GENERAL LASER

Unitree

Tracking Module
Remote-controlled or automatic tracking

Front Camera
Image transmission resolution 1280×720, FOV 120°, Ultra wide angle lens delivers rich clarity

Front Lamp
Brightly lights the way ahead

4D LiDAR L1
360 × 90° omnidirectional ultra-wide-angle scanning allows automatic avoid-ance with small blind spot and stable operation

12 Knee Joint Motors
Strong and powerful
Beautiful and simple
Brand new visual experience

Foot Force Sensor
Receiving foot perception in real time

Intercom Microphone
Effective communications with no scenario restrictions

Autonomous charging station available

Self-retracting Strap
Easy to carry and load things

More Stable, More Powerful with Advanced Devices
- 3D LiDAR
- 4G ESIM Card
- WiFi6 with Dual-band
- Bluetooth 5.2 for stable connection and remote control

Powerful Computing Core
- Motion Controller
- High-performance ARM processor
- Improved AI algorithm processor
- External ORIN NX/NANO

Smart Battery
Standard: 8000 mAh
Long endurance: 15000 mAh
Protection from over-temp, overcharge and short-circuit

Speaker for Music Play
Listen to music

Model	Air	Pro	Edu
Dimensions Standing	70 × 31 × 40 cm	70 × 31 × 40 cm	70 × 31 × 40 cm
Dimension Crouching	76 × 31 × 20 cm	76 × 31 × 20 cm	76 × 31 × 20 cm
Weight (with battery)	About 15 kg	About 15 kg	About 15 kg
Material	Aluminium alloy + High strength engineering plastic	Aluminium alloy + High strength engineering plastic	Aluminium alloy + High strength engineering plastic
Voltage	28 ~ 33.6 V	28 ~ 33.6 V	28 ~ 33.6 V
Peaking Capacity	About 3000 W	About 3000 W	About 3000 W
Payload	≈7 kg (Max. ~10 kg)	≈8 kg (Max. ~10 kg)	≈8 kg (Max. ~12 kg)
Speed	0 ~ 2.5 m/s	0 ~ 3.5 m/s	0 ~ 3.7 m/s (Max. ~5 m/s)
Max Climb Drop Height	About 15 cm	About 16 cm	About 16 cm
Max Climb Angle	30°	40°	40°
Basic Computing Power	–	8-core high-performance CPU	8-core high-performance CPU
Max Torque [1]	–	About 45 N·m	About 45 N·m
Aluminum Knee Joint Motor	12 set	12 set	12 set
Range of Motion	Body: -48 ~ 48° Thigh: -200 ~ 90° Shank: -156 ~ -48°	Body: -48 ~ 48° Thigh: -200 ~ 90° Shank: -156 ~ -48°	Body: -48 ~ 48° Thigh: -200 ~ 90° Shank: -156 ~ -48°

[1] The maximum torque in the table refers to the maximum torque of the largest joint motor; the actual maximum torque varies for the 12 joint motors.

Contact us

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