PUDU

PUDU

PUDU ROBOTICS

PRODUCT BROCHURE

PUDU ROBOTICS

Pudu Robotics

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PUDU ROBOTICS

Pudu Robotics, a global leader in the service robotics sector, is dedicated to enhancing human productivity and living standards through innovative robot technology, with a mission to serve 10 billion people worldwide.

Pudu Robotics emphasizes three core technologies: **mobility, manipulation, and artificial intelligence.** Pudu Robotics has taken the lead in establishing a comprehensive range of **specialized, semi-humanoid, and humanoid robotic products** in the industry. Currently, PUDU offers four product lines: **service delivery robots, commercial cleaning robots, industrial delivery robots and embodied intelligent robots**, which are deployed across ten major industries, including food and beverage, retail, hospitality, healthcare, entertainment and sports, industrial facilities, education, and more.

To date, Pudu Robotics has successfully shipped **over 120,000 units** to a variety of markets, with a presence in **more than 1,000 cities across 80+ countries and regions** worldwide.

Global Leader in Service Robotics

TOP 1
Global Market Share *

120,000+
Shipped Globally

>80%
Market Share in Overseas Catering Industry

80+
Countries and Regions Covered

1,000+
Cities Covered

700+
Global Distributors

* Source: Market Research on Global Commercial Service Robotics (2023) by Frost & Sullivan



Pudu Robotics has established two core factories in Jianhu (Yancheng) and Tongxiang (Jiaxing), China, covering an area of approximately 100,000 m².

At full capacity, they are expected to produce 100,000 units annually, providing strong support for the global service robotics market.

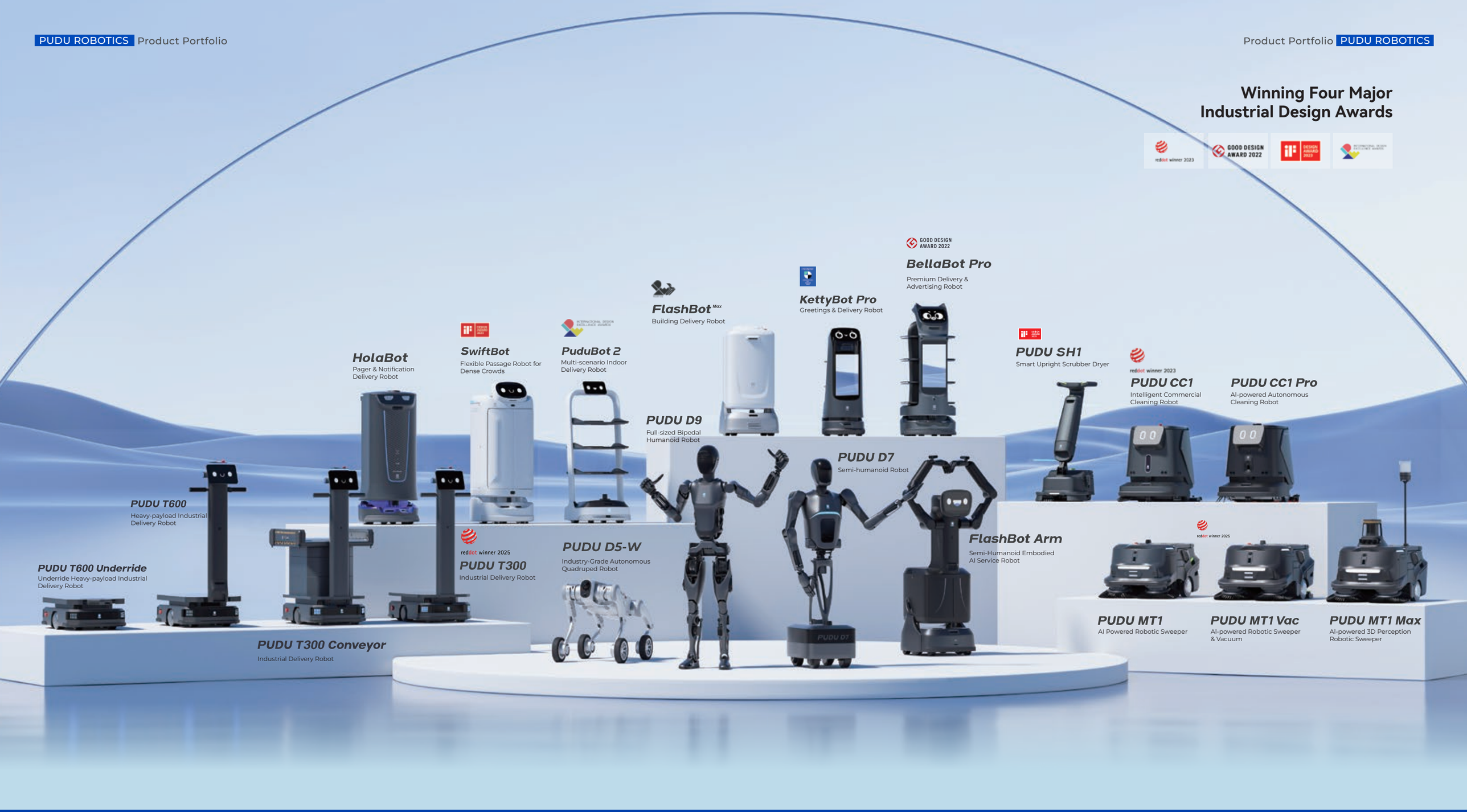
Global Patents and Trademarks

Pudu Robotics holds **1,806 global patents,** including pending applications. Additionally, we have **1,348 global trademark** registrations spanning **over 50 countries and regions.**

Global Certifications

* Relevant statistics as of Jan 2026

Winning Four Major Industrial Design Awards



Revolutionizing Ten Major Industries with Smart Robotic Solutions

- Food & Beverage
- Hospitality
- Retail
- Industrial
- Health Care
- Real Estate & Property Services
- Transportation and Related Service
- Education
- Entertainment & Sport
- Public Service





























Commercial Delivery Robots

Enhancing delivery efficiency and brand promotion through reliable robotic solutions.

