Unitree B2

Full-scene Adaptation, All-around Robot

Max Running Speed
> 6m/s [1]

Max Joint Torque
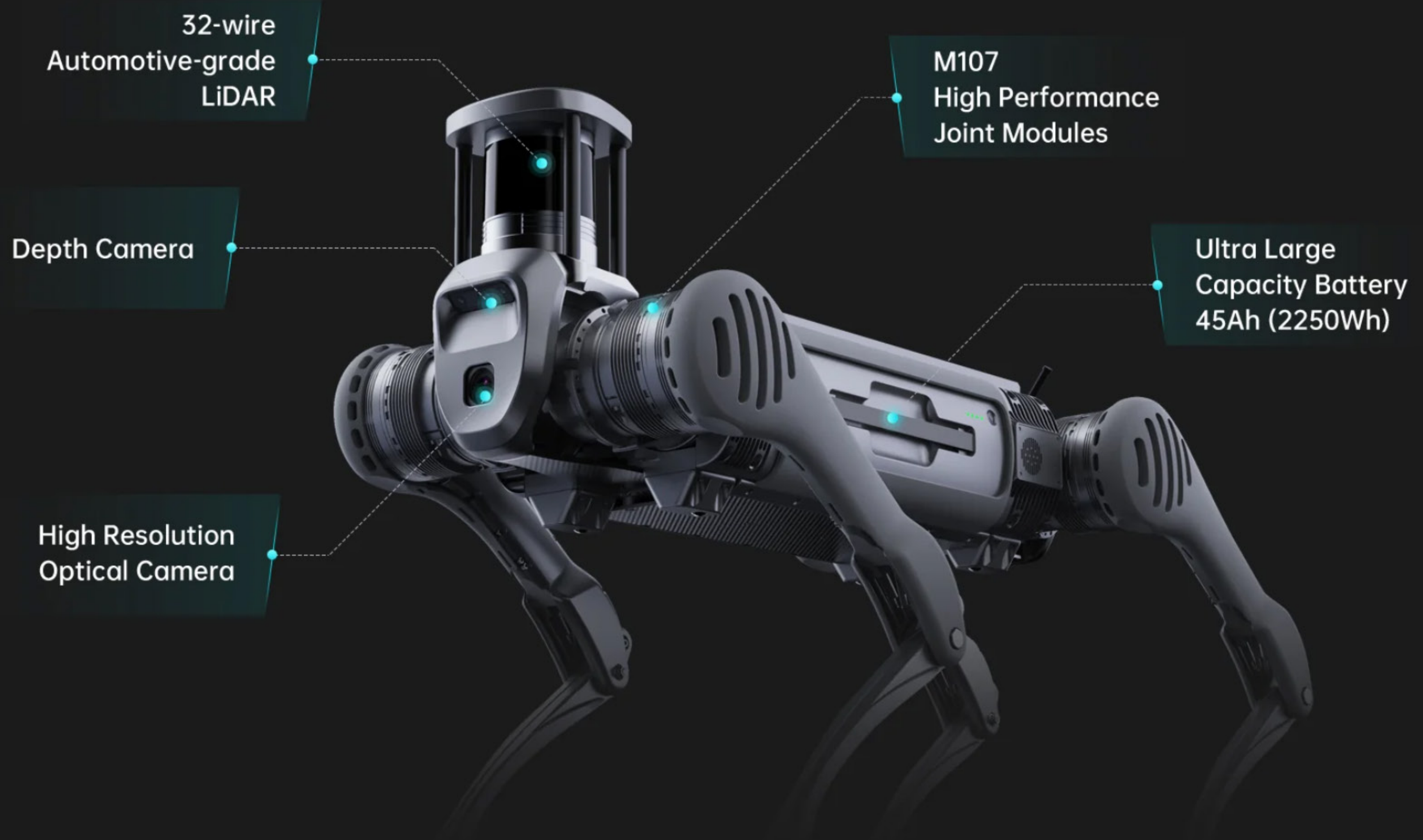About 360N.m

Longest Jump Distance
> 1.6m

Ultra Load
Standing load: 120kg max
Continuous walking load >40kg

Max Walking Capacity
Obstacle crossing: Max 40cm
Slope angle > 45°

Ultra Long Endurance
Continuous walking without load >5h
20kg load continuous walking >4h

32-wire Automotive-grade LiDAR

M107 High Performance Joint Modules

Depth Camera

Ultra Large Capacity Battery 45Ah (2250Wh)

High Resolution Optical Camera

The comprehensive performance in terms of load, range, motion capability and speed is two to three times that of existing quadruped robots worldwide!

Size(Standing)	≈ 1098mm×450mm×645mm
Size(Lying Prone)	≈ 880mm×460mm×330mm
Weight	≈ 60kg Total weight (battery included)
Battery Performance	Battery capacity 45Ah(2250Wh)，voltage 58V
Endurance Ability	Battery life 4-6h Walking without load > 5h, and the mileage > 20km Walking with 20kg load > 4h, and the 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 stairs of 40cm in forward direction
Operating Temperature	-20℃ ~ 55℃
Climbing Angle	> 45°
Running Speed	> 6m/s [1]
Ditch Jumping Width	0.5~1.2m
Max Jump Distance	> 1.6m
Ingress Protection	IP67
Control and Perception	intel Core i5×1，intel Core i7×3，Nvdia Jetson Orin NX×1 (Varies with different configurations)
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]: 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.