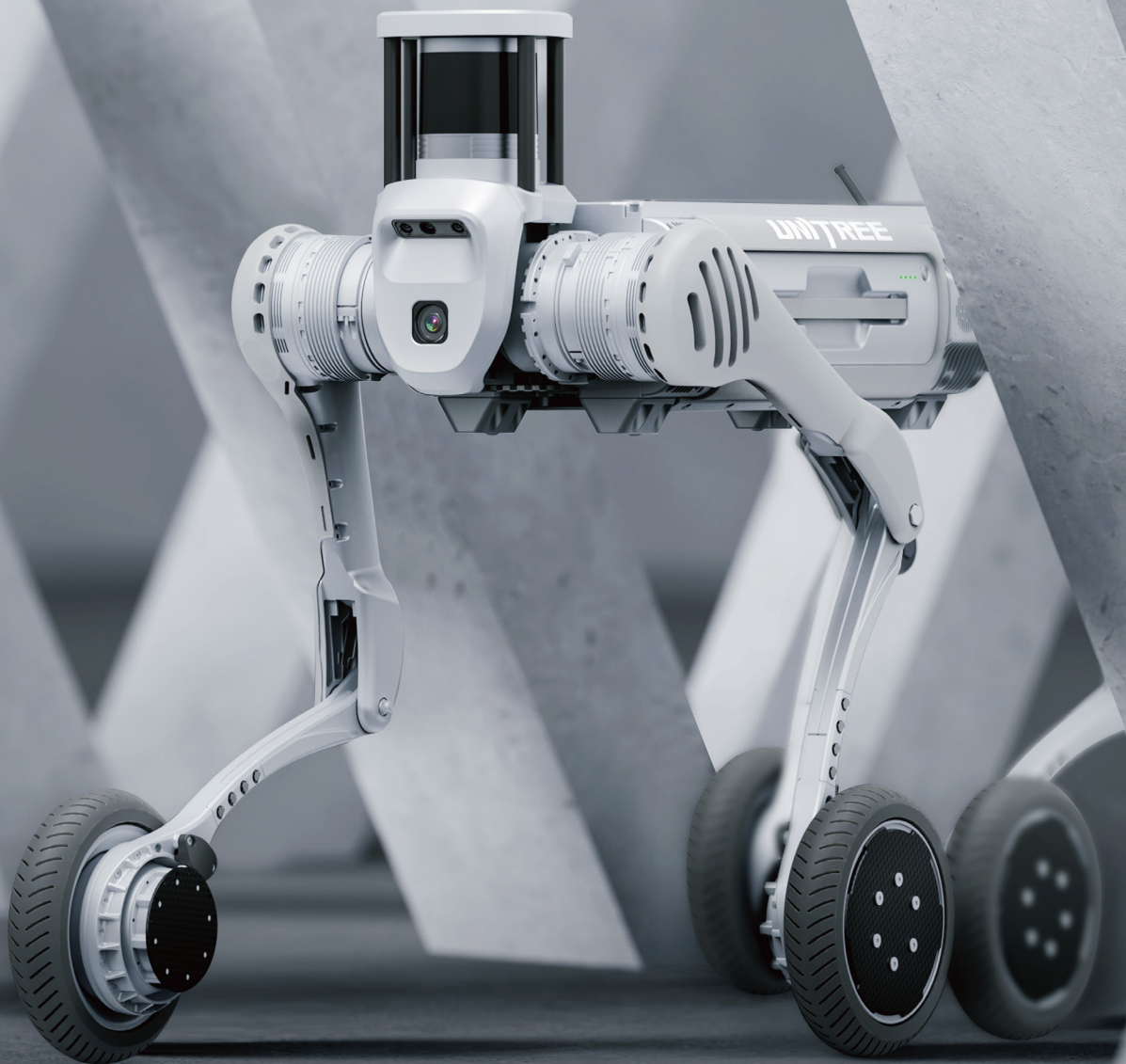


UNITREE B2-W

**GO FURTHER WITH
HIGHER EFFICIENCY**

Pioneer Technology Leading the Intelligent Future



Superior Endurance High Efficiency



25 km

Max Endurance
with 40kg Load

15 km/h

Max
Speed

120 kg

Max Load
(Standing)

40 N.m

Max Wheel
Torque

50 rad/s

Max Wheel
Speed

225 mm

Wheel
Diameter

Flexible Moving over All Terrains



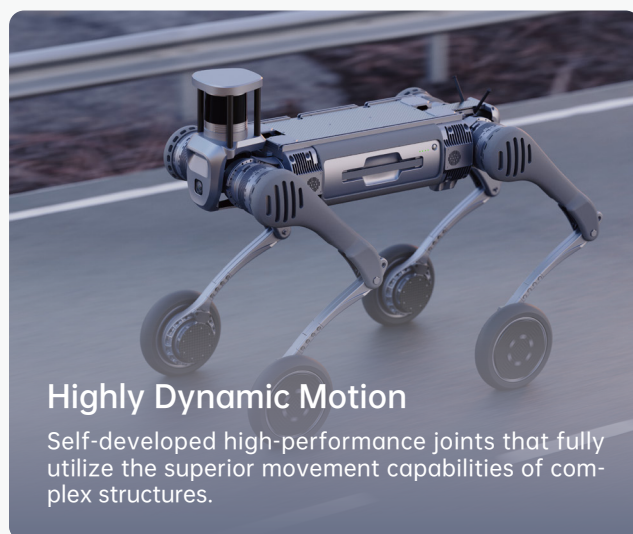
Crossing Grass, Stone, and Gravel Paths

Stabilizes walking on rough surfaces through the rapid and synergistic response of multiple leg joints.