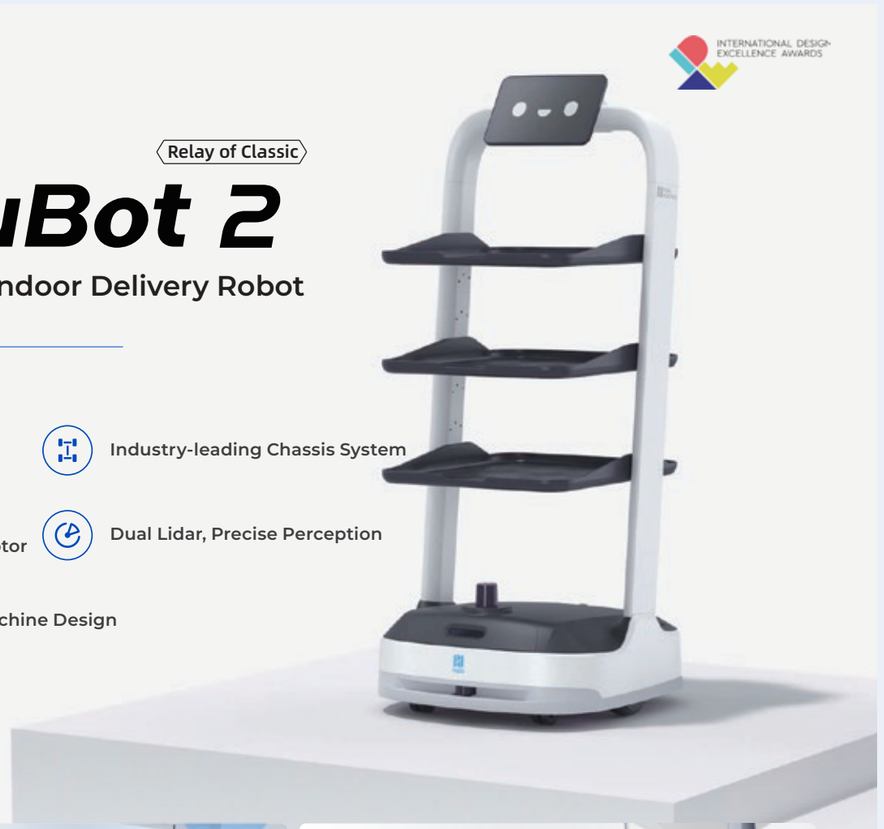
INTERNATIONAL DESIGN EXCELLENCE AWARDS

Relay of Classic

PuduBot 2

Multi-scenario Indoor Delivery Robot

- PUDU VSLAM+
- Industry-leading Chassis System
- PUDU-developed Servo In-wheel Motor
- Dual Lidar, Precise Perception
- Fully Enclosed Machine Design



PUDU VSLAM+

New Generation of PUDU VSLAM Technology

Marker-less technology reducing 75% deployment time
Capable of operating in high-ceiling environments up to 30m



Industry-leading Chassis System

Better Stability and Performance

Adapt to various road surfaces, 30% improvement in moving stability



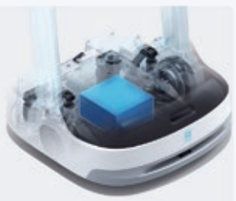
PUDU-developed Servo In-wheel Motor

33% increasement in load capacity
16% improvement in energy utilization



High Performance Li-ion Battery

Operates up to 24h on a 4h charge
Enhanced safety and reliability



Calling and Notification Autonomous and Flexible

Support Pudu Watch, Pudu Pager, and Pudu Link, allowing one-click task assignment and management



Accessories



Fixed Cup Holder



4G Watch



Protection Case



Charging Station


GOOD DESIGN AWARD 2022
BellaBot Pro
BellaBot
BellaBot Pro
Premium Delivery & Advertising Robot
Versatile in Delivery, Reception, and Marketing
AI Voice Interaction
Smart Tray Detection
Upgraded
PUDU VSLAM+
65 cm (25.6 in) Superior Mobility
Mobile Marketing Ambassador
Mobile advertising screens, sized at 18.5 inches, with customizable content, including images and videos, offer comprehensive coverage for effective promotion, reaching a broader audience.
AI Voice Interaction
Powered by advanced AI, BellaBot Pro has smarter voice communication capabilities: greeting guests, explain and compare products, and guiding customers effortlessly.
Aesthetic Design
Bellabot Pro, a service robot inspired by cats, features a unique cat ear design language that adds fun and friendliness.
65cm（25.6 in） Agility -
Effortless Maneuvering in the Tightest Spaces
Delivering the smoothest mobility capability within the same size as large delivery robots, it effortlessly navigates complex restaurant environments.
Accessories
Fixed Cup Holder
Protection Case
4G Watch
PUDU Pager
Turnstiles/Automatic doors Control Components


KettyBot Pro
Greetings & Delivery Robot
52 cm (20.5 in) Superior Mobility
Versatile in Delivery, Reception, and Marketing
Smart Trays Detection
Customer Attraction
Extended Battery Life
KettyBot


Smart Tray Detection
KettyBot Pro, with 360° fisheye lenses and smart tray detection, autonomously detects the load status to improve delivery efficiency and customer satisfaction.
Customized Advertisement
The PUDU Business Management Platform allows for customized content on the 18.5" screen, including easy generation of an Ad playlist with personalized frequency and sequence.
18.5"
Search & Guide
By searching words or clicking pictures, customers may look for the items or the store location they need, then KettyBot will guide the customers to pick up points or locations.
Two Forms for Greater Versatility
KettyBot features two forms enabled by the removable trays and rear cover. Our customers may select the form of the robot based on needs.
Automatic Navigation Planning
Laser & visual dual navigation solution helps to detect obstacles more accurately, making the robot safer.
Accessories
Charging Station
Protection Case
Display Stand
Retractable Tray Baffle
Fixed Cup Holder
Rear Cover

HolaBot

Pager & Notification Delivery Robot

- Pager & Notifications
- Sound Tracking
- 60 kg (132.3 lbs) Loading Capacity
- 120 L (31.7 US gal) Extra-Large Compartment
- IPX5 Waterproof Inner Cabin



Ultra-large Capacity

60 kg (132.3 lbs) carrying capacity, volume of 120 L (31.7 US gal), 4 large-capacity trays , giving restaurants a much better turnover.



60 kg (132.3 lbs)
Load Capacity

120 L (31.7 US gal)
Ultra-large Compartment

IPX5 Waterproof Inner Cabin

IPX5 waterproof inner cabin can effectively resist various liquid splashes in the working environment and keep the machine body clean.



Air Motion

No need to touch the buttons, making it efficient and contactless.



Pager Function

Pudu HolaBot comes with pager function , allowing you to call and assign tasks to the robot at any time.



Accessories


4G Watch


PUDU Pager


Turnstiles/Automatic doors Control Components

FlashBot Max

Building Delivery Robot

- Cloud & Hardware Solutions for Elevator Control
- VSLAM+ Semi-outdoor Delivery
- Multiple Compartment Access Verifications
- Full-Scope IoT Integration
- Rapid Multi-floor Deployment
- Modular Adjustable Compartments



VSLAM+ Semi-outdoor Delivery

PUDU VSLAM+ is designed for semi-outdoor hotels, enabling seamless delivery across indoor spaces and open areas such as gardens, gyms, and poolside.



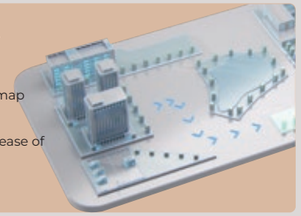
Autonomous Elevato Control

Dual Options for Elevator Control: Cloud and Hardware. Seamless elevator management experience enhances operational efficiency.



Rapid Multi-floor Deployment

Supports rapid multi-floor map replication, enabling quick mapping and enhancing deployment efficiency and ease of operation.



Multiple Compartment Access Verifications

Supports password verification, phone number verification, and NFC sensing for compartment access



