

PuduBot 2 Universal Delivery Robot

Relay of classic —





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PuduBot 2

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PuduBot



PuduBot 2

PuduBot 2, the newly upgraded delivery robot from Pudu Robotics, inherits excellent features and functions from PuduBot.

PuduBot 2 is committed to realizing intelligent deliveries in all scenarios, promoting the application of service robots and accelerating the overall robot development with higher performance, better functional extendability, environmental adaptability and reliability in use.





| Dimension | 580mm*535mm*1290mm |
|-----------------------------|--------------------------|
| Machine Weight | 39kg |
| Tray Size | 500mm*432mm |
| Single Tray Load | Maximum 13kg |
| Maximum Loads | 40kg |
| Battery Life | 10~24h |
| Charging Time | 3h |
| Path Clearance | 80cm |
| Cruise Speed | 0.5m/s~1.2m/s |
| Obstacle Negotiation Height | 10mm |
| Climbing Angle | ≤5° |
| Positioning Method | PUDU VSLAM+ & Laser SLAM |
| Dispatching | Maximum 20 |
| Charging | Wire or Automatic |



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PUDU SLAM

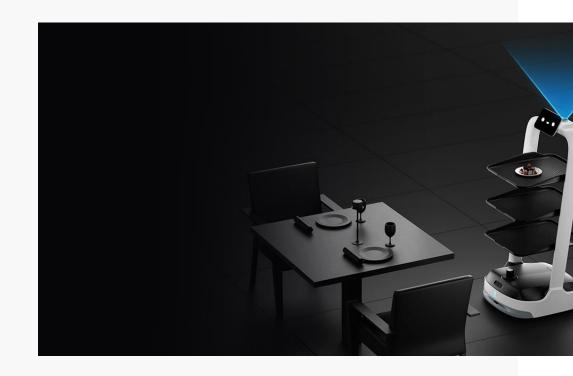
Fusing laser and visual positioning & navigation technology

- Support Laser SLAM, PUDU VSLAM+, or Fusion (Laser & VSLAM+)
- Position and navigate with ease in complex and dynamic environment
- Enhanced positioning, perception and route planning efficiency

PUDU VSLAM+

New generation of PUDU VSLAM technology

- Marker-less deployment, reducing 75% deployment time
- Comfortable operation even in high ceiling environment up to 30 meters
- Extra large scene mapping for up to 40,000m²
- Improved stability with fewer changes of the positioning reference
- Greater adaptability of different scenarios under different light conditions



Industry-leading Chassis System Better Stability, Better Performance

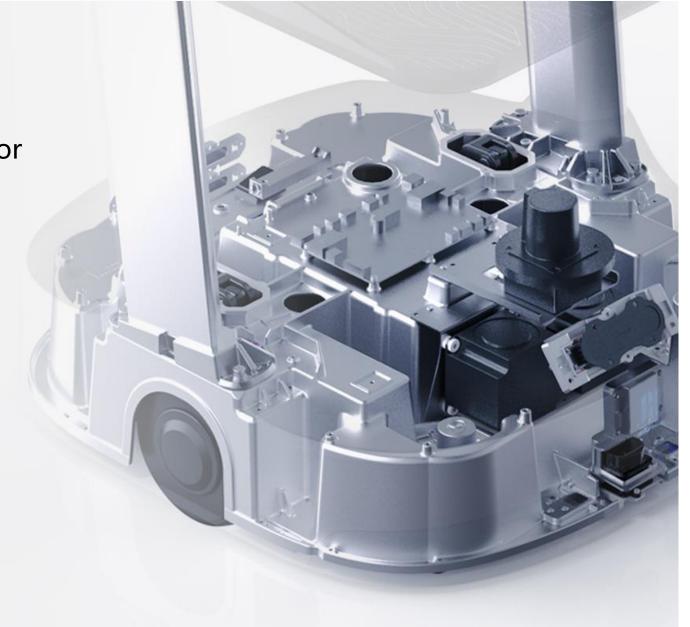
- Highly integrated chassis with newly upgraded vertical linkage suspension system
- Significantly improved obstacle-crossing capability
- Adapt to different road surfaces, 30% improvement in moving stability
- Smooth mobility even with bumpy roads



