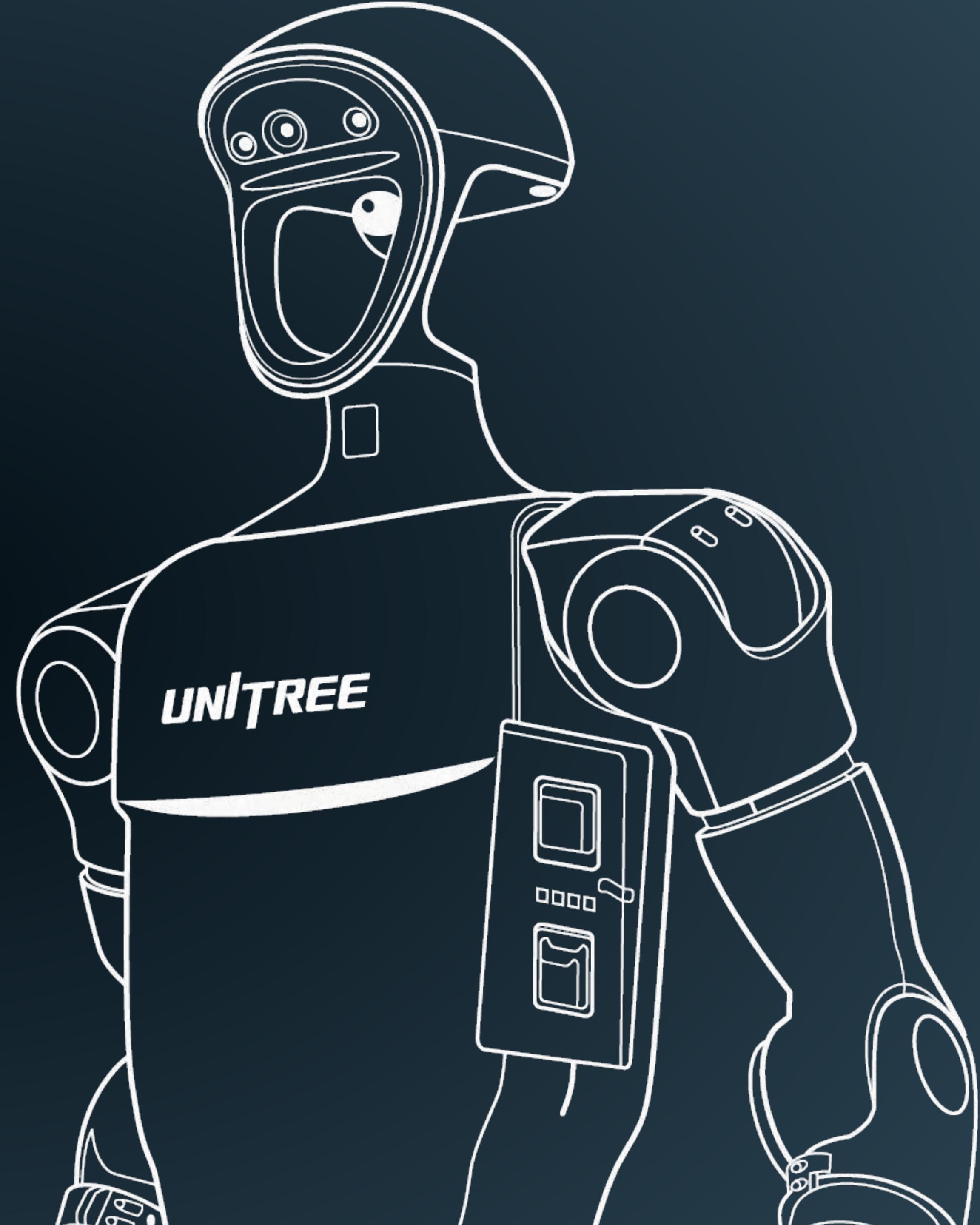


 ROBOSTORE
THE OFFICIAL PARTNER OF *UNI TREE*

G1 PRODUCT OVERVIEW



TAILORED SUPPORT FOR ROBOTICS EDUCATION

At Robostore, our mission is to make advanced robotics accessible to educators and students across the U.S. As a trusted partner of Unitree Robotics, we're proud to bring a powerful lineup of intuitive, high-quality robots into classrooms and labs, offering hands-on learning experiences that prepare students for the future.

We believe robotics education is key to building a more innovative and connected world. By equipping educators with cutting-edge tools, we're helping create meaningful learning experiences that inspire the next generation of thinkers, creators, and problem-solvers.

