

D1 MaxPro Quadruped Robot Product Specifications

Category	Specification	Description
Basic Information	Dimensions (Standing, L×W×H)	Approx. 1230 × 530 × 730 mm
	Dimensions (Lying Down, L×W×H)	Approx. 1313 × 530 × 300 mm
	Weight (with battery)	Approx. 64 kg
	Operating Temperature	-20°C ~55°C
	Protection Rating	IP67
	Battery Module	45Ah rated capacity, 48V, Supports quick release and hot swap
	Charging Time	4.5 h (optional fast charging: 2 h)
	Endurance	5.5 h unloaded / 2.5 h fully loaded
	Range	13.5 km fully loaded
Performance Parameters	Continuous Walking Speed	1.5m/s
	Maximum Speed	3m/s
	Stable Working Payload	50kg
	Maximum Payload	100kg
	Continuous Stair-Climbing Height	30cm
	Maximum Climbing Angle	45°
Sensor Module	LiDAR	1 × front-mounted 96-line LiDAR, Coverage angle: 360° × 90° Diameter coverage up to 120 m, Accuracy: 1.5 cm
	Wide-Angle Cameras	1 front + 1 rear, industrial-grade 2 MP, DFOV: 150° , HFOV: 130° , VFOV: 73°
	IMU	Standard
Functional Features	Real-Time Image Transmission	Supported
	OTA Upgrade	Supported
	Secondary Development	Supported
	Dual-Spectrum Gimbal & Video Transmission	Integrated dual-sensor gimbal interface and video streaming service. Supports video backhaul via secondary development APIs
External Interfaces	4G Communication	Supported
	Communication Interfaces	3 × Gigabit Ethernet, 2 × USB 3.0, 1 × 100M Ethernet, serial port
	Power Interfaces	12V/ 24V/ 48V, Max output power: 720W
Accessories	Charging Interface	Supports direct battery charging
	Power Adapter	Standard
	Remote Controller with Screen	Standard
	Autonomous Charging Dock	Optional
Others	Fast-Charging Adapter	Optional
	Aviation Transport Case	Standard
	Warranty	1 year

Notes

- 1.Charging time data measured at a standard ambient temperature of 25° C.
- 2.Range data measured under a constant speed of 1.5 m/s.
- 3.For usage guidelines of functional expansion interfaces, please refer to the Expansion Manual.

- 4.For detailed warranty terms, please refer to the Product Warranty Manual.
- 5.The above parameters are laboratory test results. Actual performance may vary depending on usage environment, operating conditions, and other factors. Please refer to real-world conditions.