*Source: PUDU Lab

PUDU-developed Servo In-wheel Motor Cost Reducing, Efficiency Boosting

- 33% increasement in load capacity
- 16% improvement in energy utilization
- Excel in both performance and energy saving



*Source: PUDU Lab

Dual Lidar, Precise Perception More Reliable, More Secure

- Dual-Lidar system provides PuduBot 2 the ability of 360 degree sensing, with environmental features in full view
- The upper lidar is responsible for distance detection, with an effective obstacle avoidance capability within 0.8m (at a load of 40kg and 1.2m/s travel speed)
- The lower lidar is responsible for ground detection with the shortest detectable height of 8cm



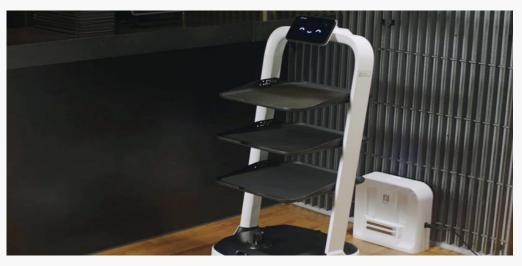


High Performance LFP Battery



- Extended battery durance
- Operates up to 24h on a 3 hour charge
- 6X longer battery lifetime
- Enhanced safety and reliability

Automatic Charging



- Co-charging pile with other Pudu products
- Automatic recharge at set time or when battery level is lower than set threshold

Multi-Modal Delivery

• One robot serves for multiple purposes

Multi-Table Delivery

Serve several tables at one go



Food Delivery Mode



Delivery Mode



Cruise Mode



Direct Mode



Dish Return Mode



Birthday Mode

Meet the diversified delivery needs

Calling and Notification

Autonomous and flexible, anytime and anywhere









Calling Robot

- Support PUDU Pager, PUDU Watch & PUDU Link
- Assign and manage tasks simply with one click



VIP Room Notification

- Notify the guests on robot arrival
- Enable more efficient delivery service for private rooms

Automated Pass-through

Safely and automatically pass through E-gates or Electric glass doors





Fully Enclosed Machine Design



Machine Slit ≤1mm



Effectively resist dust and water

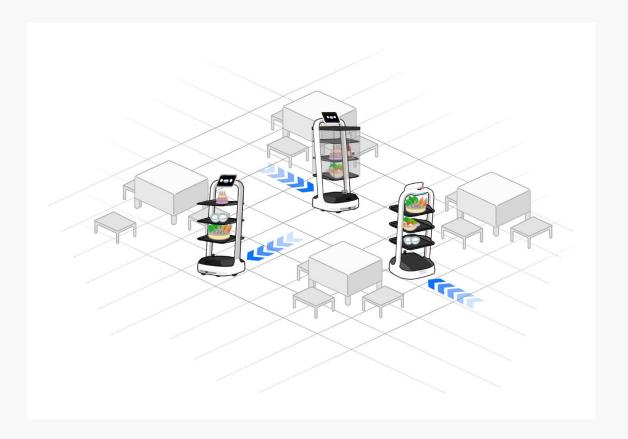


IP42 rated



Multi-Robot Collaboration

- Powerful self-organized network
- Dispatch up to **20** robots in one environment
- Realtime environmental perception
- Automatically detour for traffic congestion
- Adapt to complex and dynamic scenarios
- Allow painless collaboration among robots