WHY CHOOSE ROBOSTORE?

Access the full lineup of Unitree robotics, including the GO2 and G1, backed by expert knowledge and support.

COMPREHENSIVE PRODUCT SUPPORT

We handle all product repairs, replacements, and technical assistance to ensure your robots stay operational. With our dedicated team, we're here to provide support and guidance for all your educational needs.

EDUCATOR-CENTRIC RESOURCES

From education-friendly purchasing, to detailed product support, and access to comprehensive STEM curriculum, we operate in tandem with robotics educators so you can take your students to the future, faster.



ROBOSTORE & EDUCATORS

We tailor procurement and resources for educators to bring robotics education to life with the G1 Humanoid. Our dedicated support for educational institutions ensures smooth integration, empowering educators to inspire students in fields like robotics, AI, and programming.

LEARN TO PROGRAM WITH

- BLOCK CODING
- PYTHON
- OPEN CV
- C++
- ROS

EXPLORE

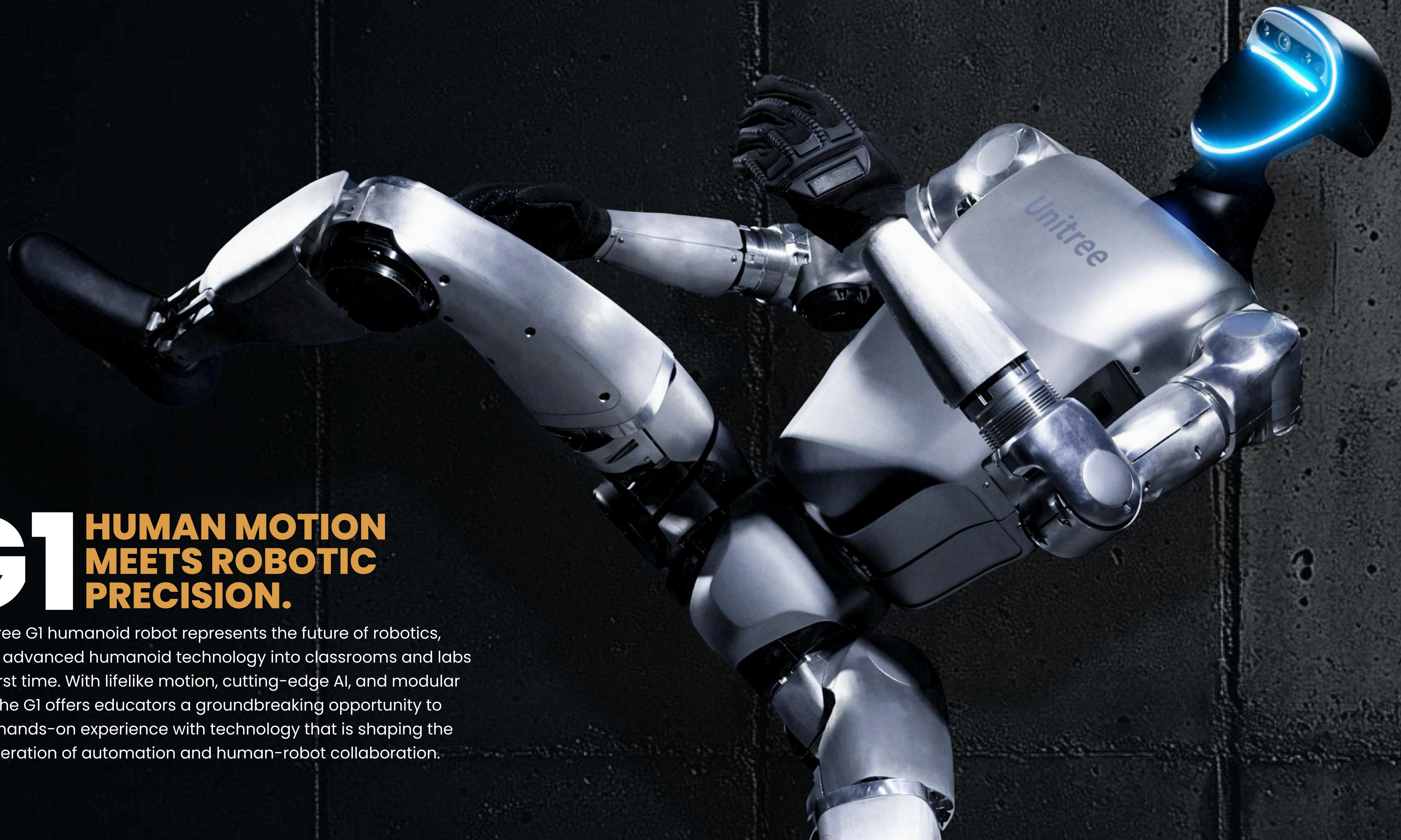
- AUTONOMOUS NAVIGATION
- AI APPLICATIONS
- REAL-WORLD PROBLEM-SOLVING.
- MOTION PLANNING AND HUMAN-LIKE MOVEMENT

EXPLORE THE FULL CURRICULUM [HERE](#).

