



Products : **365ProBot**



# Features of **365ProBot**



## Immersive Human-Robot Interaction

- ❑ **See clearly** - With a 14.1-inch ultra-large 1920 x 1080px full HD display.
- ❑ **See widely** - 92% improvement in viewable area.
- ❑ **See newly** - Redesigned high-tech UI.



## **Self-Developed Mic Array**

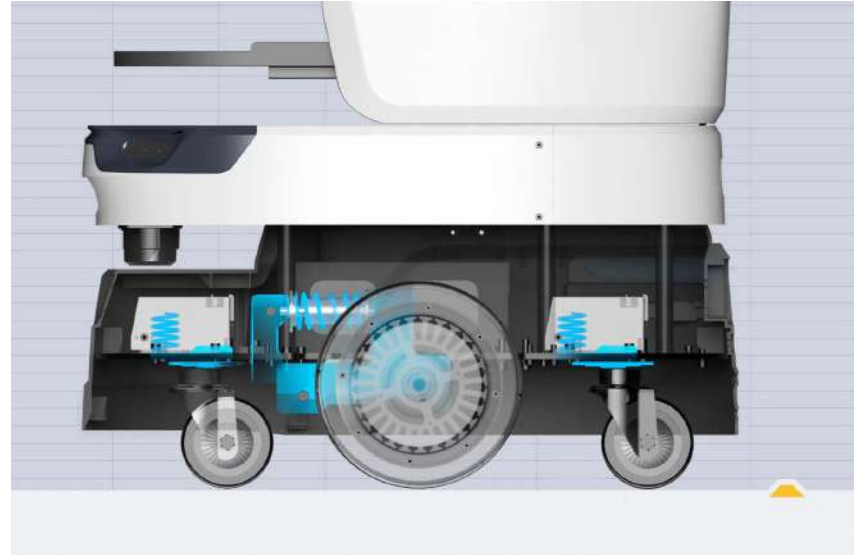
### Fluent Conversation in Noisy Environment

The self-developed microphone array (6MIC) is integrated in the middle area of the top of the head, which can achieve more than 97% speech recognition accuracy in a noisy environment of 75db.

# Features of **365Probot**

## **Solid and Stable Chassis**

High passability due to the quasi-circular chassis design. It fits various complicated ground environments, since adopting the Torsion Bar Suspension for the first time.



# Features of **365ProBot**



## See Clearly, Walk Steadily

- ❑ Built-in **240° Lidar + 3D omnidirectional obstacle avoidance sensor** achieves safer operation.
- ❑ Built-in **RGBD x 3 depth camera**, tiny obstacles can be rapidly and precisely detected.
- ❑ **Dual SLAM solution** can recognize location markers and will not get lost in the premises. It is able to auto correct the walking route to avoid error of the navigation.

# Features of **365ProBot**

## **Large Battery Capacity, Automatic Docking & Fast Charging**

- ❑ The **working time is up to 16 hours** on a single charge.
- ❑ Get back to work quickly : within **4 hours** the robot is **fully charged**.
- ❑ Charging is supported through both cable charging and **automatic charging dock**.



# Build with **High Quality Parts**



Voice  
Interaction Ability



Cloud Services and  
Data Storage



Obstacle Avoidance  
Sensors



Strong Computing  
Performance

## **Super Computing Power**

Qualcomm 10 nm 8-core CPU, super computing power ensures the robot can accurately detect and stop when encountering obstacles with a response time as short as 0.5 seconds

## **Strong Software Development Capability**

Independent development capability of software and hardware for the whole robot chain. More than 600 versions of software had been developed.

# Specifications : **365ProBot**



Specifications	
Product Size	525mm × 550mm × 1375mm
Weight	47kg
Screen Size	14.1-Inch, 1920 x 1080px
Speed	0.5 ~ 1.2 m/s (adjustable)
Battery Life	14 - 16 Hours (Based on actual working conditions)
Charging Mode	Supports two modes: Automatic Charging Dock, Cable
Charging Time	4.5 Hours (Charging Dock) / 4 Hours (Cable Charging)
Total Load	Up to 60kg
Gradeability	5 degrees
Network Supports	4G (Support TDD-LTE, FDD-LTE), WIFI (Support 2.4G/5G)
Hardware Platform	Qualcomm 8-Core Chip, Industrial Grade MCUs
Operating System	Deep customised RobotOS based on Android 9.0
Navigation Sensor	Lidar x 1, 3D Depth Camera x 3, Mono Camera x 2, Top IR Camera x 1, Odometer, IMU x 3
Optional Addon	- Trays - Automatic Doors - 24-inch Touch Screen



# Possibilities of **365Probot**





# Thank You!

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Please contact us for more information.

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