

BellaBot

Premium Delivery Robot



Next-Gen Delivery Upgrade | Six Smart Modes



Dual SLAM Solution Covering All Scenarios



Four Core Escort Functions



3D Omnidirectional Obstacle Avoidance



Stable and Efficient



Remote Calling, Flexible Management



Next-Gen Delivery Upgrade | Six Smart Modes



Greeting Mode



Delivery Mode



Cruise Mode



Birthday Mode



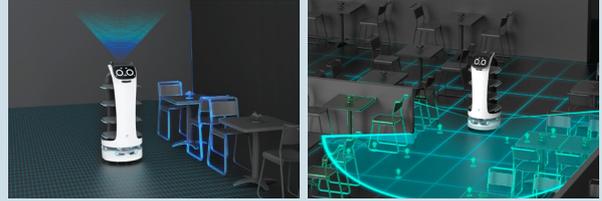
Dish-return Mode



Direct Mode

Dual SLAM Solution Covering All Scenarios

BellaBot supports both lidar and visual SLAM positioning and navigation to adapt to more scenarios. Both solutions are accurate and easy to use, providing an excellent and customer-centered experience to end-users.



Attentive Service with Multimodal Interaction

- Touch Interaction
- Light Interaction
- Expression Interaction



3D Omnidirectional Obstacle Avoidance

For higher safety, BellaBot comes with 3D sensors and a new modular chassis. It can stop when it encounters obstacles at any angle and then move away. With 3 RGBD cameras and the lidar, BellaBot can smoothly avoid low-lying and overhanging obstacles.



Steady Delivery Powered by Automotive Grade Independent Suspension

Automotive-grade Independent Suspension. The automotive-grade adaptive variable suspension system changes damping according to the road conditions and driving requirements, keeping the resonant frequency optimal.



Remote Calling, Flexible Management

Stores can utilize flexible calling methods such as the PUDULINK app, push-button callers, and 4G watches to swiftly respond to customer needs.



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|---|---|
| <ul style="list-style-type: none"> Machine Dimensions
565×537×1290mm (22.24×21.4×50.79in) | <ul style="list-style-type: none"> Robot Weight
55 kg (121.3 lbs) |
| <ul style="list-style-type: none"> Machine Material
ABS/aircraft-grade aluminum alloy | <ul style="list-style-type: none"> Battery Life
13h (None load) |
| <ul style="list-style-type: none"> Charging Time
4.5 h | <ul style="list-style-type: none"> Safety
0.5-1.2m/s (1.64 - 3.94 ft/s) (Adjustable) |
| <ul style="list-style-type: none"> Load Capacity
Max 40kg, 10kg/tray
(Max 88.18 lbs, 22.05 lbs / tray) | <ul style="list-style-type: none"> Tray Size
410 × 510 mm
(16.14 × 20.08 in) |
| <ul style="list-style-type: none"> Tray Height
230.1 mm/199.9 mm/199.9 mm/180.1 mm
(9.06 in /7.87 in /7.87 in /7.09 in) | |



🔍 Pudu Robotics

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🌐 www.pudurobotics.com