

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.



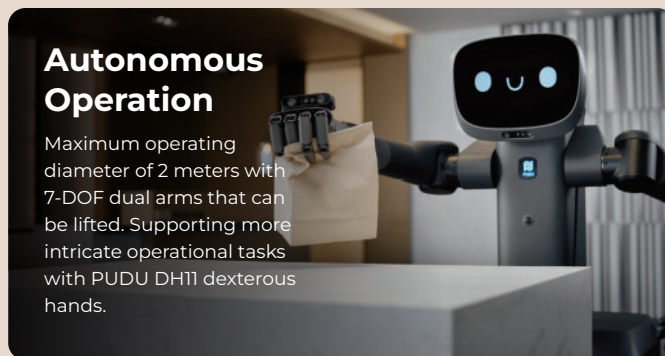
Intelligent Decision-Making

Autonomously recognize the environment, understand tasks and execute precisely.



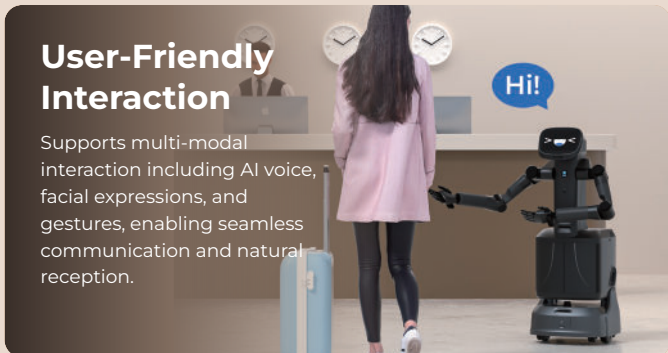
Autonomous Operation

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.



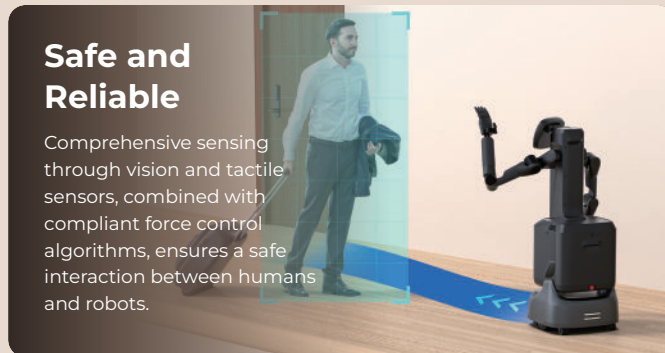
User-Friendly Interaction

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.



Machine dimensions
539 x 515 x 1440 mm

Charging Time
4h

Capacity
15 kg

Mapping Method
VSLAM + Lidar SLAM

Working Duration
8h (None load)

Display Screen
10.1 inch Touch Screen

Minimum width of path
65 cm

Maximum Reach Range of Both Arms
1600 x 2000 x 1600 mm

DOF of Single Arm
7

DOF of Dexterous Hand
6 Active + 5 Passive



🔍 Pudu Robotics

✉️ global_sales@pudutech.com

🌐 www.pudurobotics.com