

Performance Beyond Size

GENISOM L1

World's First Ultra-Compact Industrial-Grade Quadruped Robot



All-Terrain
Mastery



All-Round
Protection



All-Weather
Ready



All-Platform
Expandable

Product Advantages

Max Speed

3.7m/s

Max Payload

8kg

Max Step Height

16cm

Max Climb Angle

40°

Evolving Intelligence for Every Terrain

Built-in AI reinforcement learning for seamless control and intelligent decisions anywhere.



Peak Torque

48N·m

Up to 60% Boost in Joint Power

Self-developed high-power modules deliver stronger, calibration-free motion.



Protection Rating

IP54

Operating Temperature

0~40°C

All-Weather Ready

360° protected body, designed for harsh outdoor conditions.



AI-Driven Perception & Tracking

HD monocular vision for intelligent target detection.

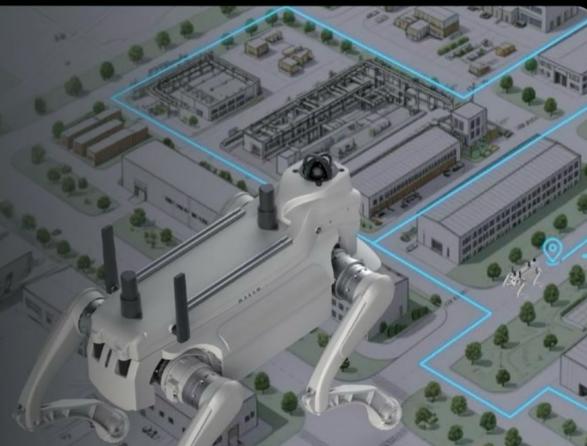


Computing Power

100TOPS

Smarter Navigation & Deployment

Perception, mapping, and planning: all in one intelligent suite.



Empowering Research & Industry

7 interfaces and full SDK for effortless development.



Technical Parameters

Standing Dimensions (L × W × H)	approx. 63×36×41.5cm	Stair Climbing Height	>16cm
Lying Dimensions (L × W × H)	approx. 67×42.5×14.5cm	Slope Capability	30° (standard), up to 40° (max)
Weight (with battery)	approx. 15kg	Max Speed	3.7m/s
Battery	5Ah, 43.2V	Operating Temperature	0°C~40°C
Battery Life	1-2h	Ingress Protection	IP54
Range	up to 6km	Interfaces	Ethernet, USB, SBUS, Power
Max Payload	~8 kg (limit ~ 10 kg)	Optional Navigation Configuration	Jetson Orin NX 16G computing module, Mid-360 LiDAR, Realsense depth camera, GNSS positioning module, and 5G communication module.

