


B2





32-channel Automotive-grade LiDAR

Depth Camera

High Resolution Optical Camera

M107 High Performance Joint Modules

Ultra Large Capacity Battery 45 Ah (2250 Wh)

Autonomous charging station available

B2 Specifications

Size (Standing) $\approx 1098 \times 450 \times 645$ mm

Size (Lying Prone) $\approx 880 \times 460 \times 330$ mm

Weight ≈ 60 kg total weight (battery included)

Battery Capacity 45 Ah (2250 Wh)

Battery Voltage 58 V

Battery Life 4 – 6 h

Endurance Ability: Walking without load > 5 h and the mileage > 20 km

Endurance Ability: Walking with 20kg load > 4 h and the mileage > 15 km

Wheeled Foot Optional

Load (Standing) Max. 120 kg

Load (Walking) > 40 kg

Continuous Stair Climbing Stairs of 20 ~ 25 cm

Single Obstacle Crossing Climb up and down stairs of 40 cm in forward direction

Operating Temperature $-20^{\circ}\text{C} \sim 55^{\circ}\text{C}$

Climbing Angle $> 45^{\circ}$

Running Speed > 6 m/s [1]

Ditch Jumping Width 0.5 ~ 1.2 m

Max Jump Distance > 1.6 m

Ingress Protection IP67

Control and Perception: Standard Configuration Intel Core i5 (Platform Function), Intel Core i7 (User Development)

Control and Perception: Optional Configuration Intel Core i7 and Jetson Orin NX (Maximum up to 3 devices)

Sensing Sensor 3D LiDAR $\times 1$ + Depth camera $\times 2$ + Optical camera $\times 2$ (Varies with different configurations)

Interface 1000M-Base-Ethernet $\times 4$ USB3.0 $\times 4$ 12V $\times 4$ 5V $\times 1$ 24V $\times 4$ BAT $\times 1$

[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. Errors and technical modification subject to change.

B2-W

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

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

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

Contact us

office@general-laser.at

general-laser.at

unitree.com

