

PUMA

Quadruped Wheeled Industrial Robot

Product Specification



Overall Parameters	
Standing Size	≤800mm×500mm×600mm
Overall Weight (with batteries)	≤40kg
Rated Payload	≥12kg
Maximum Load	≥50kg
No-load Runtime	≥3h
Rated Payload Runtime	≥2.5h
CPU	8-core 64-bit industrial-grade CPU
Motion Performance Parameters	
Extreme Test Speed	≥5m/s
Maximum Continuous Speed	≥3m/s
Maximum Continuous Step Height	≥22cm
Maximum Slope Gradient	≥45° (Varies according to surface material)
Environment Parameters	
Ingress Protection	IP66
Operating Temperature	-20℃~55℃
Battery Parameters	
Battery Capacity (Single)	4.5Ah
Charging Time (Single)	1.5h~2h
Sensor Configurations	
Laser Radar	48-Line LiDAR×2
Wide-angle Camera	×2
External Interface	
Mechanical Interface	Mounting rails on the back of the robot (Length×Width: 270mm×165mm)
Electrical Interface	Power Connector (24V) 、Power Connector (72V) 、Gigabit Ethernet Port、USB3.0 Maximum external output power supply≥300W
Software Interface	Provide up-level application development interfaces, low-level joint interfaces, and related example code, etc
Product List	
Standard: Wheeled - legged Quadruped Robot (Without battery) ×1、Battery×2、Smart Charging Manager×1、Transport Case×1、Product Manual×1、Warranty Card×1、Certificate×1、Controller×1 Optional: Autonomous Charging Post	

Product Highlights

- Medium size, balancing size and performance with flexible movement and load capacity.
- Equipped with dual LIDAR, supports positioning and map building, navigation and obstacle avoidance.
- Dual-battery quick-disconnect hot-swap, support for battery replacement during operation without downtime; support for autonomous charging, to achieve 24-hour continuous operation.
- IP66 grade protection, dustproof and waterproof design, adaptable to -20℃~55℃ environment, fearless of harsh environments, to ensure that the equipment lasts and operates reliably.
- Top-down view of the 360° point cloud of the environment, easy to select the target point with one click, lowering the threshold of remote control.