

ROBOTIX MARKET

PRODUCT BROCHURE
2026 edition

PUDU ROBOTICS · DELIVERY &
ADVERTISING ROBOT · ROBOTIX
MARKET

BellaBot Pro

**Premium restaurant and
hospitality delivery robot
with four trays and an 18.5-
inch advertising screen**

Delivers 40 kg a run through 65 cm
gaps, promotes on a mobile screen and
charms guests with a cat's personality.



Available worldwide from Robotix Market
robotixmarket.com

The delivery robot guests actually like

BellaBot Pro is Pudu Robotics' premium delivery and advertising robot for restaurants, hotels and retail. Four trays carry 40 kg per run, an 18.5-inch advertising screen turns every trip into a promotion, and a cat-inspired head with a 10.1-inch face greets, reacts and guides. Upgraded VSLAM+ navigation deploys without changing the venue, and Omni-Sense safety watches the whole front of the chassis.

Four trays, 40 kg a run

Four 410 × 500 mm trays carry up to 10 kg each — 40 kg per trip — on a vehicle-grade chassis tuned so soups and drinks arrive level.

Guests know which tray is theirs

Tray lights and ambient lighting point to the right tray; fish-eye cameras see the dish leave and send the robot on.

Sees what is ahead

Omni-Sense safety: 2 front-view cameras, 3 RGBD sensors and a LiDAR cover the whole front of the chassis; it stops for obstacles and steers around them.

An 18.5-inch billboard on wheels

The advertising screen runs your images and video on every trip through the room; the 10.1-inch face screen keeps the cat's expressions.

Deploys fast, fits tight rooms

Upgraded PUDU VSLAM+ maps the venue without modifying it, and a 65 cm path clearance gets it through crowded dining rooms.

A character guests remember

Greeting, light, ear-touch, voice and back-touch interaction, plus AI voice that greets, explains and guides — and a birthday mode.


40 kg

LOAD PER RUN (4 TRAYS)

65 cm

PATH CLEARANCE

18.5"

ADVERTISING SCREEN

11 h

RUN-TIME (NO LOAD)

4.5 h

CHARGING TIME

Five delivery modes

CHOSEN PER TASK IN PUDU LINK

1

Delivery

Dishes and drinks from the pass to the table

2

Recycle

Collects plates and glasses back to the kitchen

3

Cruise

Roams the room as a mobile advertising ambassador

4

Guide

Leads guests to their table or destination

5

Birthday

Celebration run with lights, sounds and expressions

Every part of BellaBot Pro has a job

Cat-ear head, 10.1-inch face

Expressions, greetings and ear-touch interaction on a cat-inspired head

18.5-inch advertising screen

Faceted into the body to cut reflections; images and video, customisable

Four lit trays, 410 × 500 mm

10 kg each, 40 kg in total; the top three adjust 100 mm downwards

Fish-eye tray detection

Visual detection on the trays confirms the pick-up



FRONT



HEAD AND SCREEN

2 front-view cameras + 3 RGBD + LiDAR

Omni-Sense perception across the whole front of the chassis

Ground projection

Crosswalk caution projects patterns at intersections to warn pedestrians

Vehicle-grade chassis

Motion control tuned for stable delivery of liquids and stacked plates

65 cm path clearance

Large-robot capacity in a body that threads narrow aisles at up to 1.2 m/s

57 × 55 × 129 cm

DIMENSIONS (L × W × H)

55 kg

WEIGHT

410 × 500 mm

TRAY SIZE

25.6 Ah

BATTERY

What sets BellaBot Pro apart

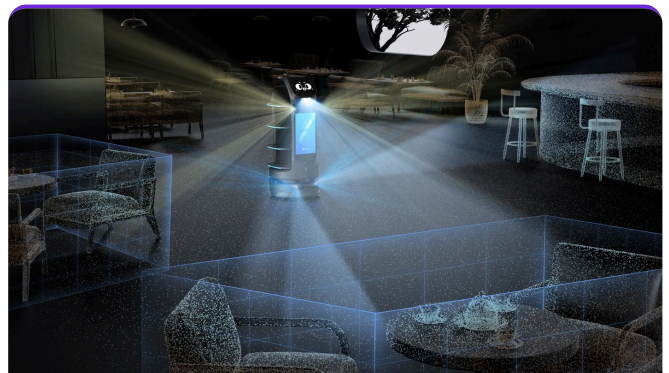
Upgraded VSLAM+ for rapid deployment across vast venues

LiDAR and visual SLAM with markers, paired with a powerful computing system, map large venues quickly and without modifying the environment — so the robot is working on day one.