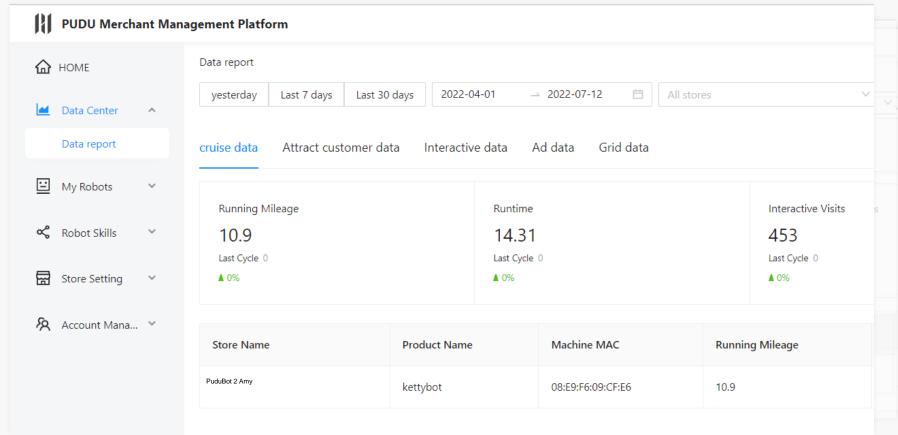


Various Forms, Versatile Accessories





24 X 7 Management and Analysis

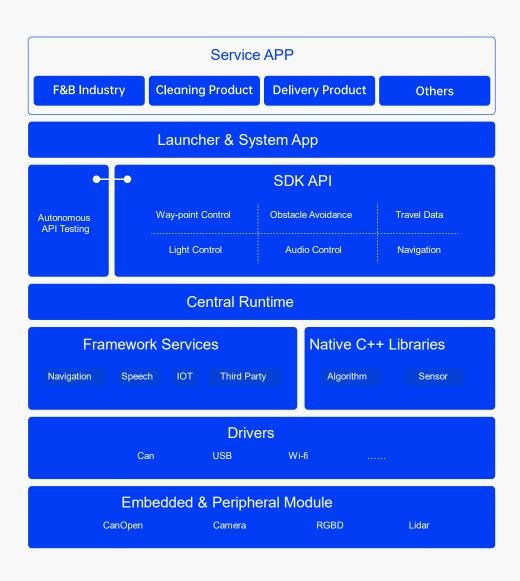




PUDU OS

All-inclusive Platform, Endless Capabilities

- PUDU self-developed integrated robot operating system platform based on various PUDU product with a powerful cloud platform
- PUDU self-developed security system with high credibility
- Open SDK API, support 3rd party integration and development



Customization Services



Customized Sticker

- Create your exclusive PuduBot 2 for greater brand exposure
- Make your robot unique and eye-catching



Customized Voice Pack

Online upgrade and real-time sync.

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Multi-Industry, Multi-Scenario Coverage



