

Next-Generation

PUDU D7

Semi-humanoid Intelligent Robot



High-Performance
Computing Platform



High-Performance
Omnidirectional
Chassis



High-Accuracy
Positioning and
Navigation



High Payload
Bionic Arm



High-Performance
Hybrid Control



High Degree of Freedom
in Mobility



Multimodal
Perception



Generalized Learning
Operations



Omni-source data acquisition for embodied intelligence

End-to-end integrated data collection with low-latency transmission and high-precision synchronization, enabling rapid aggregation of real-world operational data for model training.



Flexible dual-arm system for efficient warehouse handling

Total payload up to 20 kg with a working height of up to 2 meters, enabling seamless high-rack picking and transfer operations.



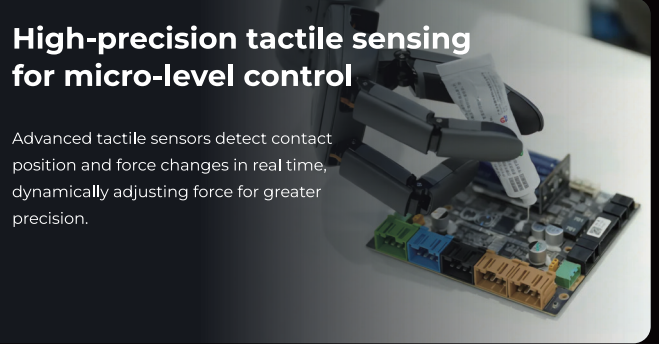
Compliant force control for safe, adaptive manipulation

High-adaptability dexterous hands and millimeter-level repeatability enable precise placement, assembly, and fine-grained manipulation tasks.



High-precision tactile sensing for micro-level control

Advanced tactile sensors detect contact position and force changes in real time, dynamically adjusting force for greater precision.



Panoramic perception for full situational awareness

Dual front-rear LiDARs and multi-sensor fusion provide 360° environmental perception, ensuring precise detection of obstacles, paths, and dynamic scene changes.



Redefining industrial aesthetics

A minimalist form softened by subtle curves, blending technological warmth with rugged strength to project a professional and reliable industrial presence.



Product Name

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Robot Height 68.9 in (175 cm)

Robot Weight 308.6 lbs (140 kg)

Single-Arm Reach 31.5+ in (80+ cm)

Maximum Payload 44.1 lbs (20 kg)

Operating Time 4+ h
(Supports in-operation charging)

Mobility Mode 360° Omni Chassis

Max Speed 6.56 ft/s (2 m/s)

DoF (Degree of Freedom)
*excluding end effectors 23

Computing Power 275 TOPS

End Effectors Standard: Gripper
Optional: 3-finger or 5-finger dexterous hand



 Pudu Robotics

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