Modular Adjustable Compartments



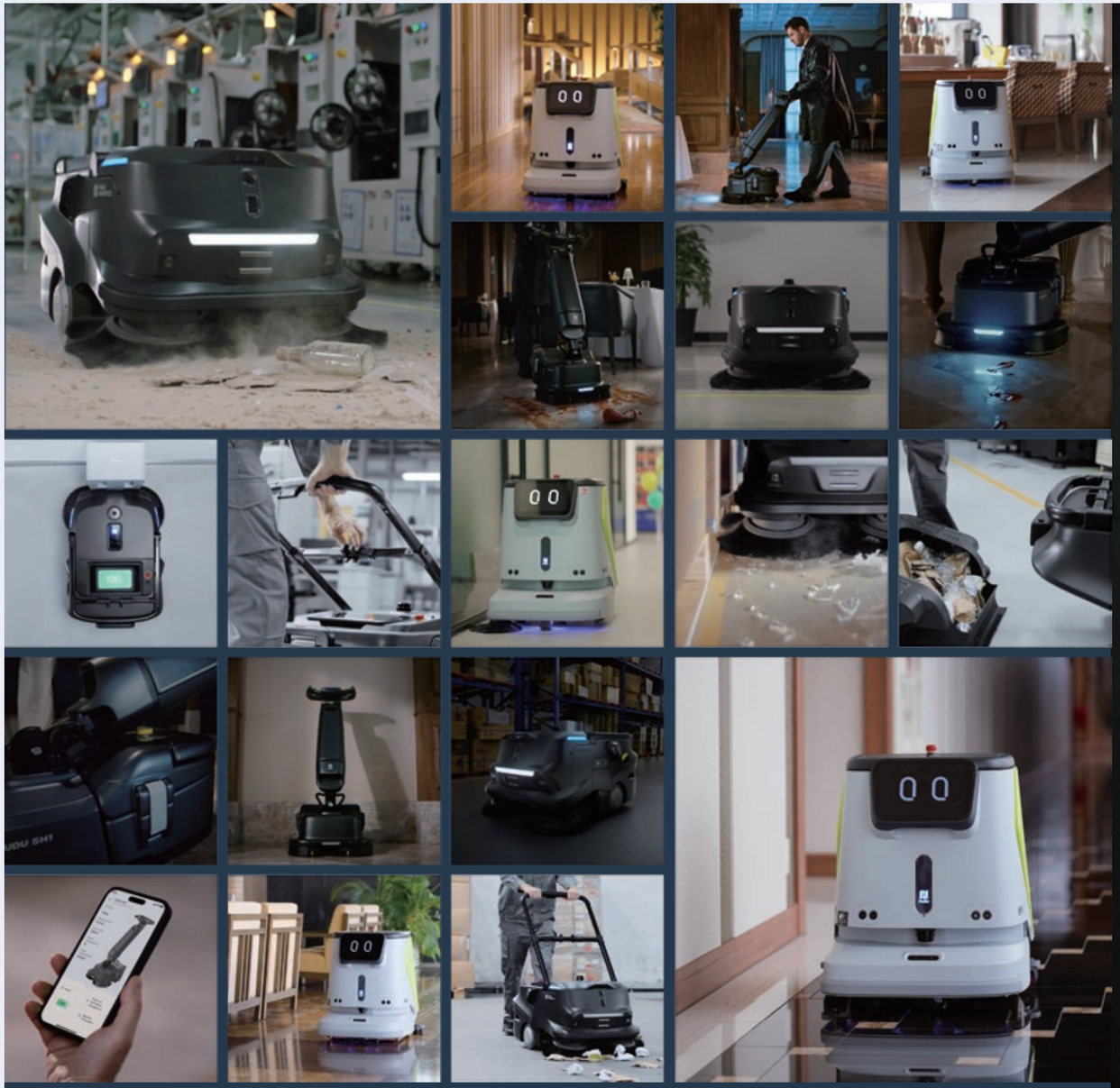
Accessories


Charging Station


4G Watch


PUDU Pager


Turnstiles/Automatic doors Control Components



Commercial Cleaning Robots

Ensuring thorough and consistent cleanliness with intelligent automation and transparent performance results.

reddot winner 2023

PUDU CC1

Intelligent Commercial Cleaning Robot

- Versatile Cleaning
- Auto Power Charging & Auto Water Addition and Drainage
- Diversified Consumables
- Mobile Water Tank No Plumbing Modification
- Dynamic Space Perception



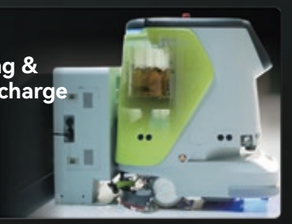
Versatile Cleaning

Four-in-one cleaning robot



Auto Power Charging & Water Refill and Discharge

No manual intervention worry-free and labor-saving



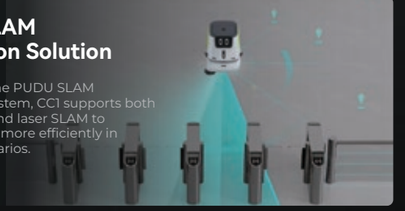
Dynamic Space Perception

Ideal for environments that frequently change, with the ability to perform real-time route planning and intelligent touch-ups based on the current surroundings.



PUDU SLAM Navigation Solution

Powered by the PUDU SLAM positioning system, CC1 supports both visual SLAM and laser SLAM to perform tasks more efficiently in complex scenarios.



Measurable Cleaning

Cleaning results are clearly visible in the automatically generated reports.



Accessories



PUDU Mobile Water Station | Compatible products | Charging Station | Docking Station

PUDU CC1 Pro

AI-Powered Autonomous Cleaning Robot

- AI Spot Scrubbing
- AI Real-Time Cleaning Performance Detection
- AI Cleaning Intensity Control
- AI Components Self-Monitoring
- 4-in-1 Versatile Cleaning
- VSLAM+ Positioning
- AI-driven Perception
- IEC 63327 Certification



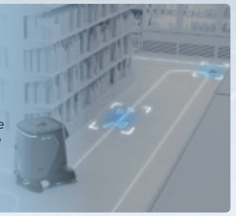
PUDU VSLAM+

Unlimited by Space, Unmatched in Cleanliness: Powered by a fusion of VSLAM and LiDAR, the robot navigates complex environments with high accuracy—no QR codes required.



AI Spot Scrubbing

Combining AI vision recognition with dynamic path planning, the system detects common wet stains—like coffee spills, sauces, and puddles—in real time during inspections and instantly generates optimal cleaning routes.



AI Real-Time Cleaning Performance Detection

CC1 Pro features the world's first rear AI camera to monitor cleaning performance in real time.



AI Components Self-Monitoring

CC1 Pro's rear AI system monitors cleaning components in real time, detects maintenance-related issues that cause secondary contamination, and triggers automatic marking, touch-up cleaning, or self-cleaning.



AI Cleaning Intensity Control Adaptive Strategy for Optimal Cleaning

Stubborn Stains Detection

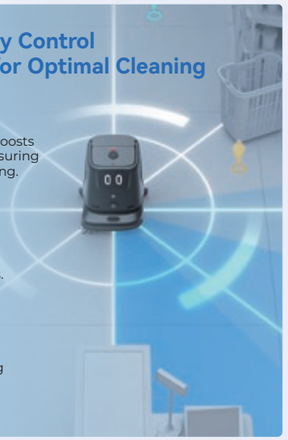
Detects stubborn stains and boosts cleaning power as needed, ensuring deeper, more thorough cleaning.

Floor Cleanliness Monitoring

Detects cleanliness levels and automatically switches modes.

Floor Type Detection

Automatically adjusts cleaning modes based on floor type.



PUDU MT1

AI Powered Robotic Sweeper

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- No Debris Too Big or Small
- AI Trash Recognition
- AI Spot Cleaning
- User-Friendly Design
- 24/7 Continuous Operation
- Rapid Adaptation to Changing Environments

Designed for Big Venues

It's designed to tackle areas up to 100,000 square meters with professional-grade dry cleaning.

No Debris Too Big or Small

35L Trashbin Capability
70cm Practical Cleaning Width

The dual-disc brushes easily handle larger debris like leaves and bottles, while efficiently sweeping up fine dust and dirt to ensure no small particles are left behind.

Multi-sense Safety

With three-dimensional depth perception and multi-sensor fusion for navigation and obstacle avoidance, the MT1 navigates complex spaces with ease.

AI Trash Recognition

The PUDU MT1 is equipped with AI cameras that can recognize and identify various types of trash in real-time, continually learning and evolving through deep learning and database updates.

AI Spot Cleaning

5x Efficiency Increase
Targeted and Precise: the PUDU MT1 features an ultra-wide scanning field of view, effortlessly covering large areas. During the routine patrols, it accurately detects and efficiently cleans up waste, making cleaning smarter and more convenient.