Restaurant & Café



Hospital & Clinic



Hotel & Resort



Office



Senior Living



Manufacture



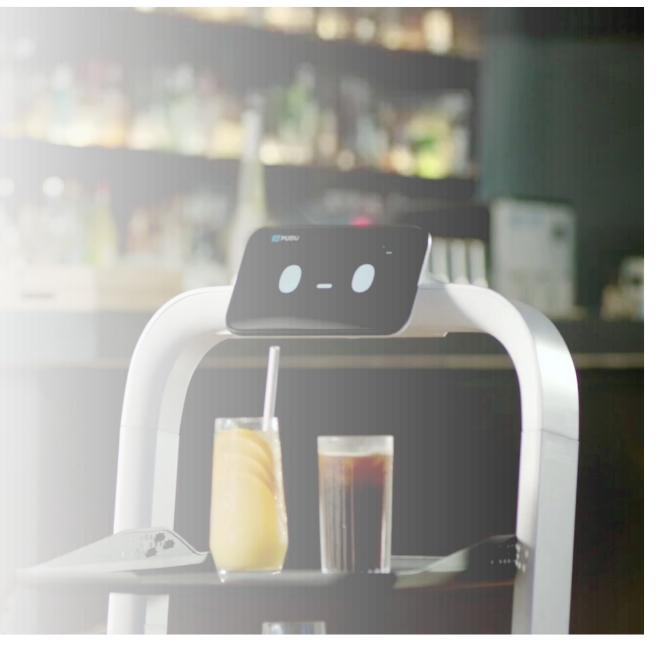
Entertainment & Leisure



Retail

Contact-free Delivery

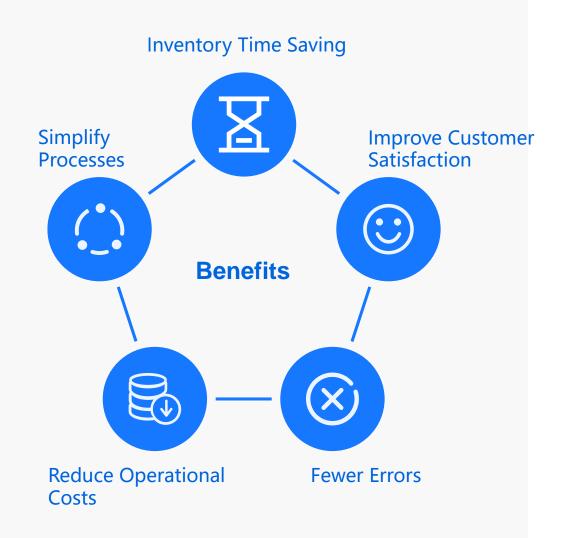
The COVID-19 profoundly changes our way of life and production and lots of restaurants have offered contact-free delivery to guarantee the safe transfer of food nowadays. PuduBot 2 supports pager function and receives remote operation commands. In different use scenarios PuduBot 2 can receive demands from the pagers and collects the dishes or items automatically, reducing contagion risk between people while boosting delivery efficiency.



Keep up with Trend of Restaurant Automation

Restaurant Automation is the use of automated or robotic technology to complete tasks throughout the restaurant and facility in order to simplify ordering, meals preparing, food delivery and bill payment.

Embedded in strong foundations and in-depth understanding of catering industry, PuduBot 2 possesses the significant features to streamline the food delivery services. And the powerful multi-robot dispatch system distinctly cuts down on the human labor required to stay up and table running.



Mitigate Labor Shortage

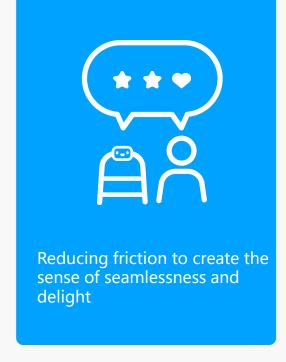
The pandemic has been hugely devastative to the labor market and fundamentally altered the industries and locations where would-be employees want to work. Employers are struggling in looking for and retaining qualified staffs.

Deploying robots to replace the 4-D jobs (Dull, Duplicate, Dirty and Dangerous) is trendy and will become ubiquitous in future. With the help of robots, employees may focus more on the high-value work and have a better work environment, which results in better work experience and satisfaction.

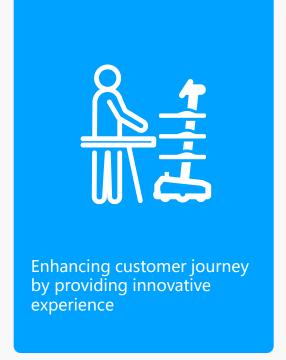
Revolutionize Customer Experience

Commercial robots are being successfully integrated into different hospitality organizations or retail stores to improve customer experience.









Your Reliable Business Partner Build the future together

Solid partnerships starts with a shared commitment to providing superior value to you, we will support you as followed:



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Milestone

2016



Jan.: Shenzhen-based

Founded in 2016

2017



Mar.: Released First Delivery Product – PuduBot

Jul.: Won Red Dot Award – The Best of the Best

2018



Jun.: Series A Financing: Raised \$8 Million

Nov.: Approved as a National High-tech Corporate

2019



Jun.: Global Strategic Cooperation – Haidilao Hotpot

Sep.: Strategic Cooperation – Xiabu Xiabu

Dec.: Released Multi-featured Products – BellaBot & HolaBot

2020



Jan.: Awarded CES Technology Innovation Award

Feb.: Contributed to Hundreds of Hospitals during COVID-19 Outbreak

Jul.: Series B Financing: Raised over \$15 Million by Meituan

Aug.: Series B+ Financing: Raised \$15 Million by Sequoia China Investment Management LLP