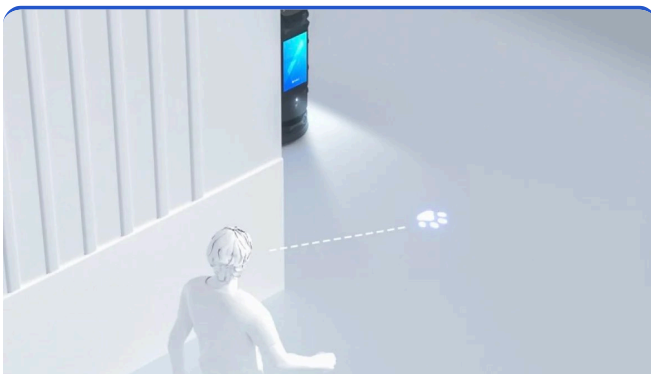
Clear guidance, accurate retrieval

Tray lights and ambient lighting show the guest which tray to take; fish-eye visual detection confirms the pick-up and the robot moves on.



Omni-Sense safety

Two front-view cameras, three RGBD sensors and a LiDAR give full front-end detection. BellaBot Pro halts for obstacles and navigates on with ease.



Crosswalk caution

Autonomous safety awareness: at intersections it projects patterns onto the floor to alert pedestrians in blind spots.



Multimodal interaction

Greeting, light, ear-touch, voice and back-touch interaction, with AI voice that greets guests, explains and compares products and guides them.

WHERE IT WORKS

Dining rooms, lobbies, shop floors and events

Restaurants

Delivery, recycle and cruise modes carry dishes out and plates back; the screen sells the specials on the way.

Hotels & lobbies

Guide mode leads guests to their table or room; greeting interaction and a friendly face at the door.

Cafés & bakeries

Four trays clear the counter at peak; tray lights show each guest which order is theirs.

Retail & supermarkets

Cruise mode turns BellaBot Pro into a mobile marketing ambassador with an 18.5-inch screen.

Events & celebrations

Birthday mode, light interaction and expressions make deliveries part of the show.

Malls & mixed venues

Autonomous gate passage and IoT calling keep it moving between zones and floors.



BellaBot Pro comes in white or black. IoT options — autonomous gate passage, Pudu Pager calling, 4G Pudu Watch calling and Pudu Link management — connect it to the venue, and PUDU's accessory range extends what it can carry.



Called by pager or watch, managed in Pudu Link

Staff summon the robot with a Pudu Pager or a 4G Pudu Watch; Pudu Link sets up the map, the modes and the screen content, and shows each robot's status. Autonomous gate passage takes it through access gates between zones.

BellaBot Pro at a glance

DELIVERY

Maximum load	40 kg in total, 10 kg per tray
Trays	Four trays, 410 × 500 mm; spacing 230 / 200 / 200 / 180 mm from the top, the top three trays adjustable 100 mm downwards
Tray detection	Visual detection (fish-eye camera); tray lights and ambient lighting show which tray to take
Delivery modes	Delivery, recycle, cruise, guide and birthday modes
Path clearance	65 cm
Chassis	Vehicle-grade chassis and motion-control algorithms for stable delivery

INTERACTION & MARKETING

Screens	10.1-inch LCD face screen and 18.5-inch LCD advertising screen (images and video)
Interaction	Greeting, light, ear-touch, voice and back-touch interaction
AI voice	Greets guests, explains and compares products, guides customers
Crosswalk caution	Projects ground patterns near intersections to alert pedestrians
Design	Cat-inspired design with cat ears; colours white or black

NAVIGATION & SAFETY

Navigation	PUDU VSLAM+ with marker and LiDAR SLAM; no environmental modification needed
Sensors	3 × RGBD, 1 × LiDAR, 2 × front-view camera
Omni-Sense safety	Full front-end chassis detection; stops automatically for obstacles and steers around them
Cruise speed	0.2–1.2 m/s, adjustable

POWER

Battery	25.6 Ah
Run-time	11 h (no load)
Charging time	4.5 h

BODY & CONNECTIVITY

Dimensions (L × W × H)	57 × 55 × 129 cm
Weight	55 kg
IoT	Autonomous gate passage, Pudu Pager calling, 4G Pudu Watch calling, Pudu Link management
Accessories	Versatile accessories from PUDU's accessory range

Sources: Pudu Robotics BellaBot Pro product page and comparison table (pudurobotics.com/en/products/bellabotpro) and the BellaBot Pro product flyer (April 2025); robotixmarket.com. Figures are the manufacturer's; run-time is PUDU's no-load figure. Where a value is not published it is left out rather than estimated.

NEXT STEP

Put BellaBot Pro on your floor

Tell us about the venue — floor plan, aisle widths, number of covers and what the screen should show. We will come back with a configuration, a delivery estimate to your address and a formal quotation.

Request a quotation

Web · robotixmarket.com/products/pudu-robotics-bellabot-pro

Email · info@robotixmarket.com

Prices and configuration on request. Robotix Market ships worldwide.



Scan for the product page

Sourced new

Supplied through established distribution channels.

Manufacturer warranty

Every robot ships with the full Pudu Robotics manufacturer warranty and official documentation.

Support

Technical support is coordinated with the manufacturer's service network.

See it in action

youtube.com/watch?v=6Nt8SWO9LaY · youtube.com/watch?v=y4qg6N9Vff8 · youtube.com/watch?v=yy6l-am8VQA