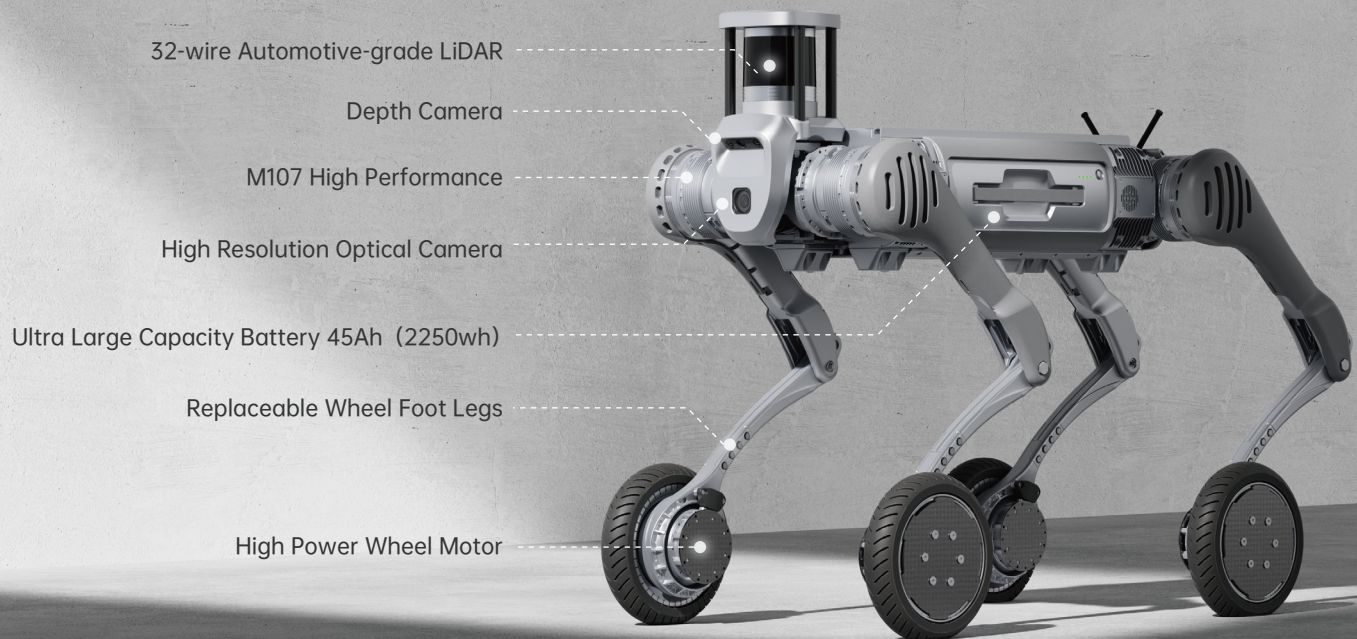
Traveling On Stairs, Slopes, and Barricades

Combines perceptual and motor control to maintain balance and cope with a variety of different discrete terrains.



Highly Dynamic Motion

Self-developed high-performance joints that fully utilize the superior movement capabilities of complex structures.



Parameter

Size(Standing)	≈1098mm×550mm×758mm
Size(Lying Prone)	≈950mm×550mm×450mm
Weight	≈85kg Total weight (battery included)
Battery Capacity	> 2kwh, voltage 58V
Max Horizontal Pulling Force	15km/h [1]
Endurance Ability	Max endurance of 25km with 40kg load [2] Max endurance without load and the mileage ≈30km
Max Load(Standing)	120kg
Load(Walking)	> 40kg
Wheel Diameter	225mm
Max wheel speed	50rad/s
Max wheel torque	40N.m
Continuous Stair Climbing	Stairs of 20~25cm
Climbing Ability	Climb up and down stairs of 40cm in forward direction
Operating Temperature	-20°C ~ 55°C
Climbing Angle	> 45°
Ingress Protection	IP67
Control and Perception	Standard configuration: Intel Core i5(Platform Function) ,Intel Core i7(User Development) Optional Configuration: Intel Core i7 and Jetson Orin NX (Maximum up to 3 devices)

[1]、[2]: realized in special configurations, in practice there is a speed limit for security purposes

Part of the function requires human operation or secondary development to realize, different configurations vary.

The above parameters may vary in different application scenarios and different configurations, please refer to the actual situation.

*This product is a civilian robot. We kindly request that all users refrain from making any dangerous modifications or using the robot in a hazardous manner.



TECHNOLOGY DRIVES WORLD PROGRESS

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Please visit Unitree Robotics Website for more related terms and policies,
and comply with local laws and regulations.



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