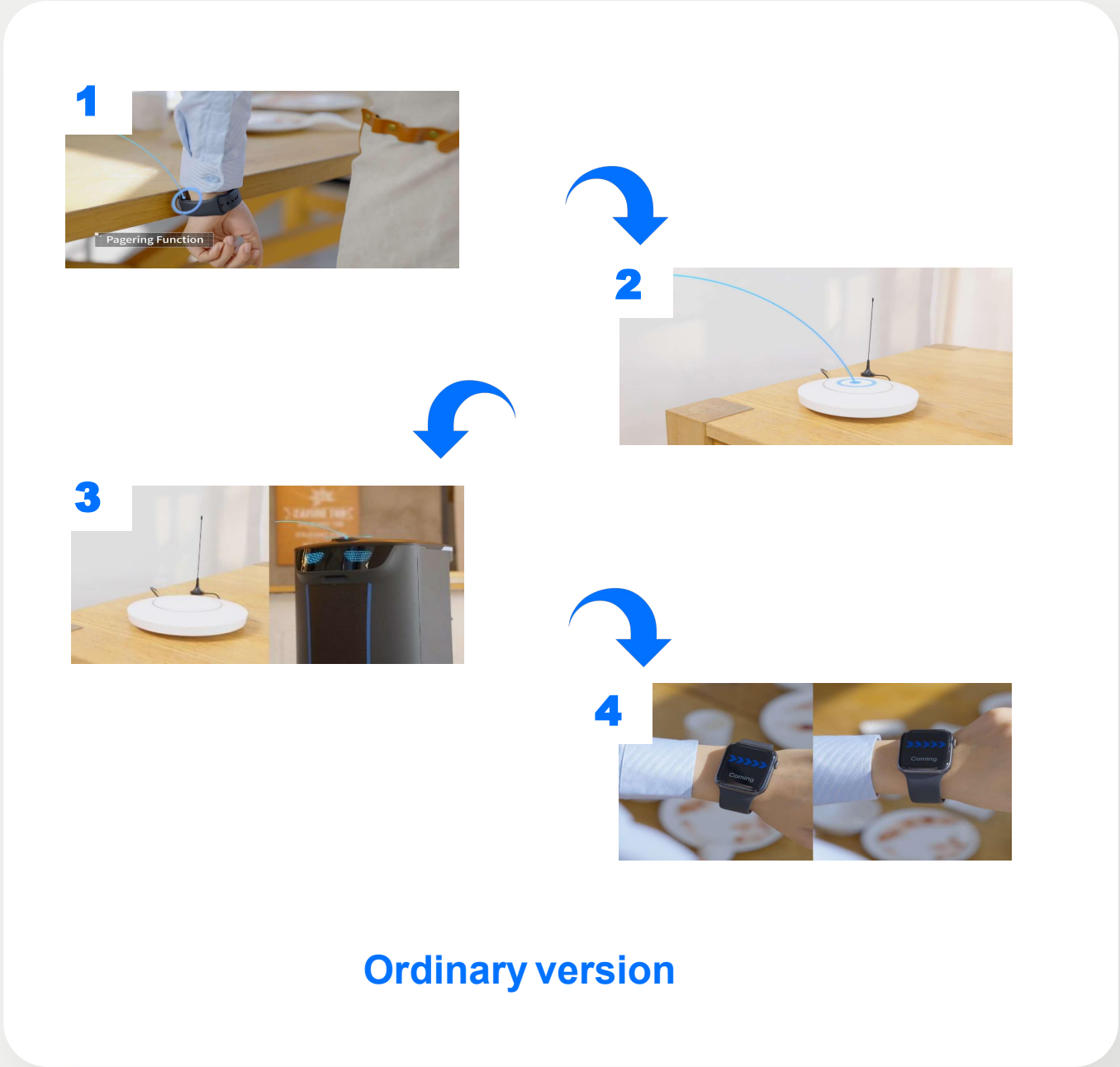
# Product Feature

**We have a better watch now !**



New watch		Ordinary watch
Sound+Pressing calling clicking on the watch	Calling function	RFID card calling swiping RFID card
16 Hours working time 72 Hours standby time	Battery life	3 Hours working time 6 Hours standby time
4G+wifi	Communication technology	lora+wifi (not compatible)
Stable	Signal	Ordinary
IP67	protection grade	IP65X

# More intelligent calling function



# Much longer battery life



**3h** working time

**6h** standby time

Out of power at peak time



**16h** working time

**72h** standby time



## Better protection grade

IP67 protection grade, No more afraid of getting dirty.



