

UNITREE B2

Go beyond the limits

Power built for the field



Built for all terrain performance

Delivers exceptional load capacity, endurance, mobility and speed.

Engineered to handle the toughest demands with ease

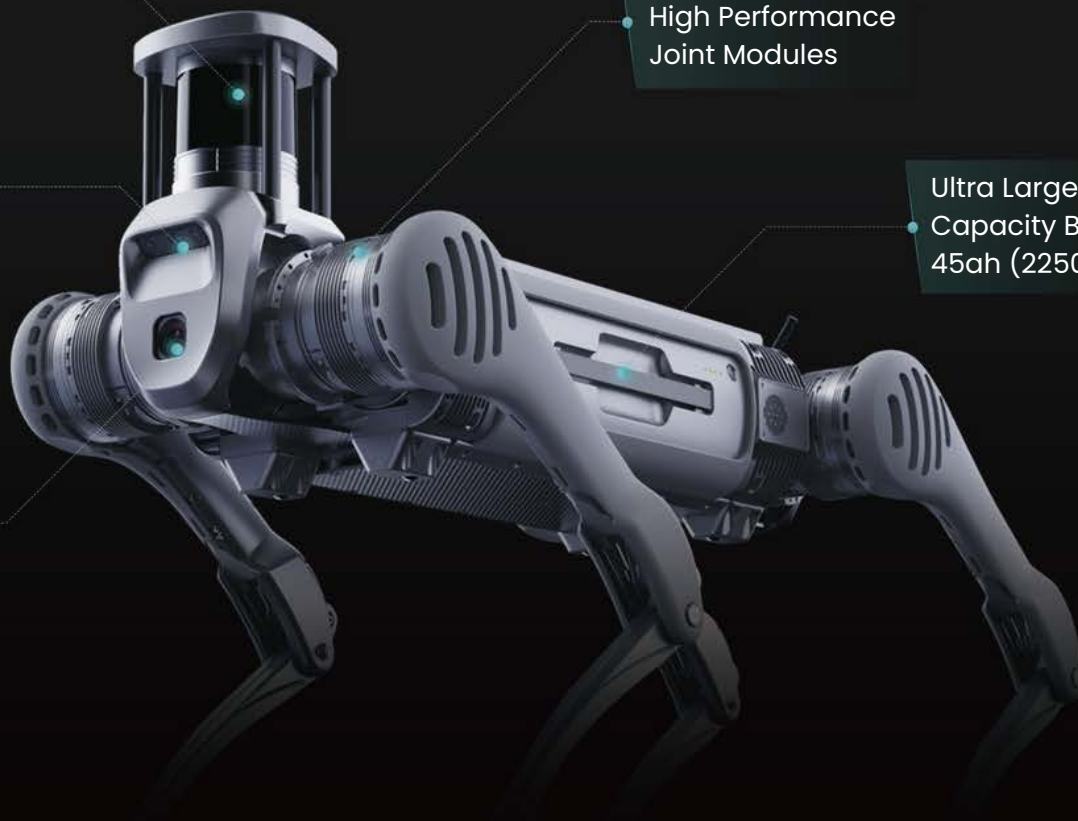
32-wire
Automotive
grade Lidar

M107
High Performance
Joint Modules

Depth
Camera

Ultra Large
Capacity Battery
45ah (2250wh)

High Resolution
Optical Camera



>6m/s [1]

Max Running Speed

About 360N.m

Max Joint Torque

>1.6m

Longest Jump Distance

Max 120kg
(standing load)

Max 40cm
(obstacle crossing)

>5h
(continuous walking without load)

>40kg
(continuous walking load)

>45°
(slope angle)

>4h
(20kg load continuous walking)

Ultra Load

Max Walking Capacity

Ultra Long Endurance

Built for critical missions

Intelligence across every sector



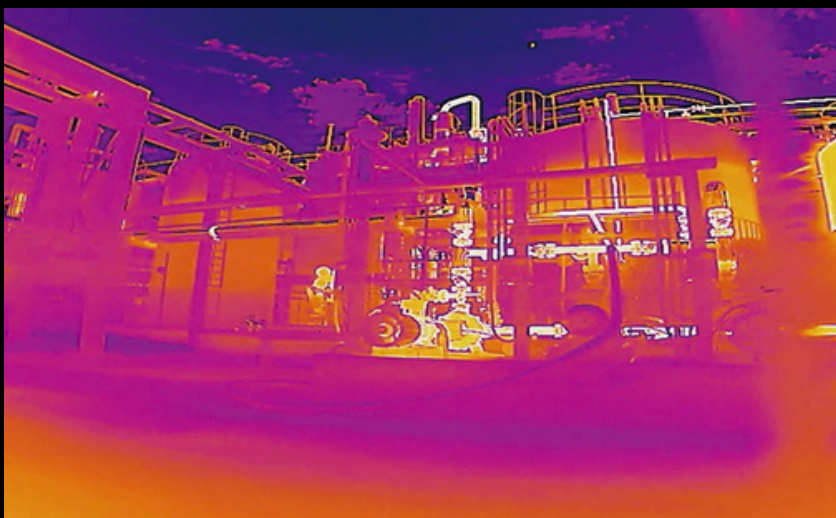
Security & Surveillance

All-terrain robots patrol and monitor sites with real-time detection and response



