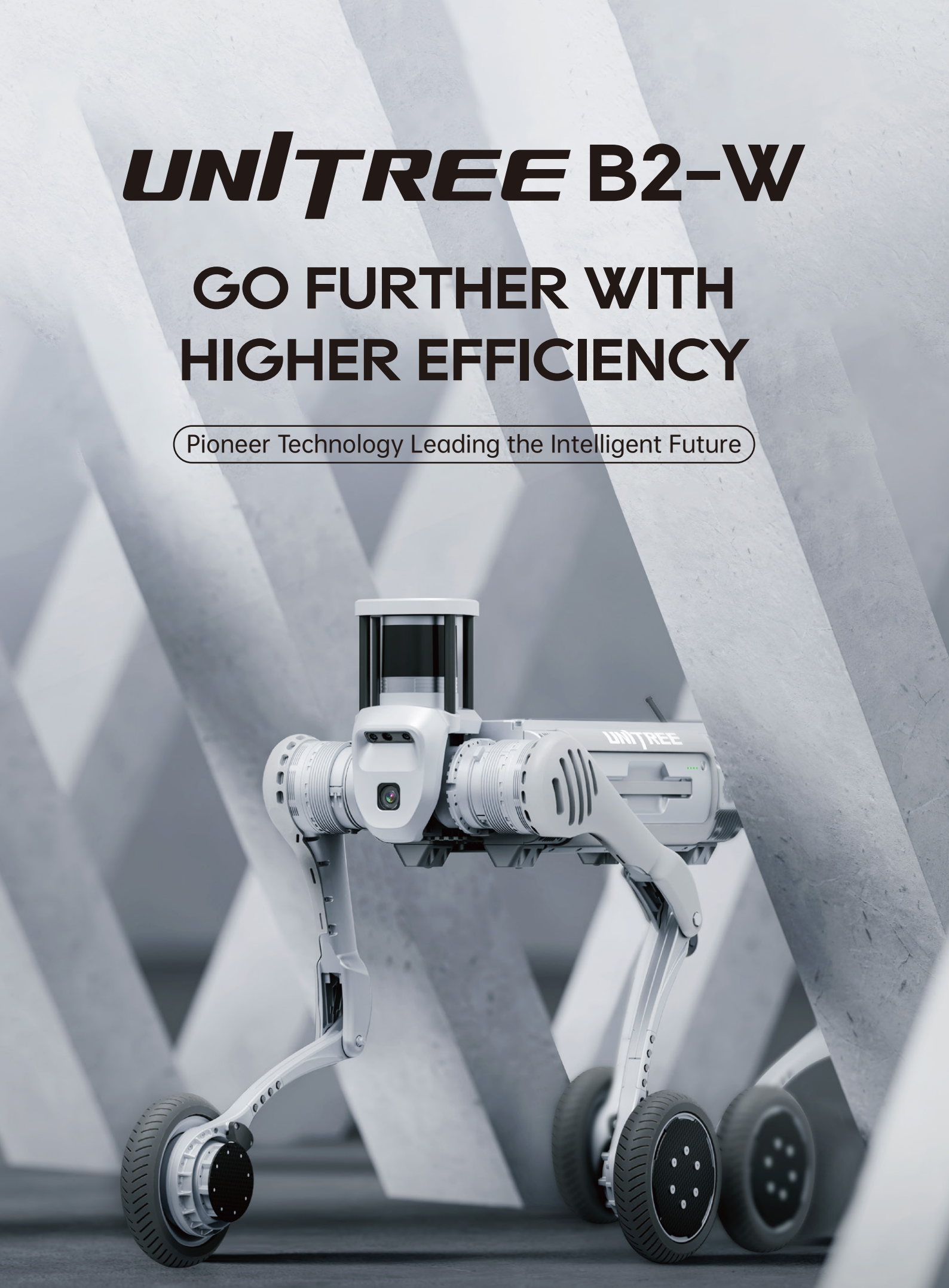
UNITREE B2-W

GO FURTHER WITH HIGHER EFFICIENCY

Pioneer Technology Leading the Intelligent Future



Superior Endurance
High Efficiency

50 km Max Endurance with 40kg Load	**20** km/h Max Speed
100 kg Max Horizontal Pulling Force	**50** N.m Max Wheel Torque
57 rad/s Max Wheel Speed	**225** mm Wheel Diameter