Ingress Protection

# IP67

Against Solids

Against Liquids

## Better communication technology, less installation process



**PK**



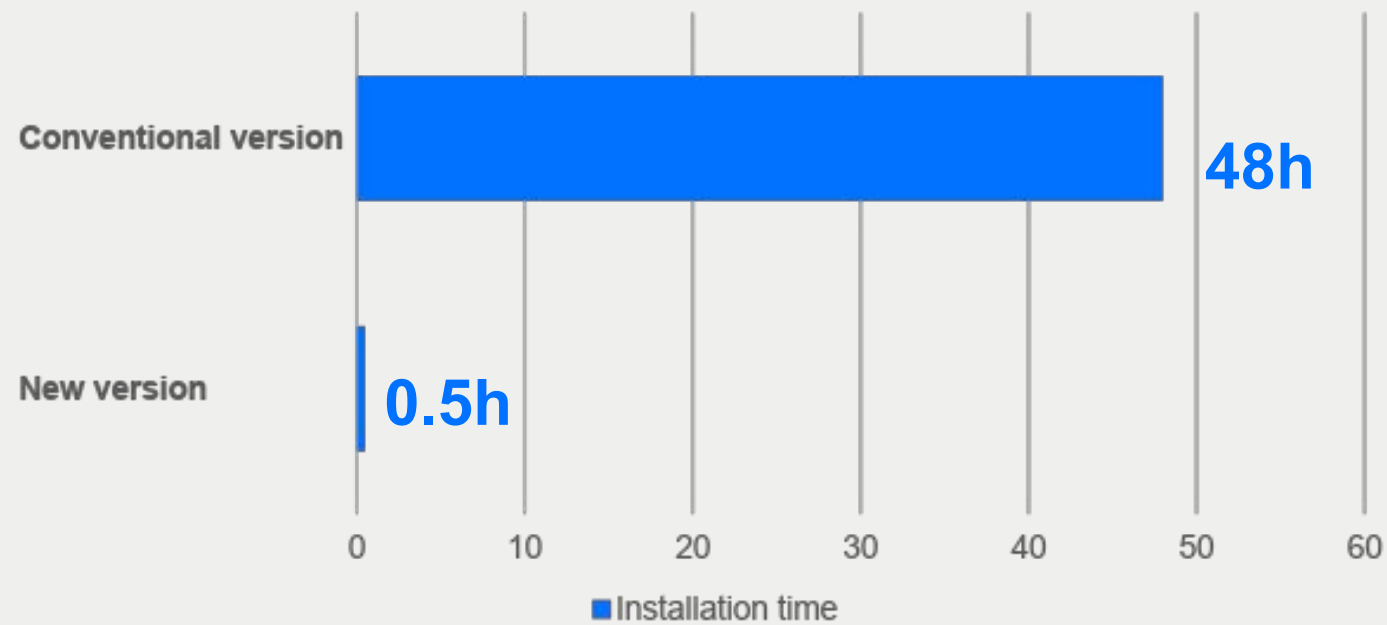
	New version	Ordinary version
Communication technology	4G	Lora
Installation time	30 mins	48h at least
Signal intensity	Stable & Unaffected	Unstable, easily disturbed
Extra accessory	\	RFID cards

## Shorter time and less expense

### Shorter Installation time

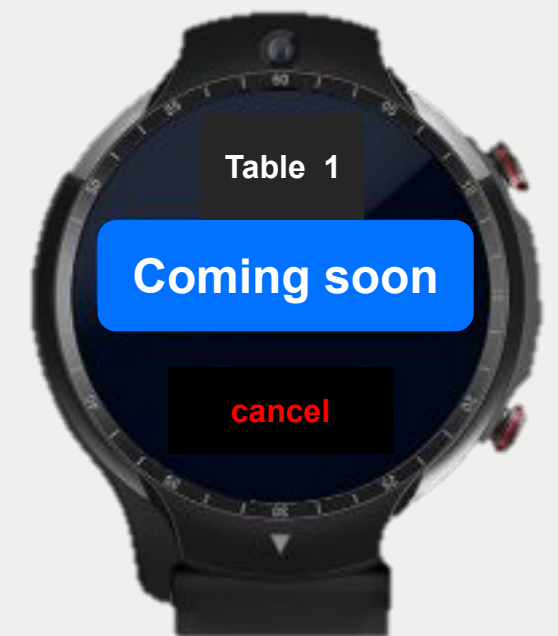
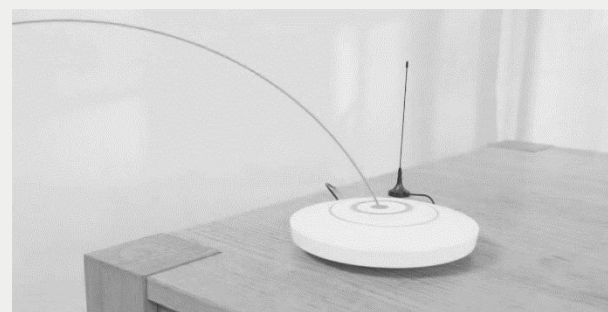
Simpler and faster installation methods, say farewell to the long waiting, **let HolaBot start to work quickly.**

