



UNITREE · HUMANOID ROBOTS ·
ROBOTIX MARKET

Unitree

H2 Plus

Unitree's full-stack
development humanoid: the
H2 with NVIDIA Jetson Thor
onboard

2070 TFLOPS on board, a 5 MP stereo
head camera, optional tactile five-finger
hands and NVIDIA Isaac workflows from
data to deployment.

Available worldwide from Robotix Market
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OVERVIEW

The H2, built for full-stack development

The Unitree H2 Plus is the 182 cm, 31-joint H2 humanoid equipped for embodied-AI development from end to end: an NVIDIA Jetson T5000 module on board, a 5 MP stereo head camera, optional wrist cameras and Sharpa Wave tactile hands, and support for NVIDIA's Isaac workflows. Unitree's tagline for it: integrated R&D and manufacturing, embarking on full-stack development.

Jetson Thor onboard

NVIDIA Jetson T5000 as standard: a 2560-core Blackwell GPU with 2070 FP4 TFLOPS, a 14-core Arm CPU and 128 GB of unified memory, configurable from 40 to 130 W, for real-time sensor processing and robot inference.

Multi-view sensing

A 5 MP head-mounted stereo camera with a 140° × 102° field of view and global shutter, optional 3 MP ultra-wide wrist cameras, an IMU, and an array microphone with speakers.

Built on NVIDIA Isaac

Open models, simulation frameworks and validated reference workflows from data to deployment: Isaac TeleOp, GR00T, Isaac Sim and Lab, and Isaac ROS.

Three computers, one body

The Jetson module works beside the H2's Intel Core i5 platform computer and Intel Core i7 user-development computer, with secondary development supported.

Tactile hands (optional)

Dual Sharpa Wave five-finger hands: 22 active DoF each and 75 DoF for body and hands, more than 1,000 tactile pixels per fingertip, 150 N grip and 30 kg payload.

The H2 body

182 cm and about 70 kg on 31 joints: 120 N·m arm and 360 N·m leg joints, about 7 kg rated and 15 kg peak arm payload, and a quick-release 15 Ah battery for about 3 hours.



2070

FP4 TFLOPS ON
BOARD

128 GB

UNIFIED MEMORY

5 MP

STEREO HEAD
CAMERA

75

DOF WITH SHARPA
HANDS

~3 h

PER BATTERY
CHARGE

The H2 line

THE SAME PLATFORM IN FIVE FORMS — EACH WITH ITS OWN BROCHURE

H2

The standard biped: Intel Core i5 motion computer, no hands; 8-month warranty. Also as H2 Basic.

H2 EDU

The research edition: Intel Core i7 development computer, SDK, hand packages, optional Jetson Thor.

H2-A

The H2 upper body on a fixed mounting plate at bench height, with a pair of hands; seven hand packages.

H2-D

The H2 upper body on a lift column: Standard on a fixed base, Flagship on a mobile base with LiDAR.