Flexible Moving over All Terrains

Crossing Grass, Stone,and Gravel Paths

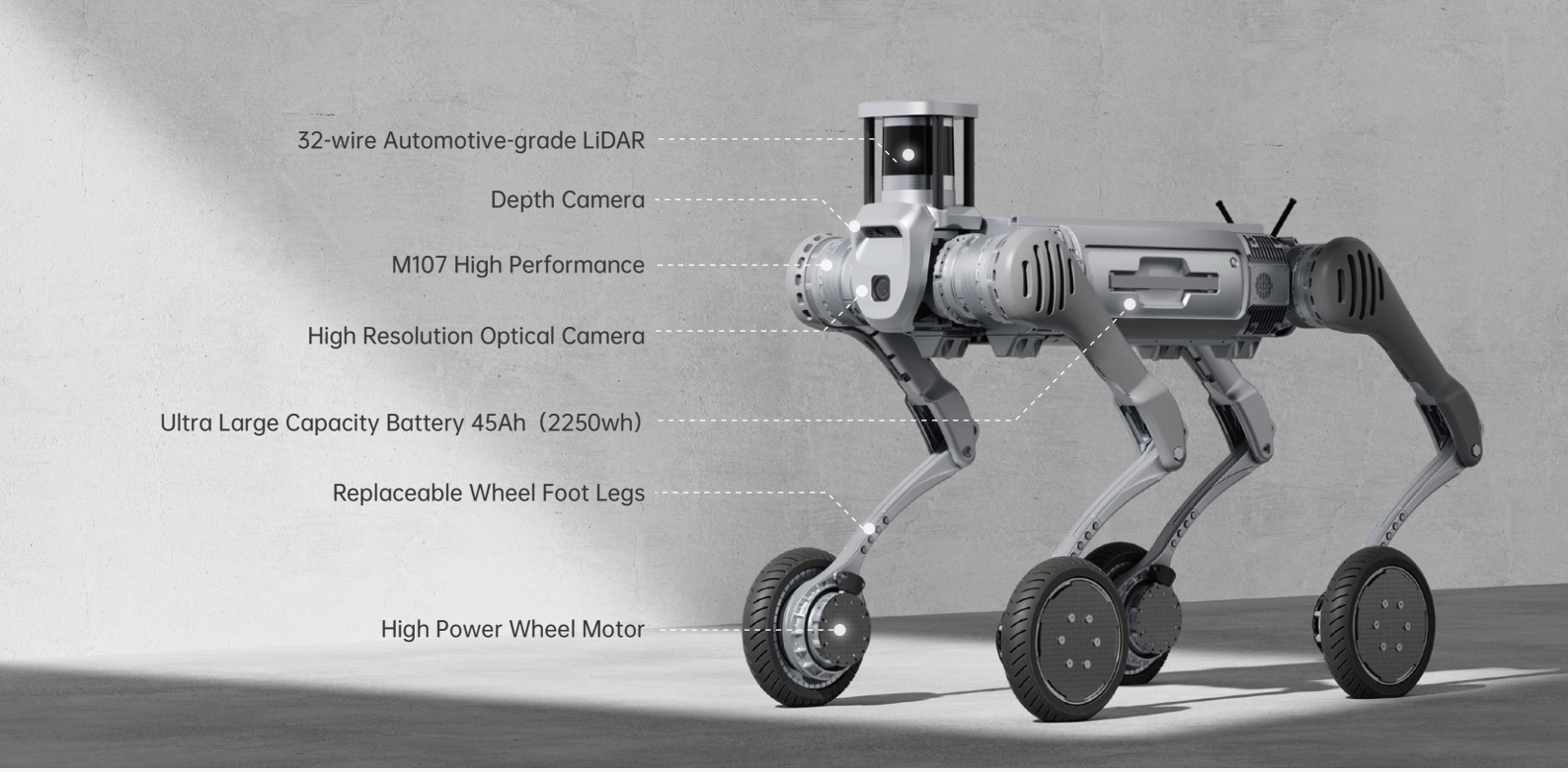
Stabilizes walking on rough surfaces through the rapid and synergistic response of multiple leg joints.

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	≈75kg(Total weight battery included)
Battery Capacity	>2kwh，voltage 58V
Endurance Ability	Max endurance of 50km with 40kg load [1]
Max Horizontal Pulling Force	20km/h [2]
Max Trench Crossing Distance	100kg [3]
Ditch Jumping Width	≈ 2m
Max Load(Standing)	120kg
Load(Walking)	> 40kg
Wheel Diameter	225mm
Max Wheel Speed	57rad/s
Max Wheel Torque	50N.m
Continuous Stair Climbing	Stairs of 20~25cm
Operating Temperature	-20℃ ~ 55℃
Climbing Angle	> 45°
Ingress Protection	IP67
Control & 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)

*[1]、[2]: realized in special configurations, in practice there is a speed limit for security purposes.
*[3] Measured with ideal friction on the ground and no skidding of the wheel.
*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.

UNITREE

TO PROMOTE THE WORLD WITH SCIENCE AND TECHNOLOGY

Unitree Robotics

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