Comparison of the Installation time



### Less cost, easier to use

Don't need to buy extra RFID cards ,No more additional expense, one watch can call HolaBot anywhere, makes calling HolaBot easier and more flexible.







## Intelligent Delivery Robot

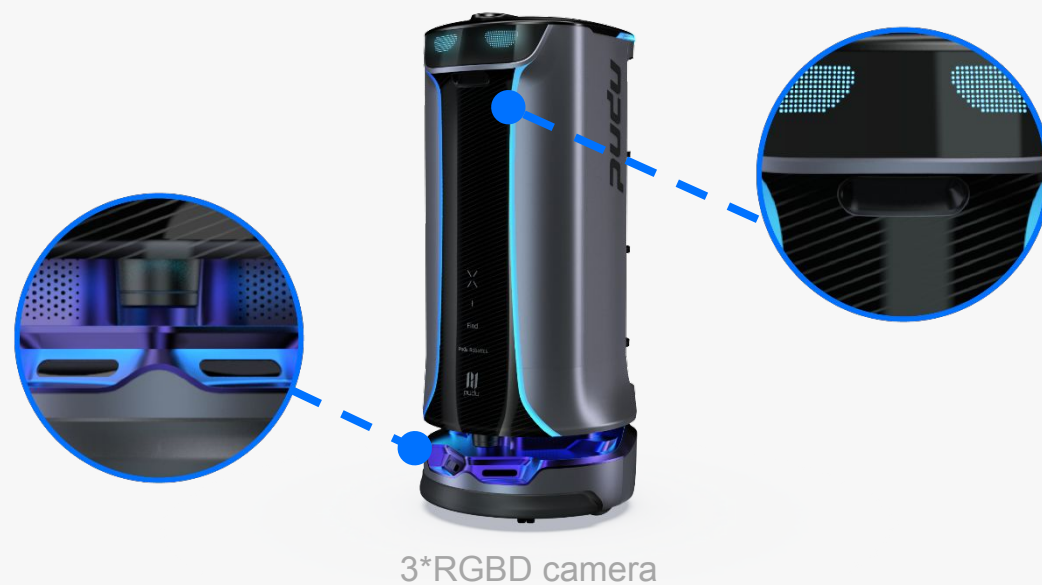
### Sound tracking: Auto and intelligent

Front-end noise reduction technology and full-range sound source positioning. HolaBot is able to identify the location of the staff following the sound “Hola,Hola” and turn the tank around towards the table, thus facilitating dish collection and table cleaning.



## Safe, to be safer

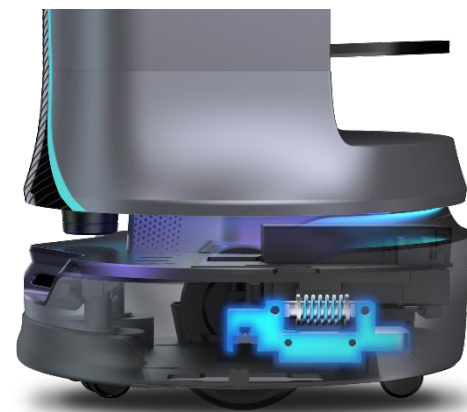
3D obstacle avoidance technology, is the safety performance guarantee



- 3\*REALSENSE™ RGBD camera  
Endows HolaBot with the best 3D perception ability
- Accurately detect obstacles and stop within **0.5 seconds** in case of any obstacle
- Extra-wide front detection scope, the maximum is **192.64°**
- Over **10 meters** of front detection distance
- Able to detect the objects with a height as small as **2cm**
- **5400** times of obstacle detection per minute at most

## Safe, to be safer

The independent suspension system, ensures steady delivery



- Holabot's self-adaptive and adjustable suspension system, which meets vehicle standards, adjust to the best condition by changing damping and resonance frequency based on the road and moving conditions
- Be capable of crossing **5mm** obstacles
- Deliver dishes with **no-spill out**



