



PUDU D5 Series

Industry-Grade Autonomous Quadruped Robot



Where Adaptive Mobility
Meets Real-World Intelligence



Two Forms. Infinite Possibilities.



PUDU D5

Point-Foot Version

Built for **complex, uneven, and high-precision operations** — from forests and mountains to metal grates, ladders, industrial corridors, and research environments.

Superior obstacle crossing, precise footing, and maximum passability in unpredictable terrain.



PUDU D5-W

Wheeled-Foot Version

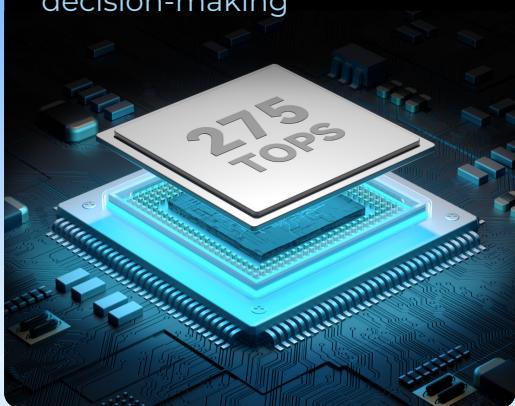
Optimized for **speed, endurance, and smooth travel across flat surfaces** — perfect for venues, campuses, factories, and long-distance delivery.

Extended battery life and ultra-stable motion for logistics and media tasks.

Autonomous Navigation with 360° Perception

Dual-Chip Powerhouse

275 TOPS computing power (NVIDIA Orin + RK3588) for instant intelligent decision-making



Dual 192-Line LiDAR

Centimeter-level accuracy for precise localization and 3D environment mapping



360° Vision Fusion

Four fisheye cameras provide complete panoramic coverage for obstacle-free navigation



Million-Square-Meter SLAM

Build and navigate massive maps seamlessly across vast facilities



All-Terrain Mobility for Complex Environments



High-torque motors and **adaptive posture control** enable stable climbing, crossing, and load-carrying across challenging indoor and outdoor environments.



Hybrid wheeled-foot drivetrain for **high-speed all-terrain mobility**

Bio-inspired obstacle system: **climbs 30° slopes, steps over 25 cm obstacles**



30 kg stable load capacity for reliable transport missions

All-Weather Durability and Extreme Resilience

Rain, Dust, Heat, or Cold — Always Mission-Ready

IP67

Full-body IP67 protection for rain, dust, and harsh outdoor conditions



-20°C~55°C

-10°C cold-start capability; operates reliably from -20°C to 55°C



Intuitive Interaction & Smart Follow

With **multimodal interaction** and **real-time human-motion recognition**, D5 delivers a natural, intuitive companion experience that truly “sees you” and “follows you right.”



AI Gesture Control
—Intuitive “point-and-go” commands for instant direction

AI Voice Interaction
—Six-mic array ensures accurate command recognition



Intelligent Vision Following
—Fuses RGB and depth perception for stable, safe, and responsive autonomous following

Expand Capabilities with Purpose-Built Add-Ons



RCOS Remote Control



Inspection Kit



Metal Delivery Crate



Charging Station





Mission-Ready Across Industries



Autonomous Inspection



Autonomous Delivery



Entertainment & Events



Education & Research