Dec.: Launched Disinfection Robot – Puductor 2

2021



Mar.: Sub-branch R&D Center Set-up

Mar.: Launched New Products - KettyBot & FlashBot

May: Series C1 Financing: Raised \$78 Million by Tencent, Meituan and Sequoia China

Investment Management LLP

Sep.: Strategic Cooperation - Panasonic

Sep.: Series C2 Financing: Raised \$77 Million by Meituan, Greater Bay Area Homeland

Investments Limited, Shenzhen Investment Holdings Co., Ltd., Sequoia China

Investment Management LLP

Oct.: Won G-mark – Good Design Award

2022



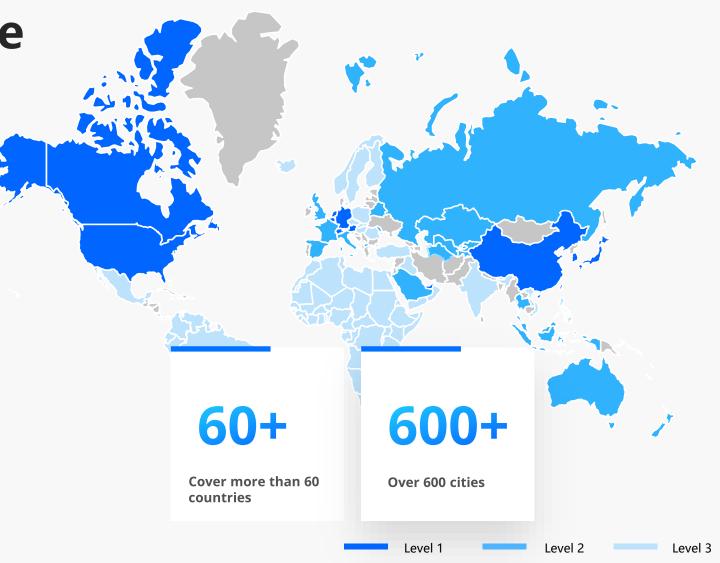
May: Released New Delivery Product - SwiftBot

Jun.: Released New Cleaning Product - PUDU CC1

Scale Advantage

Globalization

Pudu Robotics has established a business presence in North America, Europe, East Asia, Asia-Pacific, the Middle East and Latin America. The products have been exported to more than 60 countries around the world, covering more than 600 cities worldwide. Pudu Robotics has established a trustworthy international brand image and become one of the representative enterprises of China's "intelligent" manufacturing abroad.



Certificate & Patent

All of existing products have passed the multi-certification that match the targeting markets.



Pudu Robotics has applied for about 1200 core patents, of which invention patents are over 60%, involving positioning, navigation, motion control, human-computer interaction, robotics arm, servo motor, computer vision, cloud platform and other technical fields.





Honor

Pudu Robotics has been recognized by organizations and institutions in various industries.



























Cooperation

Pudu Robotics has reached strategic cooperation with many famous brands.



24,000+

Delpoyed Store

















































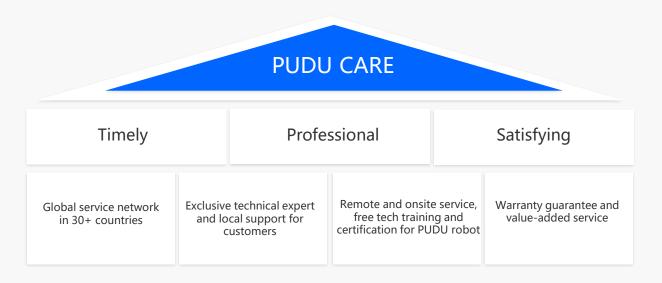


Operation Advantage

Offline Service:

- 1 Year Free Warranty
- 7 × 24 Hours Service
- Local Service & Support

Pudu Robotics has a thorough after-sales support system and humanized after-sales policy as well, whenever it is needed, we are going all out to offer service and reach your satisfaction.







Thank you!

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