## A Comprehensive Collection of Certification

HolaBot can meet the requirement of certification such as EU CE certification, US FCC certification, Australian RCM certification, Canada IC certification, Singapore IMDA certification, Japan MIC certification and China CR certification, ensuring that the robot is safe and compliant





# Product Feature

## 3D Obstacle Avoidance Sensor

The RGBD camera at the neck part makes 3D obstacle avoidance acute

## All-aluminum Body

Aviation-grade aluminum alloy that is structurally stable, antioxidant and corrosion resistant

## Brand New Laser Radar

Customized laser radar with better detection accuracy



## Visual Camera Positioning

Top infrared camera for real-time positioning, set up the complete visual positioning solution

## 120L Inner Cabin

120 small plates, 39 big plates and 33 bowls at the same time

## Auto-level independent linkage suspension

Auto-level independent linkage suspension easily dealing with various of dump on the road

## HolaBot Specification

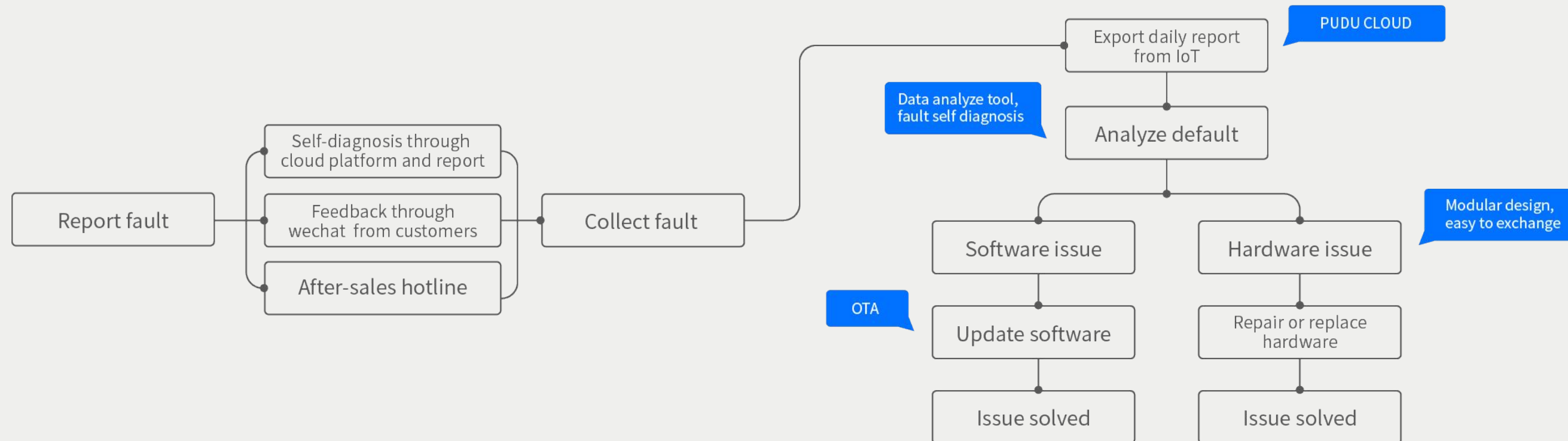


Machine dimension	541×531×1226 (mm)
Machine weight	60KG
Machine materials	ABS engineering plastics/Aviation grade aluminium alloy
Charging time	4.5H
Battery life	10-24H (replaceable battery)
Battery capacity	25.6Ah (safe levels of current in the human body)
Cruising speed	0.5-1.2m/s Adjustable
Capacity of single shelf	15KG
Carrying capacity	60KG



## PUDU IoT cloud service could solve over 90% of technical faults

- Real-time fault detection and reporting via the cloud platform: Not rely on clients' feedback, timely respond to and handle the faults
- Analyze and handle faults online: Locate the fault module precisely and handle over 90% of the faults online by IoT
- Automatic fault diagnostic tools: Improve the fault handling efficiency and lower the after-sales cost
- Modular design: Make after-sales service easier and professional by streamlining the maintenance steps





# PUDU Open Platform

The platform allows the developers to issue commands via the interfaces, rather than the robots



## RESTful SDK

RESTful SDK requires the online cloud service from the client, making the communication between PUDU Cloud and the clients' cloud possible via RESTful SDK, thus calling commands and receiving the status codes of the robots



## SDK remote control solution

Remote control the robot  
Input the task  
Monitor the location and status of the robot  
Obtain the task progress of the robot  
Other information