Proactive Dust Control

Utilizes high-flow negative pressure ventilation and an efficient filter to trap particles in the debris box, effectively preventing secondary pollution.

PUDU MT1 Vac

AI-powered Robotic Sweeper & Vacuum

- Powerful Suction
- High Efficiency
- Extended Run-time
- AI-driven Adaptive Cleaning
- Quick-Release Dust Mop Module
- Hand-vacuum Extension



Double Efficiency

Dual-fan deep vacuuming: Equipped with a new dual independent air duct system, boosting suction efficiency by 200%.

For Both Carpet and Hard Floors

AI-powered floors recognition identifies carpet and hard floors in real time, automatically adjusting suction and brush speed to protect delicate surfaces.

24/7 Continuous Operation

With a large battery, fast-charging system, and charging station, the MT1 Vac supports 24/7 operation.

Easy Maintenance, Tool-Free Swaps

Quick-release modular design allows tool-free replacement of most cleaning components in seconds. The dust mop can be removed and deployed flexibly to suit different cleaning needs.

Dust and Waste Separation

6L trash bin + 14L dust bags:

The large-capacity system handles large-area cleaning in a single run, significantly reducing the need for frequent emptying.

Hand-vacuum Extension

Hand-vacuum extension allows cleaning of sofa sides, walls, and glass surfaces. Flexible reach for edges, high surfaces, and soft furnishings.

PUDU MT1 Max

AI-powered 3D Perception Robotic Sweeper

- 3D Perception Integration
- Magic Cleaning
- 24/7 Continuous Operation
- AI Adaptive Cleaning
- Empty the Facility of Any Dirt & Trash
- Smart Obstacle Avoidance Upgrade
- Intelligent Active Interaction
- Covers Up to 100,000㎡



Intelligent Active Interaction

With both structural protection and smart response systems, the MT1 Max can actively perceive and adapt to its surroundings.



3D Perception Enhancement

Equipped with a 3D perception system (3D LiDAR + multi-sensor fusion), MT1 Max maps environments accurately, detects obstacles in real time, and navigates efficiently even in high ceilings, nighttime, or heavy interference, ensuring reliable performance in complex cleaning tasks.

No Debris Too Big or Small

Empty the facility of any dirt & trash

70cm Cleaning width
0cm Edge Cleaning
35L Cleaning width

Magic Cleaning

MT1 Max's dual-chip design with hardware–software synergy powers adaptive cleaning, trash recognition, spot cleaning, and more.

AI Adaptive Cleaning Strategy

Adaptive cleaning slows brushes rotation for light debris to prevent scattering, speeds them up for heavier waste, and adjusts body angle to guide debris into the dual-brush gap for effective pickup.

Smart Obstacle Avoidance

MT1 Max features multiple avoidance strategies, proactively yielding to vehicles. Pedestrian and Animal Avoidance: Quickly reacts to sudden “pop-out” movements.

PUDU SH1

Smart Upright Scrubber Dryer

- Expert in heavy-duty cleaning
- Air-liquid-debris Separation
- Multi-dimensional Cleaning
- Real-time Components Monitoring
- Measurable Cleaning



Leave no mess behind

27kg Brush Pressure

350rpm Brush Speed

Compared to a conventional mop, SH1 saves 80% on water and cleaning agent usage and reduces cleaning time by 70%.

Air-Liquid-Debris Separation

The PUDU SH1 features a first-to-market wastewater tank with an air-solid-liquid separation system, effortlessly separating gases, liquids, and solid particles, facilitating a smooth disposal process for both wet and dry refuse, and eliminating the risk of drain blockages.

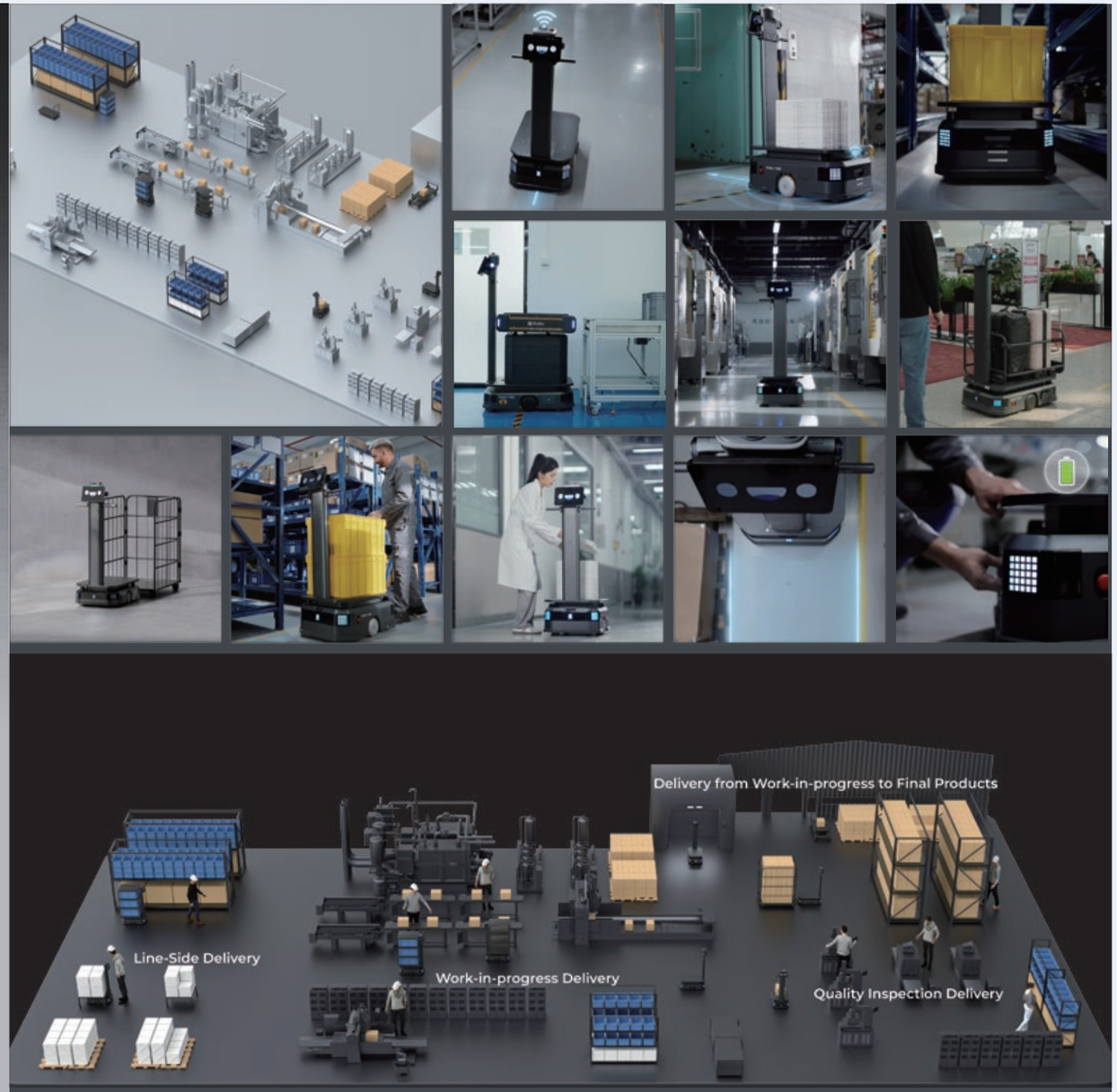
Touch Screen Interface

Featuring a 4.2-inch touch screen, enhanced with visual and audio cues for an innovative interactive experience.