Emergency Response

Rapid, agile support for fire, police, and search and rescue operations



Field Inspection

Customisable inspection tools for precise environmental assessment



01

Adaptable to every environment

Stable performance across slippery, uneven, and unpredictable terrain



02

Effortless stair climbing

Handles steps and obstacles with ease



03 Built to carry more, for longer

Walks over 20 km without load, over 15 km with a 20 kg load, and sustains a maximum walking load of 40 kg

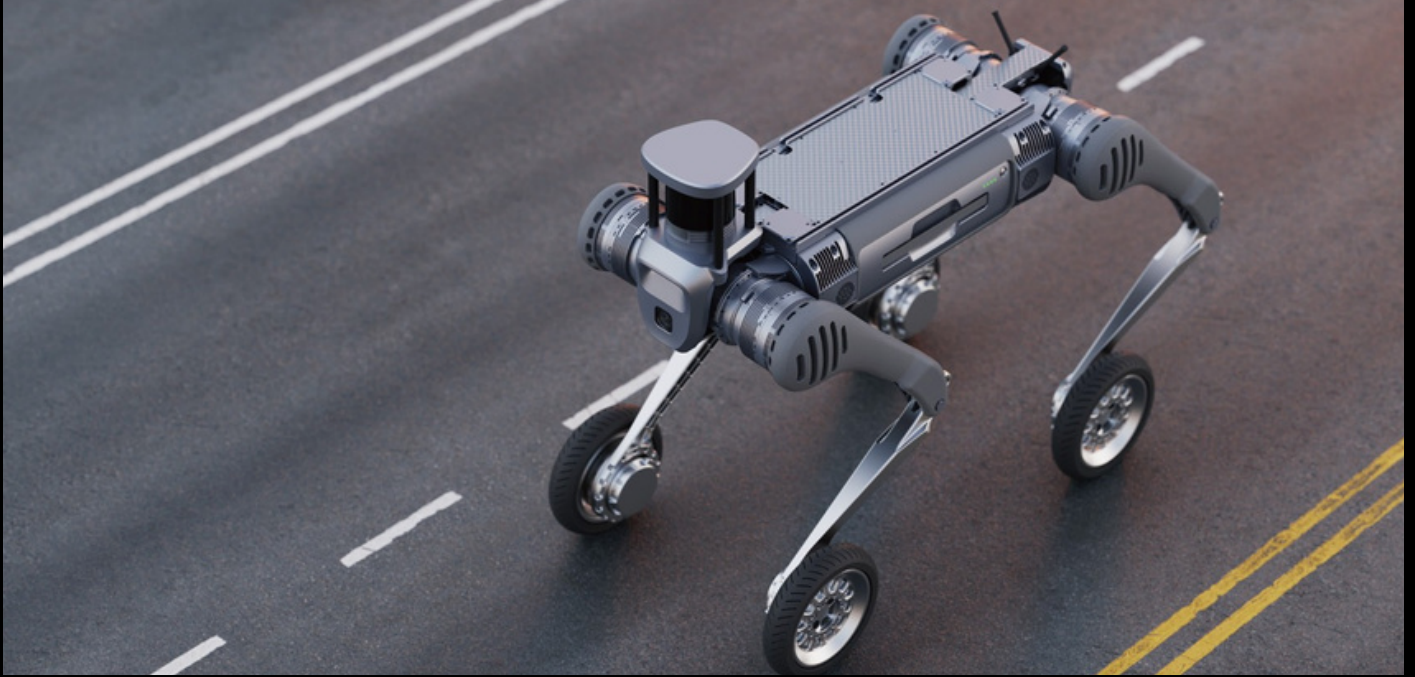


04 More power in every joint

Delivers up to 360 N·m of torque, providing the strength for confident climbing, carrying, and stability on tough terrain

Wheeled and legged options

Switch seamlessly between legged and wheeled modes (optional)



Plug-in battery and autonomous charging

Quick-swap batteries and optional autonomous charging, offering flexibility across a wide range of applications



Specifications

Dimensions (Standing)	1098mm×450mm×645mm
Dimensions (Folded)	880mm×460mm×330mm
Weight Battery	≈60kg Total weight (battery included)
Performance	Battery capacity 45Ah (2250Wh) , voltage 58V
Endurance Ability	Battery life 4-6h
	Walking without load > 5h, mileage > 20km
	Walking with 20kg load > 4h, mileage > 15km
Wheeled Foot	Optional
Load(Standing)	Max. 120kg
Load(Walking)	> 40kg
Continuous Stair Climbing	Stairs of 20~25cm
Single Obstacle Crossing	Climb up and down obstacles of 40cm in forward direction
Climbing Angle	> 45°
Operating Temperature	-20°C ~ 55°C
Running Speed	> 6m/s[1]
Ditch Jumping Width	0.5 ~ 1.2m
Max Jump Distance	> 1.6m
Ingress Protection	IP67
Control and Perception	Standard : Intel Core i5 (Platform Function), Intel Core i7 (User Development) Optional : Intel Core i7 and Jetson Orin NX (Maximum up to 3 devices)
Sensing Sensor	3D LiDAR×1+ Depth camera×2+ Optical camera×2(Varies with different configurations)
Interface	1000M-Base-Ethernet×4, USB3.0×4, 12V×4, 5V×1, 24V×4, BAT×1

*[1]: Implemented in a special configuration. Speed limits set for safety. *Certain functions require manual operation or further development, and availability may differ by configuration. *Performance parameters may vary depending on the model and scenario. Refer to actual operating conditions. More information can be found on the manufacturer website: www.unitree.com



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