H2 EDU and H2 Plus compared

H2 EDU

Research edition — own brochure

H2 Plus

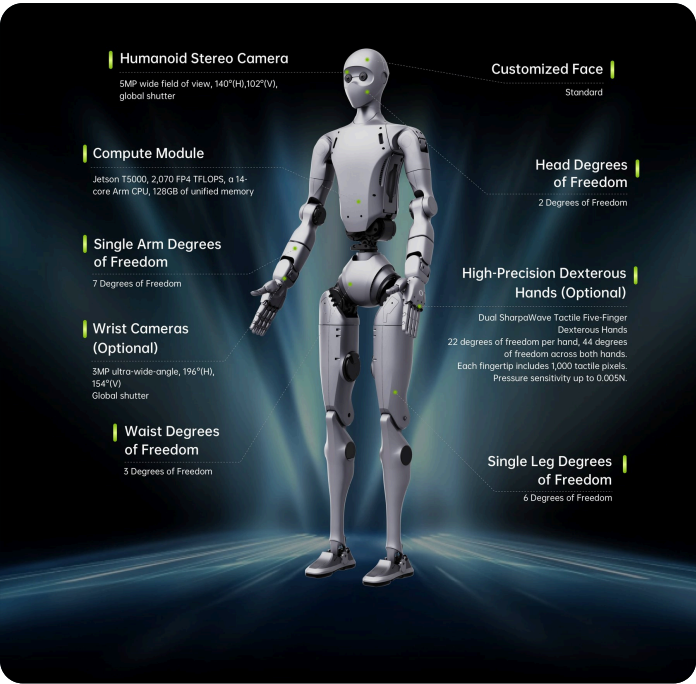
This brochure: full-stack development

BODY AND JOINTS		
Height × width × depth, standing	1820 × 456 × 218 mm	
Weight, with battery	About 70 kg	
Degrees of freedom (joint motors)	31	
Per leg · per arm · waist · head	6 · 7 · 3 · 2	
Maximum joint torque, arm · leg*	120 N·m · 360 N·m	
Arm payload*	Peak about 15 kg; rated about 7 kg	
Calf + thigh · forearm + upper arm	1045 mm · 690 mm	
Face	Bionic head with facial features	Customised face, as standard
HANDS		
Dexterous hands	Optional, multiple model options	Optional dual Sharpa Wave tactile five-finger hands, 22 DoF each
Degrees of freedom with hands	Depends on the hands chosen	75 with Sharpa Wave hands
COMPUTING		
Platform · development computers	Intel Core i5 · Intel Core i7	
High-performance computing module	Optional, e.g. NVIDIA Jetson Thor	NVIDIA Jetson T5000 (Thor) as standard: 2070 TFLOPS FP4, 128 GB
Secondary development	Yes	
SENSING AND INTERFACES		
Head camera	Binocular, 2064 × 1552 px, 156° × 116°	Stereo, 5 MP (2560 × 1984 px), 140° × 102°
Wrist cameras	—	Optional, 3 MP ultra-wide, 196° × 154°
Voice	Array microphone and high-power speaker	
Wi-Fi 6 · Bluetooth 5.2	Yes	
External interfaces	Back panel: 6 USB-C, GMSL, 2 gigabit Ethernet, 4 power outputs with RS-485 or CAN, 2 hand connectors	USB 3.0 ×3, USB + DP ×3, GMSL ×4, gigabit Ethernet ×4, USB 2.0 ×2, RS-485 ×4, CAN ×2; power 12 V ×1, 24 V ×2, battery ×1
SOFTWARE		
NVIDIA Isaac reference workflows	—	Isaac TeleOp, GR00T, Isaac Sim and Lab, Isaac ROS
Intelligent OTA updates	Yes	
POWER AND ACCESSORIES		
Battery	Quick-release, 15 Ah (0.972 kWh), max. 75.6 V	
Battery life	About 3 h	
Cooling	Air cooling	
Charger · handheld remote with emergency stop	Yes · Yes	
Warranty	12 months	

Unitree's published parameter tables for the H2 EDU and the H2 Plus. A value shown once applies to both. — means the item is not part of that model or not published for it. * Unitree notes that torque and payload figures may vary with scenario and configuration. The H2 Plus interface list is Unitree's own list for the H2 Plus.

Sources: unitree.com/H2plus (product page and parameter table), unitree.com/H2 (H2 EDU column) and Unitree's H2 developer documentation (camera and onboard computers), read September 2026. Figures are the manufacturer's; where a value is not published it is marked rather than estimated.

What makes it the Plus



Unitree's H2 Plus callout graphic. The wrist cameras and the Sharpa Wave hands it shows are options.

Compute module	
NVIDIA Jetson T5000, as standard	
AI performance	2070 TFLOPS (FP4, sparse)
GPU	2560-core NVIDIA Blackwell, 5th-generation Tensor Cores, up to 1.57 GHz
CPU	14-core Arm Neoverse-V3AE, up to 2.6 GHz
Memory	128 GB LPDDR5X, 273 GB/s
Storage	NVMe via PCIe; SSD via USB 3.2
Video	2 × NVENC, 2 × NVDEC
Power	Configurable 40–130 W

Vision	
Unitree's H2 Plus camera module	
Head stereo camera	5 MP, 2560 × 1984 px, global shutter
Field of view	140° × 102°; depth of field 0.4 m to infinity
Baseline · focal length	60 mm · 2.67 mm
Wrist cameras (optional)	3 MP ultra-wide-angle, 196° × 154°, global shutter
Other sensing	IMU; array microphone and speakers