Multi-dimensional Cleaning

Equipped with innovative accessories, the PUDU SH1 excels at cleaning vertical surfaces, effectively removing grime from glass display cases, tiled walls, mirrors, and windows with ease and precision.



Industrial Delivery Robot

Boosting industrial workflow efficiency and ensuring accurate deliveries with durable, high-performance automated technology.

PUDU T150

Light-payload Industrial Delivery Robot

- Operational Within One Hour of Unboxing
- Stable Operation with Reliable Navigation
- One-piece die-cast construction using aerospace-grade materials
- Simple, Intuitive Operation with Zero Learning Curve
- Built for Complex Environments
- 24/7 Continuous Operation

Operational in One Hour

Deployment completes within hours with no site changes or server setup—delivering same-day value through true plug-and-play automation.



Stable Operation with Reliable Navigation

VSLAM with dual LiDAR enables precise, real-time localization, while 360° omnidirectional sensing ensures stable operation in complex industrial environments.



One-piece die-cast construction using aerospace-grade materials

Built with one-piece construction and aerospace-grade materials, it delivers long-term durability with a service life of up to five years, reducing maintenance costs.



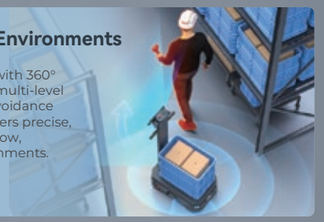
Simple and Intuitive Operation

The tablet-like touchscreen enables intuitive control and parameter adjustment. Powered by PUDU's proprietary system, it requires no training and supports multiple control options to streamline operations and boost efficiency.



Built for Complex Environments

By fusing RGBD cameras with 360° dual LiDAR and AI-driven multi-level navigation and obstacle avoidance algorithms, the robot delivers precise, smooth movement in narrow, cluttered industrial environments.



24/7 Continuous Operation

Supports battery swapping, automatic charging, and wired charging for 24/7 continuous operation, ensuring high uptime, faster ROI, and uninterrupted material flow.



PUDU T300

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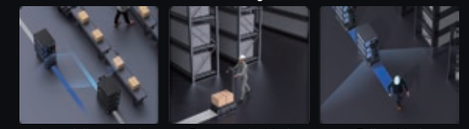
Industrial Delivery Robot

- 300 kg (661 lbs) Load Capacity
- Flexible VSLAM+ Deployment
- 60 cm (23.6 in) Superior Mobility
- Diversified Attachments
- 7/24 Non-stop Operation

PUDU VSLAM+

This allows the PUDU T300 to quickly adapt to changes in production layouts without the need for time-consuming reconfiguration or facility remodeling.

Auto & Semi-auto Delivery Modes



Auto-delivery Mode | Power-assist Mode | Follow Mode

24/7 Non-stop Operations

Equipped with three charging options—wired Charging, auto Recharging, fast battery swapping—to ensure uninterrupted operation and meet round-the-clock operational demands.



Outstanding IoT Compatibilities

There is no need to perform cumbersome system opening actions, and it can be modularly connected to the production process and applied efficiently.



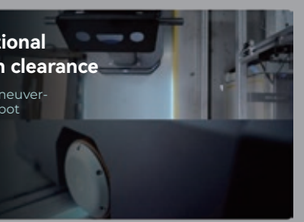
Versatile Application Series



PUDU T300 Conveyor | PUDU T300 Tray | PUDU T300 Lifting | PUDU T300 Towing

Boasting an exceptional 60cm (23.6 in) path clearance

The T300 ensures agile maneuverability in narrow human-robot cohabited spaces



PUDU T600 Series

Heavy-payload Industrial Delivery Robot

- 600 kg (1322.77lbs) Payload Capacity
- Flexible Pallet & Rack Operations
- Rack Group Recognition
- Efficient & Flexible Scheduling System
- VDA Support VDA5050 Protocol
- ISO Complies with ISO 3691-4



600 KG（1322.77lbs） Payload Capacity

With a 600 KG（1322.77lbs） payload capacity, the T600 is built for heavy-payload material transport, greatly reducing delivery frequency and improving efficiency per trip.



Supports Larger Racks and Pallet Handling

Enabling more flexible warehouse layouts, reducing multiple handling operations, and significantly improving efficiency.



Efficient & Flexible Scheduling System

A more efficient, flexible, and configurable distributed scheduling system that enables multi-device coordination, minimizes waiting and congestion, and significantly enhances overall operational efficiency.



Rack Group Recognition

Powered by advanced navigation and perception systems, the T600 series intelligently identifies target storage locations and autonomously performs pick-and-place operations.



Support VDA5050 Protocol

Compatible with the VDA5050 standard communication protocol, enabling collaborative scheduling with other compliant robots and systems.



Complies with ISO 3691-4

Industrial Safety Certification Standard



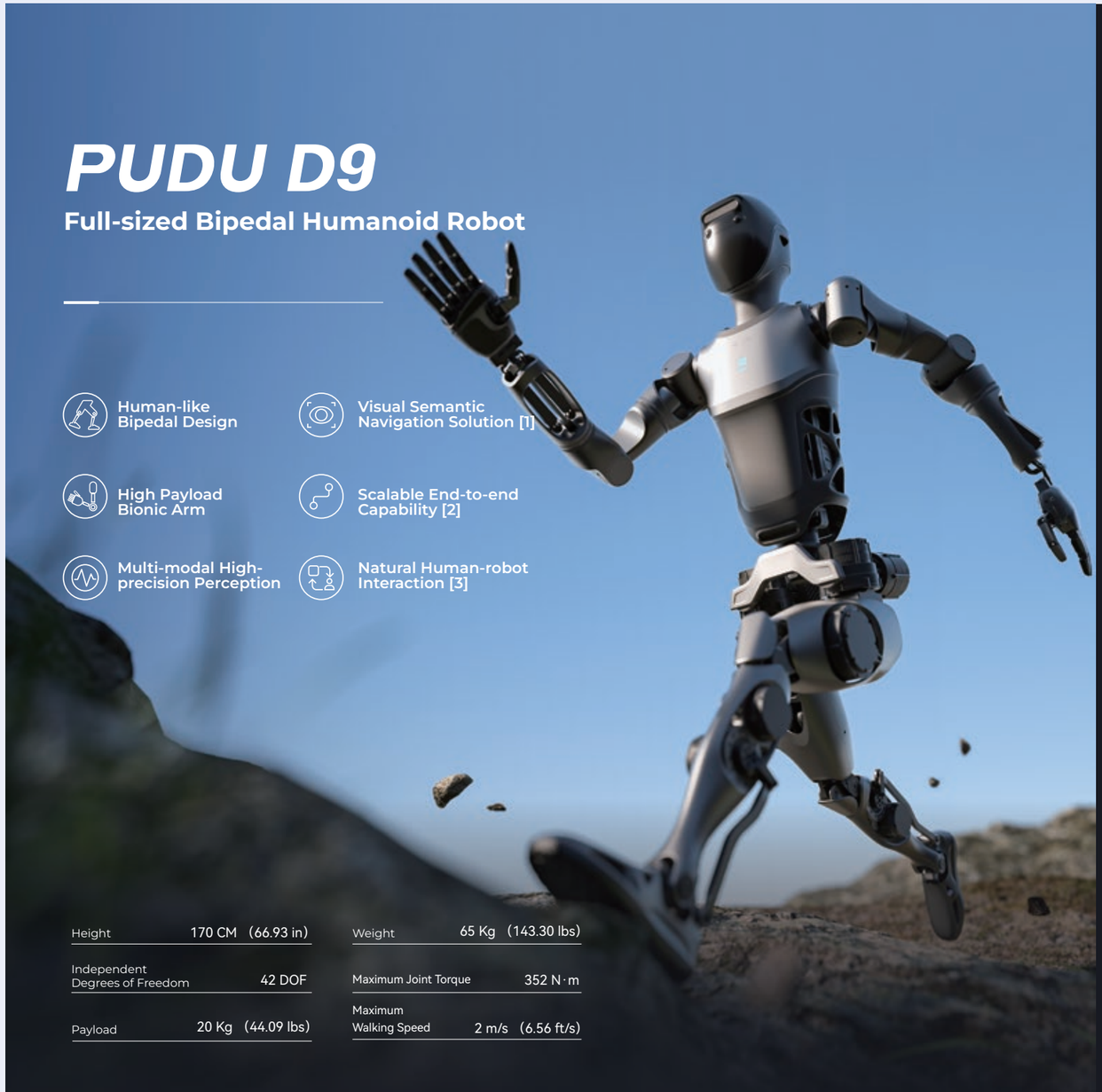


Pudu X-Lab

Exploring the future ecosystem of diverse service robots.

