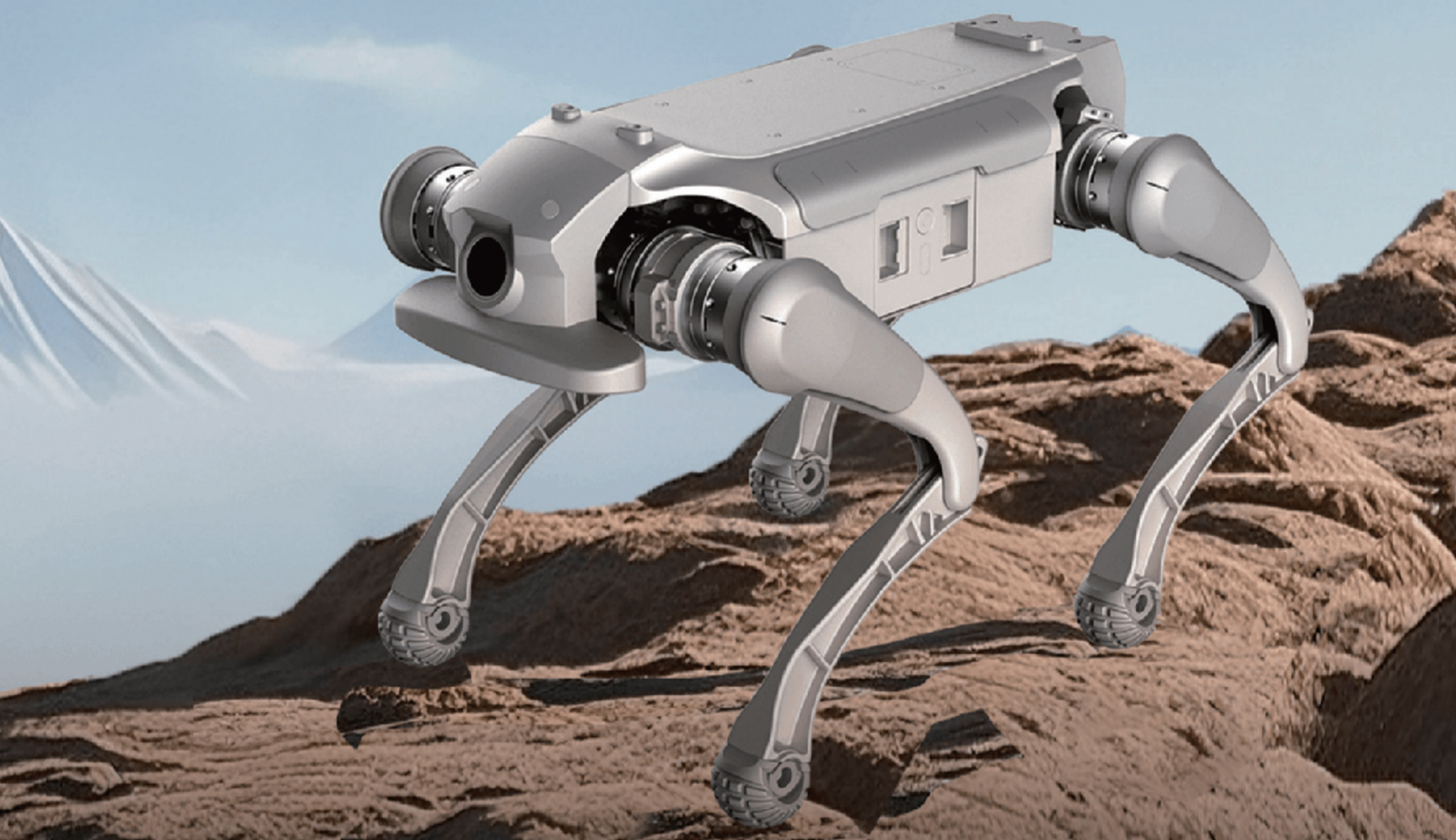
智元 AGIBOT | 智元酷拓 AGIQUAD

AGIQUAD D1 Ultra

Industry-Leading Compact Quadruped Robot



The D1 Ultra is a compact quadruped robot designed for speed, agility, and adaptability. Powered by advanced reinforcement learning algorithms, it navigates diverse terrains with ease—whether stairs, rubble, or uneven ground—delivering true all-terrain mobility. Its versatility makes it ideal for security patrols, field exploration, target tracking, academic research, as well as interactive and entertainment platforms.

KEY FEATURES

AI-Powered Intelligence

With reinforcement learning at its core, combined with advanced motion control, the D1 Ultra makes real-time intelligent decisions. It maintains balance and agility across challenging environments, from staircases to complex rubble.

Agile & Versatile Mobility

Lightweight and highly responsive, the robot moves seamlessly through varied terrains and complex environments. Perfectly suited for patrols, search missions, and multi-scenario applications.

High Power & Endurance

Built on an industry-leading drive system with a specific power of 2kW/kg, the D1 Ultra delivers exceptional output and reliable, long-endurance performance. It supports heavy payloads and extended operations while ensuring stability and reliability.

Expandable & Customizable

Designed for flexibility, the D1 Ultra supports secondary development and modular customization. Compatible with LiDAR, RGB-D cameras, and other sensors, it enables autonomous navigation, mapping, and task-specific execution—meeting the needs of multiple industries.

SPECIFICATIONS

Standing Dimensions (LxWxH)	630 mm × 360 mm × 420 mm	Continuous Stair-Climbing Height	16 cm
Lying Down Dimensions (LxWxH)	670 mm× 435 mm × 145 mm	Maximum Climbing Angle	30° standard, up to 40° maximum
Total Weight	16 kg (with battery)	Maximum Speed	3.7 m/s
Battery Module	Rated capacity: 4.6Ah, Voltage: 43.2V	Operating Temperature	0°C – 40°C
Battery Life (Operating Time)	1–2 hours	Ingress Protection Rating	IP54
Effective Payload	5 kg	Expansion Ports	Ethernet, USB, Power, SBUS, UART

Notes:The above parameters are based on laboratory test data. Actual performance may vary depending on factors such as the operating environment and usage patterns; please refer to actual results.

APPLICATION SCENARIOS

Official Website

YouTube

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