Sharpa Wave tactile hands	
Optional · two five-finger hands	
Active DoF per hand	22
Weight · size	1.3 kg · 208 × 90 × 50 mm
Payload · grip force	30 kg · 150 N
Fingertip force	20 N
Tactile pixels	More than 1,000 per fingertip
Force detection	0–30 N, sensitivity 0.005 N
Speed · repeatability	More than 4 Hz · ± 1 mm

The H2 body underneath

SHARED WITH EVERY H2

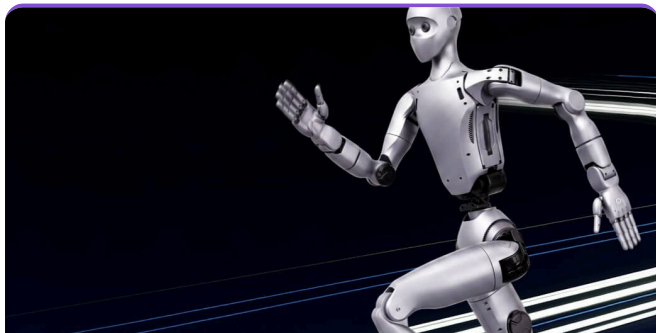
Height · weight 1820 mm · about 70 kg with the battery	Degrees of freedom 31: legs 6 + 6, arms 7 + 7, waist 3, head 2	Joint torque · payload 120 N·m arm, 360 N·m leg · about 7 kg rated per arm	Battery 15 Ah, 0.972 kWh, up to 75.6 V; about 3 h
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HIGHLIGHTS

Built for embodied AI

Jetson T5000 onboard compute

2070 FP4 TFLOPS from a Blackwell GPU, a 14-core Arm CPU and 128 GB of unified memory run perception and robot inference on board.



Whole-body control

120 N·m at the arm joints and 360 N·m at the leg joints, driven by Unitree's motion-control algorithms and updated over the air.



Multi-view sensing

A head-mounted wide-field stereo camera, optional wrist cameras and an IMU give the robot several views of its work.



High payload capacity

A rated arm payload of 7 kg and a peak of 15 kg for high-duty grasping and reaching tasks.



Remote emergency stop

The handheld remote controller stops the robot quickly and safely from a distance.

NVIDIA Isaac on the H2 Plus

Unitree builds the H2 Plus for NVIDIA's robotics stack, with open models, simulation frameworks and validated reference workflows. The chain runs from recording demonstrations to running the trained policy on the robot.



1

Isaac TeleOp

Captures high-quality robot demonstration data for training and policy development.

2

Isaac GROOT

Open foundation models for humanoid reasoning, learning and multitask behaviour.

3

Isaac Sim and Isaac Lab

Simulate, train, test and evaluate robot policies before real-world deployment.

4

Isaac ROS

Accelerated middleware that moves trained policies onto the robot.

5

Jetson Thor

Runs real-time inference and control on board.

Accessories

UNITREE'S H2 PLUS ACCESSORY LIST

From Unitree's H2 Plus parameter table. We confirm the full packing list, the hands and the wrist cameras with your quotation.

- NVIDIA Jetson T5000 high-performance computing module
- Quick-release smart battery
- Charger
- Handheld remote controller with emergency stop
- Options: 3 MP wrist cameras; dual Sharpa Wave tactile five-finger hands

NEXT STEP

Configure your H2 Plus

Tell us what you are building — the models you will train, the manipulation you need and whether you want the Sharpa Wave hands and wrist cameras. We will come back with a configuration, a delivery estimate to your address and a formal quotation.

Request a quotation

Web

robotixmarket.com/products/unitree-h2-plus-humanoid-robot

Email · info@robotixmarket.com

The H2 Plus is quoted per configuration; hands, wrist cameras and delivery are confirmed with your quotation. Robotix Market ships worldwide.



Scan for the product page

Sourced new

Supplied through established distribution channels.

Manufacturer warranty

Every robot ships with Unitree's manufacturer warranty — 12 months on the H2 Plus, per Unitree's published terms — and official documentation.

Support

Technical support is coordinated with the manufacturer's service network.

Unitree's own advice for the H2 line: keep a sufficient safe distance between the robot and people, understand the platform's limitations before buying, and use it as the civilian robot it is, without modifications or hazardous use.