PUDU D9

Full-sized Bipedal Humanoid Robot



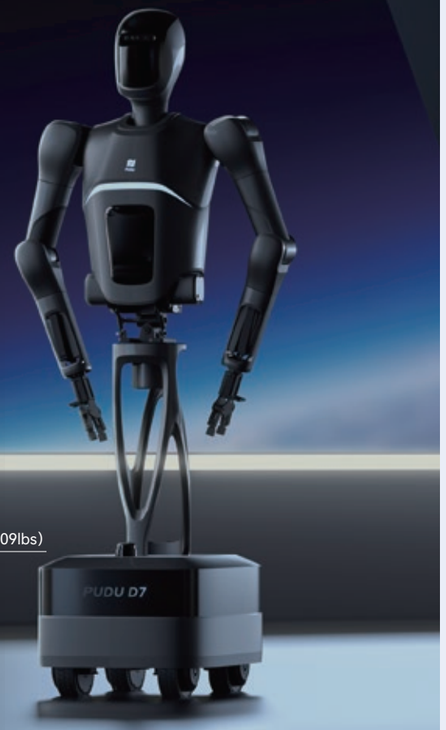
- Human-like Bipedal Design
- Visual Semantic Navigation Solution [1]
- High Payload Bionic Arm
- Scalable End-to-end Capability [2]
- Multi-modal High-precision Perception
- Natural Human-robot Interaction [3]

Height	170 CM (66.93 in)	Weight	65 Kg (143.30 lbs)
Independent Degrees of Freedom	42 DOF	Maximum Joint Torque	352 N·m
Payload	20 Kg (44.09 lbs)	Maximum Walking Speed	2 m/s (6.56 ft/s)

[1] The current sales version does not include navigation capabilities.
[2][3] The product is continuously iterated, and the specific functions are subject to the product description of the latest version.

PUDU D7

Semi-humanoid Robot



- High-Performance Computing Platform
- High-Performance Omnidirectional Chassis
- Multimodal Perception
- High-Accuracy Positioning and Navigation
- High Payload Bionic Arm
- High Degree of Freedom in Mobility
- High-Performance Hybrid Control
- Generalized Learning Operations

Height	165 CM (64 in)	Computing Power	200 TOPS	Battery Life	8 H+
Single Arm Reach	65 CM (25.59 in)	Degrees of Freedom	30 DOF	Payload	20 Kg (44.09lbs)

PUDU DH11

11-DOF 5-fingered Dexterous Hand



- Lightweight and agile, cable-driven underactuated structure
- Extensive touch coverage, 1,018 tactile sensor pixels
- Robust and durable, excellent wear resistance and tensile strength

FlashBot Arm

Semi-Humanoid Embodied AI Service Robot

- Intelligent Decision Making
- Autonomous Precision Operation
- Proactively Adapt to Scenarios
- Multimodal Natural Interaction
- Multiple Security Protections

Seamless Navigation

VSLAM+ solution supports multi-floor mapping. The robot can press elevator buttons and swipe access cards with its hands, adapting to various scenarios without modifications.





Intelligent Decision-Making

Autonomously recognize the environment, understand tasks and execute precisely.



Autonomous Operation

Maximum operating diameter of 2 meters with 7-DOF dual arms that can be lifted. Supporting more intricate operational tasks with PUDU DH11 dexterous hands.



User-Friendly Interaction

Supports multi-modal interaction including AI voice, facial expressions, and gestures, enabling seamless communication and natural reception.



Safe and Reliable

Comprehensive sensing through vision and tactile sensors, combined with compliant force control algorithms, ensures a safe interaction between humans and robots.

PUDU D5 Series

Industry-Grade Autonomous Quadruped Robot

- NVIDIA-Powered Computing Platform
- 360° Perception for Safety Assurance
- All-Terrain Mobility
- All-Weather Adaptability
- Intuitive Voice & Gesture Interaction
- Compatible with Multiple Peripherals

1. Some features are not yet available to customers. Please refer to the latest product documentation.
2. The product is continuously updated. The delivered version may differ slightly from the promotional materials. Please confirm details with your sales representative.
3. Accessories such as the inspection kit and charging dock are optional and sold separately.
4. All performance data are based on lab testing. Actual results may vary by environment.
5. PUDU D5 Series comes standard with dual high-precision 96-line LiDAR, with an optional upgrade to dual 192-line LiDAR available for enhanced perception needs.

Autonomous Navigation with 360° Perception

Dual 96-line LiDAR* and four fisheye cameras deliver full-surround sensing with centimeter-level accuracy.

The NVIDIA Orin + RK3588 platform offers 275 TOPS of computing power with efficient thermal design for stable high-load operation.



Natural Interaction with Gesture and Voice Control

Supports voice commands, gesture control, and autonomous following. A 6-mic array and 10W speaker ensure accurate response even in noisy environments.

Supports gestures such as Stand, Follow, and Crawl, enabling smooth, multimodal interaction and intelligent human-robot collaboration.



All-Terrain Mobility for Complex Environments

Easily handles 25 cm steps, 30° climbs, and 45° descents. Cruises at up to 5 m/s for fast, stable movement across urban and off-road environments.



All-Weather Durability and Extreme Resilience

D5 series supports cold-start at -10°C, operates from -20°C to 55°C, and achieves IP67 ingress protection for dependable performance in rain, snow, dust, and fluctuating climate conditions



After-Sales Service

Pudu Robotics provides a comprehensive after-sales service system, offering global reach and expert assistance for quick and dependable support.

9+ Overseas Warehouses
Localized spare parts for prompt service

600+ Global Service Centers
Ensuring swift and dependable support



Service System

Streamline your business with Pudu Robotics' advanced service system, featuring robust management tools, intelligent interaction capabilities, comprehensive IoT solutions, and personalized customization options.

PUDU Distributor Platform

For Distributors



Manage sales leads,sub-distributors, and merchant clients, analyze robot data and customize voice and expressions to help distributors better develop and serve clients.

PUDU Merchant Management Platform & PUDU Link

For Purchasing Users



Users can monitor, call, and configure voice interactions for the robot, achieving the goal of one-stop management for digital business operations and intelligent business data.

IOT Solutions


PUDU Pager


4G/Lora Watch


Elevator Control


Auto-door


Bluetooth Speaker


Table Tracker

Customized Service

android
PUDU OS



Robot SDK


Sticker


Customized Emoji


Customized Voice


Customized Software


Combined with 3rd party hardware

More Solutions Coming Soon...