## Android SDK

Pudu provide the end-to-cloud Android SDK access solution  
Android SDK does not rely on the clients' business solutions. The users can develop the minitype applications via Android SDK, realizing direct call and control of the robot





## Real data, more convincing

### A restaurant in Shenzhen:

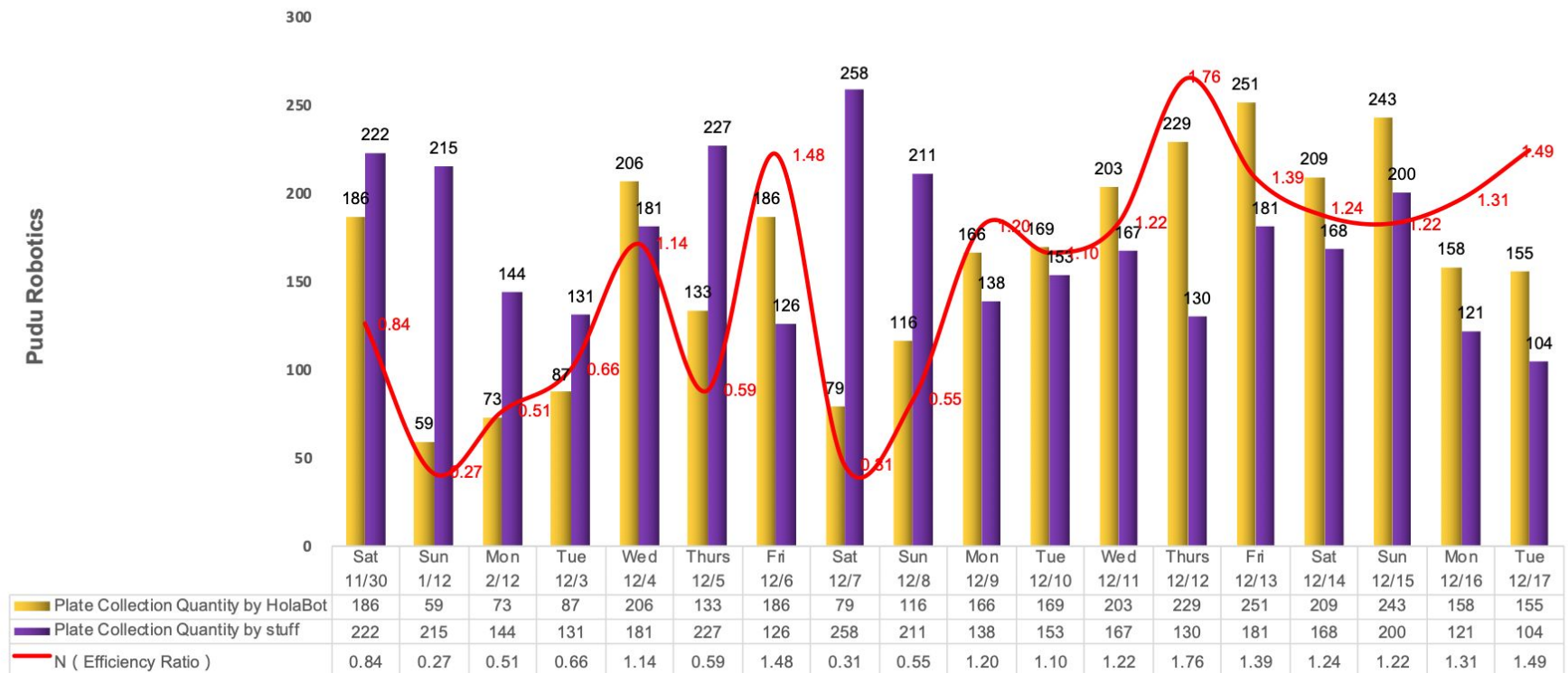
Total area 1600m<sup>2</sup>; dining area: 1000m<sup>2</sup>

Tables: 80 tables

Installed in 1 day (1 person)

Daily plate collection capacity: 210 times

### Comparison of daily plate collection quantities



## GÉNÉRATION ROBOTS

Our added value

With 16 years of experience in robotics, Génération Robots **distributes robots and robotic and electronic components.**

With operations in **France** and **Germany**, it is now one of the major players in the distribution and consultancy of service robotics in Europe.

16+ years

Of experience  
and expertise

120

Countries  
supplied

800

Referenced  
products

6M

Turnover in 2023



# DO YOU HAVE A PROJECT?



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**Request a quote**



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