

UNITREE H1

STARTS NEW INDUSTRIAL REVOLUTION

The most powerful general-purpose humanoid robot of its counterparts with similar specifications in the world.

- Self-developed high-torque joint motors
- 360° panoramic perception
- Dexterity for force-controlled movements and operations

Total Weight	About 47kg
Mobility	Moving speed of 3.3m/s(world record), Potential mobility > 5m/s
Battery	Battery capacity 15Ah (0.864KWh), Max. Voltage 67.2V
Control and Recognition Computing Power	Standard : Intel Core i5(Platform Function) , Intel Core i7(User Development) Optional: Intel Core i7 or Jetson Orin NX
Sensor Configuration	3D LIDAR + Depth Camera
Key Dimensions	(1520+285) × 570 × 220mm
Thigh and Shin Length	400mm ×2
Total Arm Length	338mm ×2
DOF of Each Leg	5 (Hip×3+Knee×1+Ankle×1)
DOF of Each Arm	4 (Expandable)
Joint output bearing	Industrial grade crossed roller bearings (high precision, high load capacity)
Core Joint motor	Low inertia high-speed internal rotor PMSM (permanent magnet synchronous motor, better response speed and heat dissipation)
Knee Torque	About 360N.m
Hip Joint Torque	About 220N.m
Ankle Torque	About 59N.m
Arm Joint Torque	About 75N.m
Flexible Fingers	Optional (in development)

*Note: The product continues to iterate and optimize, please refer to the actual receipt of the goods prevail.

*A civilian robot product. Please visit Unitree Robotics official website to learn more about product-related terms and policies. Please abide by the laws and regulations of each region.

*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.



@UnitreeTurkiye

Unitree Robotics

Web: unitree.com.tr

Tel: 0216 652 2300

Email: info@prosmt.com