Commercial Delivery Robots			
Product Name	***BellaBot Pro***	***BellaBot***	***KettyBot Pro***
Machine Dimensions	570 x 550 x 1290 mm（22.4 × 21.6 × 50.7 in）	565 × 537 × 1290 mm (22.2 × 21.1 × 50.7 in)	435x450x1120 mm（17.1 × 17.7 × 44.0 in）
Machine Weight	55 kg（121.25 lbs）	55 kg (121.25 lbs)	38 kg（83.78 lbs）
Carrying Capacity	40 kg (10 kg/tray) 88.18 lbs (22.05 lbs / tray)	40 kg (10kg/tray) 88.18 lbs (22.05 lbs/tray)	30 kg (10 kg/tray) 66.14 lbs (22.05 lbs / tray)
Tray Dimensions	410 x 500 mm（16.14 × 19.69 in）	410 × 510 mm（16.14 × 20.08 in）	352 x340 mm (13.86 × 13.39 in)
Charging Time	4.5 h	4.5 h	4 h
Run-time	11 h (none load)	13 h (none load)	11 h (none load)
Cruise Speed	0.2–1.2 m/s（0.66–3.94 ft/s）	0.2–1.2 m/s (0.66–3.94 ft/s)	0.2–1.2 m/s (0.66–3.94 ft/s)
Path Clearance	65 cm（25.59 in）	70 cm (27.56 in)	52 cm (20.47 in)
Threshold Crossing Height	10 mm（0.39 in）	10 mm (0.39 in)	5 mm (0.20 in)
Screen	10.1-inch LCD screen and 18.5-inch LCD screen	10.1-inch LCD screen	10.1-inch LCD screen and 18.5-inch LCD screen
Trays Detection	Visual detection	Infrared detection	Visual detection
Charging Methods	Wired Charging	Wired Charging	Wired Charging & Auto Recharging
Navigation Methods	LiDAR SLAM + Marker	LiDAR SLAM + Marker	LiDAR SLAM + Marker

Commercial Delivery Robots			
Product Name	***HolaBot***	***FlashBot Max***	***PuduBot 2***
Machine Dimensions	542 x 534 x 1228 mm (21.3 × 21 × 48.3 in)	538 x534 x 1052 mm (21.18 × 21.02 × 41.42 in)	580 x535 x1290 mm (22.83 × 21.06 × 50.79 in)
Machine Weight	55 kg (121.25 lbs)	60 kg (132.28 lbs)	39 kg (85.98 lbs)
Carrying Capacity	60 kg (15 kg /tray) 132.28 lbs (33.07 lbs / tray)	20 kg (44.09 lbs)	40 kg (13 kg/tray) 88.18 lbs (28.66 lbs / tray)
Tray Dimensions	390x360 mm, 120LCabin (15.35 × 14.17 in, 31.7 US gal Cabin)	187 x 410 x 280 mm(Single) 7.3 × 16.1 × 11 in (Single) 380 x 410 x 280 mm(Double) 14.9 × 16.1 × 11 in (Double)	520 x435 mm (20.47 × 17.13 in)
Charging Time	4.5 h	4 h	4 h
Run-time	10–24 h (none load)	9 h (none load)	15 h (none load)
Cruise Speed	0.2–1.2 m/s (0.66–3.94 ft/s)	0.5–1.2 m/s (1.64–3.94 ft/s)	0.2–1.2 m/s (0.66–3.94 ft/s)
Path Clearance	70 cm (27.56 in)	60 cm (23.62 in)	80 cm (31.50 in)
Threshold Crossing Height	7 mm (0.28 in)	20 mm (0.79 in)	10 mm (0.39 in)
Charging Methods	Wired Charging	Wired Charging & Auto Recharging	Wired Charging & Auto Recharging
Navigation Methods	LiDAR SLAM + Marker	VSLAM+Lidar SLAM	LiDAR SLAM + Marker + VSLAM

Commercial Cleaning Robots				
Product Name	***PUDU CC1***	***PUDU CC1 Pro***	***PUDU SH1***	
Machine Dimensions	629 x 552 x 695 mm (24.7 × 21.7 × 27.3 in)	629 x 552 x 695 mm (24.7 × 21.7 × 27.3 in)	490 x 530 x 1200 mm (19.3 x 20.9 x 47.3 in)	
Machine Weight	75 kg (165.3 lbs)	75 kg (165.3 lbs)	27 kg (59.5 lbs)	
Cleaning Performance	700 - 1000 m²/h （7534.74-10763.92 ft²/h）	700 - 1000 m²/h （7534.74-10763.92 ft²/h）	1100-1600 m²/h (11840-17222 ft²/h)	
Cleaning Width	Sweeping 500 mm（19.69 in） Mopping 380 mm（14.96 in）	Sweeping 500 mm（19.69 in） Mopping 380 mm（14.96 in）	440 mm (17.3 in)	
Charging Time	< 3 h	< 3 h	2.5 h	
Water Tank/ Trash-bin Capacity	Solution Tank Capacity 15 L（3.96 gal） Recovery Tank Capacity 15 L（3.96 gal）	Solution Tank Capacity 15 L（3.96 gal） Recovery Tank Capacity 15 L（3.96 gal）	Solution Tank Capacity 4 L（0.87 gal） Recovery Tank Capacity 4 L（0.87 gal）	
Run-time	5 h - 9 h (differentiated by cleaning levels)	5 h - 9 h (differentiated by cleaning levels)	Standard Mode : 70min ECO mode : 100 min	
Cruise Speed	0.2 - 1.2 m/s（0.66-3.94 ft/s）	0.2 - 1.2 m/s（0.66-3.94 ft/s）	Down Pressure	27 kg（59.5 lbs）
Path Clearance	70 cm （27.56 in）	70 cm （27.56 in）	Brush Speed	350 rpm
Navigation Methods	LiDAR SLAM + Marker	LiDAR SLAM + Marker + VSLAM	Suction Power	20 kPa
Charging Methods	Wired Charging & Auto Recharging		Squeegee Width	49 cm(19.2 in)

Commercial Cleaning Robots			
Product Name	***PUDU MT1***	***PUDU MT1 Vac***	***PUDU MT1 Max***
Machine Dimensions	840 x 600 x 490 mm (33 x 23.6 x 19.3 in)	840 x 600 x 490 mm (33 x 23.6 x 19.3 in)	840 x 600 x 675 mm(33 x 23.6 x 26.6 in)
Machine Weight	65 kg (143 lbs)	75 kg (165.35 lbs)	85 kg (187.39 lbs)
Cleaning Capability	Sweeping	Sweeping, Vacuuming, Dust Mopping	Sweeping
Cleaning Efficiency	Max. 1800m²/h (19375 ft²/h)	Max.1400 m²/h (15,069.47 ft²/h)	Max. 2200m²/h (23680.6 ft²/h)
Charging Time	About 3 h	< 3.5 h	< 3.5 h
Run-time	4 ~ 8 h	3 ~ 6.5 h(standard sweep and vacuum mode on hard floors: 4 h)	5 ~ 10 h
Trash-bin Capacity	35 L (9.25 US gal)	6 L (0.21 ft³)	35 L (9.25 US gal)
Dustbin Capacity	/	14 L (7 L*2) [0.494 ft³ (0.247 ft³*2)]	/
Battery Capacity	45 Ah	60 Ah	60 Ah
Navigation	LiDAR SLAM + Marker + VSLAM	LiDAR SLAM + Marker + VSLAM	3D LiDAR SLAM + VSLAM + Marker
Sensors	LiDAR ×1, VSLAM Cam ×1, RGBD ×3, RGB ×2, Line Laser ×3	LiDAR ×1, VSLAM Cam ×1, RGBD ×3, RGB ×2, Line Laser ×3	3DLiDAR ×1, VSLAM Cam ×1, RGBD ×3, RGB ×2, Line Laser ×3

