



# BellaBot

Premium Delivery Robot



# Key Client

**Panasonic**



# Features

## Upgraded All-New Delivery Capabilities

Masterful in delivery, cruising, and escorting guests.

## Industry First Dual SLAM Technology

Support both Visual SLAM and Laser SLAM navigation solutions for full coverage in any scenario.

## Four Core Escort Functions

Centimeter-level real-time positioning, high-precision mapping optimal route planning, and 0.5 second instant response for obstacle avoidance.

## Superlative Trafficability - Stable Operations

A minimum clearance at 70cm, and auto-level suspension to ensure smooth and steady operations.

## Industry First Robot Power Exchange Technology

12~24 hours ultra-long battery life, the quick-release battery can also achieve 24/7 operations around the clock.

## Pudu Cloud Service

Intelligent Cloud Scenarios & Robot Service Cloud provide data support for scenario-based operations.

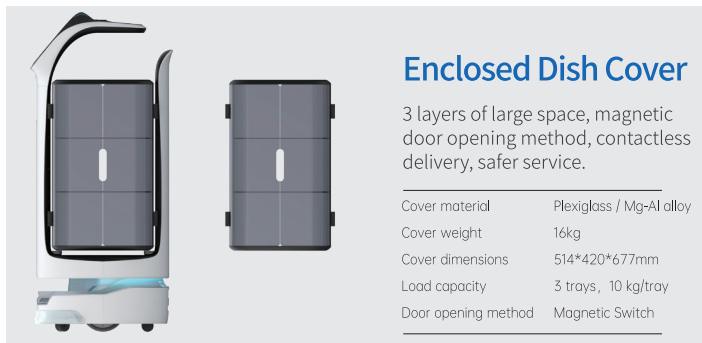


<b>Overall Size</b>	565×537×1290mm
<b>Robot Weight</b>	55kg
<b>Machine Material</b>	ABS/Aviation grade aluminum alloy
<b>Charging Time</b>	4.5H
<b>Battery Life</b>	12~24H (Replaceable Battery)
<b>Cruising Speed</b>	0.5~1.2m/s (Adjustable)
<b>Overall Load</b>	40kg
<b>Load Capacity Per Tray</b>	10kg

### Positioning Method

Marker Positioning: Supports a maximum height of 8 meters (optional high-level code)

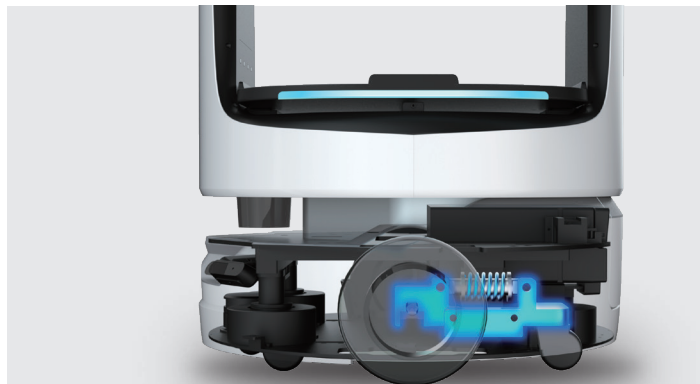
Laser Positioning: Code-free with no height restrictions



## Enclosed Dish Cover

3 layers of large space, magnetic door opening method, contactless delivery, safer service.

Cover material	Plexiglass / Mg-Al alloy
Cover weight	16kg
Cover dimensions	514*420*677mm
Load capacity	3 trays, 10 kg/tray
Door opening method	Magnetic Switch



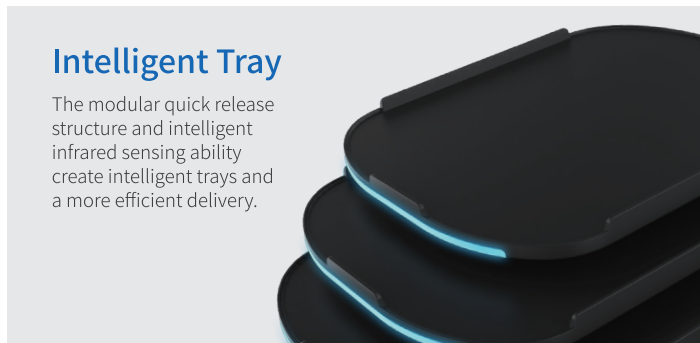
## Independent Interlinked Suspension

The newly developed interlinked suspension in automotive grade can adapt to surface undulation, effectively reduce the shake due to floor roughness and achieve excellent running ability.



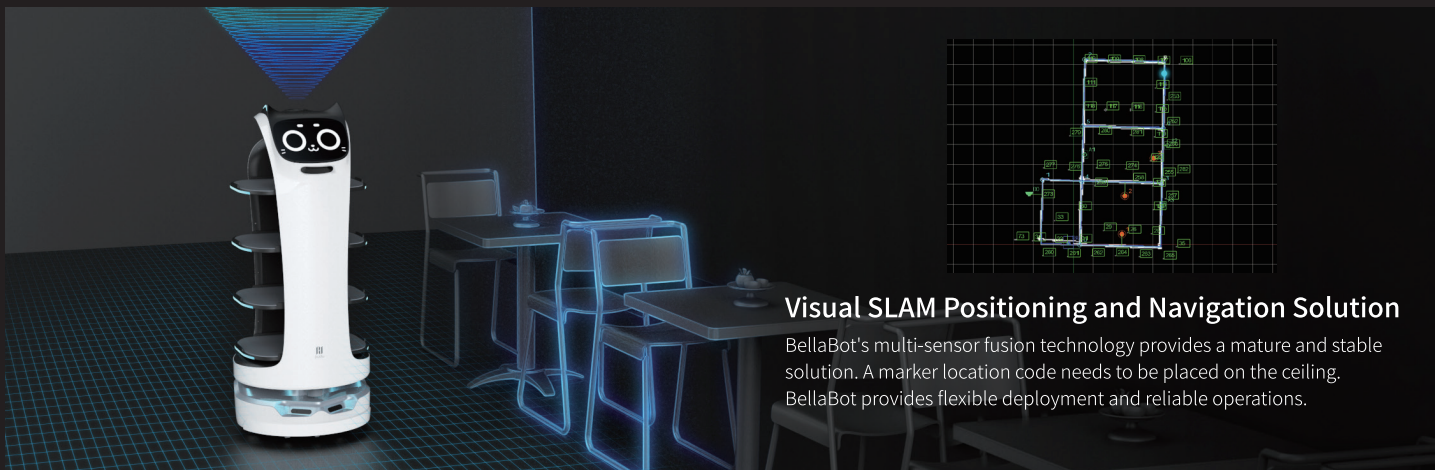
## Multimodal Interaction

Light interaction, touch feedback and smart expression bring an unprecedented human robot interaction experience.



## Intelligent Tray

The modular quick release structure and intelligent infrared sensing ability create intelligent trays and a more efficient delivery.



## Visual SLAM Positioning and Navigation Solution

BellaBot's multi-sensor fusion technology provides a mature and stable solution. A marker location code needs to be placed on the ceiling. BellaBot provides flexible deployment and reliable operations.



## Laser SLAM Positioning and Navigation Solution

Laser SLAM supports unlimited heights and does not require location code stickers. Simple to deploy, it supports multiple starting points and is more dependent on the surrounding environment than the marker positioning, making it more suitable for installation and deployment in sites with specific requirements.