Industrial Delivery Robot	PUDU T150	
Product Name	 T150 Standard	 T150 Lifting
Machine Dimensions	835 × 500 × 1350 mm (32.8 in × 19.7 in × 53.1 in)	
Machine Weight	65 kg（143.4 lbs）	81 kg（178.57 lbs）
Maximum Payload	150 kg（330.7 lbs）	
Battery Capacity	30 AH	
Charging Time	2h（0%-90%）	
Operating Time	12h (no-load)	
Maximum Operating Speed	0.2~1.2 m/s （0.66~3.94 ft/s）	
Navigation Method	VSLAM+LiDAR	
Minimum Passable Width	60 cm (23.6 in)	
Step-Climbing Capability	20 mm (0.79 in)	
Gap-Crossing Capability	35 mm (1.38 in)	
Operating Environment	0 ℃~ 40 ℃ (32°F ~ 104°F)	

Industrial Delivery Robot	PUDU T300			
Product Name	 Standard Version	 Tray Version	 Lifting Version	 Towing Version
Machine Dimensions	835×500×1350 mm（32.87×19.69×53.15 in）			
Machine Weight	65 kg（143.30 lbs）	103 kg（227.08 lbs）	81 kg（178.57 lbs）	90kg（198.42 lbs）
Loading Capacity	300 kg（661.39 lbs）			400 kg (881.85 lbs) 200 kg (440.92 lbs) Counterweight
Cruise Speed	0.2-1.2 m/s（0.66-3.94 ft/s）			0.2-0.8 m/s（0.66-2.62 ft/s）
Threshold Overcoming Height	20 mm（0.79 in）			5 mm（0.20 in）
Path Cleanrance	60 cm（23.62 in）			Determined by load size
Groove Crossing Width	35 mm（1.38 in）			
Battery Capacity	30 AH			
Charging Time	2h (0% to 90%)			
Run-time	12h (none load)			
Navigation Methods	LiDAR SLAM+ Marker + VSLAM			
Charging Methods	Wired Charging & Auto Recharging & Fast battery swapping			

Industrial Delivery Robot	PUDU T300 Conveyor	
Product Name	 Single Layer	 Double Layer
Machine Dimensions	Front/Rear: 835×665×1350 mm（32.87×26.18×53.15 in） Left/Right: 835×650×1350 mm（32.87×25.59×53.15 in）	
Machine Weight	120 kg（264.55 lbs）	180 kg（396.83 lbs）
Path Clearance	75 cm（29.53 in）	
Max. Speed	1.2 m/s（3.94 ft/s）	
Docking Accuracy	±10 mm（±0.39 in），±1°	
Run-time(None load)	12 h	10 h
Run-time(Full load)	10 h	8 h
Charging Time	2 h（0-90%）	
Number of Layer	1	2
Rated Load per Layer	80 kg / layer（176.37 lbs / layer）	
Conveyor Depth	650 mm（25.59 in）	
Conveyor Width	120-540 mm（4.72-21.26 in）adjustable	
Conveyor Height	Ground clearance ≥ 305 mm（12.01 in）	

Industrial Delivery Robot	PUDU T600 Series	
Product Name	 PUDU T600	 PUDU T600 Underride
Machine Dimensions	960 x 500 x 1350 mm（37.80×19.69×53.15 in）	845×500×255 mm（33.27×19.69×10.04 in）
Machine Weight	112 kg（246.92 lbs）	94 kg（207.23 lbs）
Max. Load	600 kg（1322.77 lbs）	600 kg（1322.77 lbs）
Battery Capacity	30 AH	30 AH
Charging Time	2 h (from 0% to 90%)	2 h（0%-90%）
Run-time	12 h (none load)	12 h (none load)
Cruise Speed	0.2~1.2 m/s（0.66-3.94 ft/s）	0.2-1.2 m/s（0.66-3.94 ft/s）
Navigation Method	VSLAM + LiDAR SLAM	LiDAR SLAM only
Path Cleanrance	70 cm（27.56 in）	65 cm（25.59 in）
Max. Surmountable Height	10 mm（0.39 in）	10 mm（0.39 in）
Max. Surmountable Gap	35 mm（1.38 in）	35 mm（1.38 in）
Operating Environment	0°C ~ 40°C	0°C-40°C

Humanoid Robot	
Product Name	***PUDU D9***
Machine Height/Weight	170 cm（66.93 in） / 65 kg（143.30 lbs）
Leg Length Thigh	Thigh 325 mm（ 12.80 in） / Calf 383 mm（15.08 in）
Arm Length	Arm 580 mm （22.83 in） / Hand 220 mm（8.66 in）
Degrees of Freedom	Total DOF 42 / Single-leg DOF 6 / Single-arm DOF 7
Dexterous Hand（PUDU DH11）	12 tactile sensing regions / Active DOF 6 / Passive DOF 5
Max. Joint Torque	352 N・m
Max. Load	20 kg（44.09 lbs） / Single-arm 10 kg（22.05 lbs） （Test Environment）
Sensors	RGB, RGBD, Tactile sensors, IMU
Computational Power	275 TOPS
Battery Capacity	15 AH (0.72 kWh)
Speaker	Stereo

Semi-Humanoid Robot			
Product Name	***PUDU D7***	Product Name	***FlashBot Arm***
Machine Height	165 cm （64 in）	Machine Dimensions	539 x 515 x 1440 mm (21.2 x 20.2 x 56.7 in)
Machine Weight	45 kg （99.21 lbs）	Loading Capacity	15 kg （33.07 lbs）
Single Arm Reach	65 cm（25.59 in）	Charging Time	4h
Maximum Payload	20 kg （44.09 lbs）	Working Duration	8h (None load)
Run-time	8 h+	Mapping Method	VSLAM + Lidar SLAM
Movement	360-degree omnidirectional chassis	Mini. Width of Path	65 cm （25.59 in）
Max. Speed	2 m/s （6.56 ft/s）	Display Screen	10.1 inch Touch Screen
Degrees of Freedom	30	DOF of Single Arm and Hand	Arm：7 / Hand：6 Active + 5 Passive
Computing Power	200 TOPS	Max. Reach Range of Both Arms	1600 x 2000 x 1600 mm （63 x 78.7 x 63 in）

Semi-Humanoid Robot		
Product Name	***PUDU D5***	***PUDU D5-W***
Standing Dimensions	900 × 543 × 572 mm (35.4 × 21.4 × 22.5 in)	
Weight (with Battery)	61 kg (134.5 lbs)	62 kg (136.7 lbs)
Computing Platform	Nvidia Jetson Orin AGX 64G+RK3588	
Perception Sensors	Dual 3D LiDAR + Four Fisheye Cameras	
Maximum Joint Torque	165 Nm (121.7 lb·ft)	
Battery Capacity	1000 Wh	
Operating Time	2 ~ 2.5 h	2 ~ 3 h
Continuous Walking Payload	20–30 kg (44–66 lbs)	
Climbing Capability	Up to 80 cm (Up to 31.5 in)	
Maximum Step Height	30 cm (11.8 in)	25 cm (9.84 in)
Slope Capability	25° ascent, 45° descent	30° ascent, 45° descent
Operating Temperature	−20°C to 55°C (−4°F to 131°F)	
Cold-Start Capability	Below −10°C (Below 14°F)	
Ingress Protection	IP67	
Autonomous Navigation	Supported	
Autonomous Following	Supported	
Voice Interaction	Supported	