NOTE: DroneBlocks curriculum is exclusively available for the GO2 Platform.

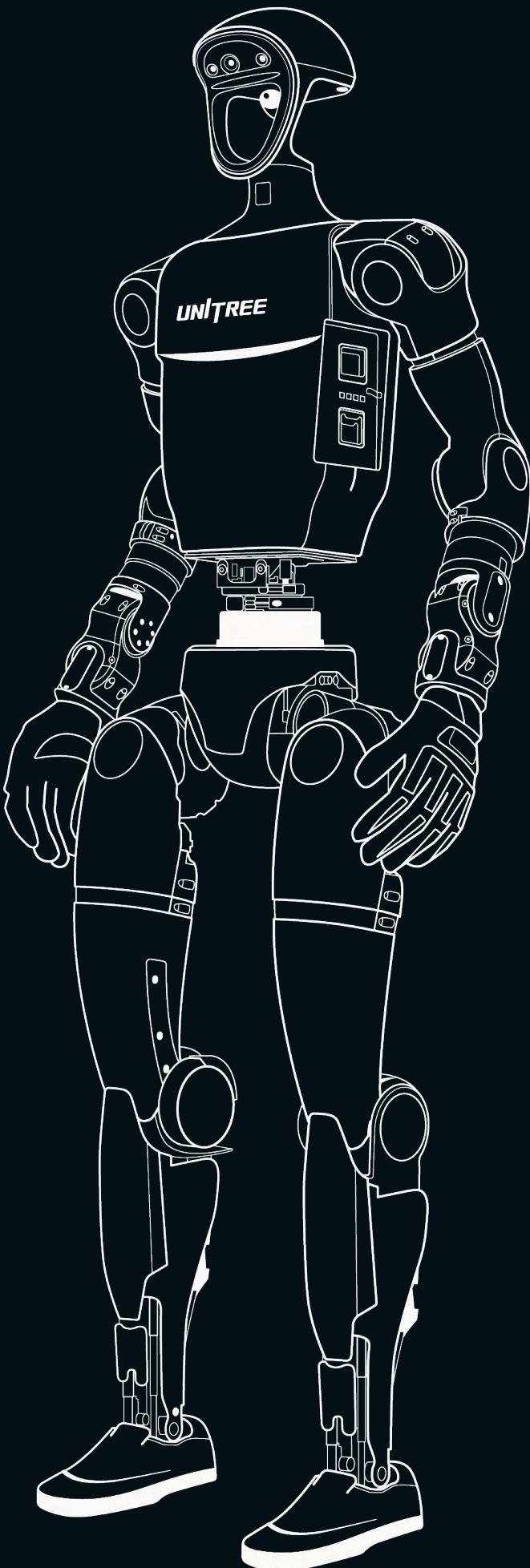
G1 HUMAN MOTION MEETS ROBOTIC PRECISION.

The Unitree G1 humanoid robot represents the future of robotics, bringing advanced humanoid technology into classrooms and labs for the first time. With lifelike motion, cutting-edge AI, and modular design, the G1 offers educators a groundbreaking opportunity to provide hands-on experience with technology that is shaping the next generation of automation and human-robot collaboration.



UNLOCK POTENTIAL WITH ADVANCED SOFTWARE SUPPORT

The Unitree G1 EDU is not just a humanoid robot—it's a comprehensive platform for exploring the capabilities of AI, machine learning, and robotics. With access to pre-built datasets and extensive software support, the G1 enables students and educators to dive into real-world robotics applications and cutting-edge research.



WHAT CAN THE G1 DO?

The G1 EDU is built to perform a wide range of tasks, supported by robust software and pre-trained datasets

- Fold clothes with precision and efficiency.
- Package items in structured workflows.
- Pour drinks, demonstrating advanced motor control.
- Stack blocks for object manipulation studies.
- Place objects in dynamic and adaptive scenarios.

SOFTWARE RESOURCES

Expand the G1's capabilities with pre-built datasets and AI tools to accelerate development.

Pre-Trained Models:

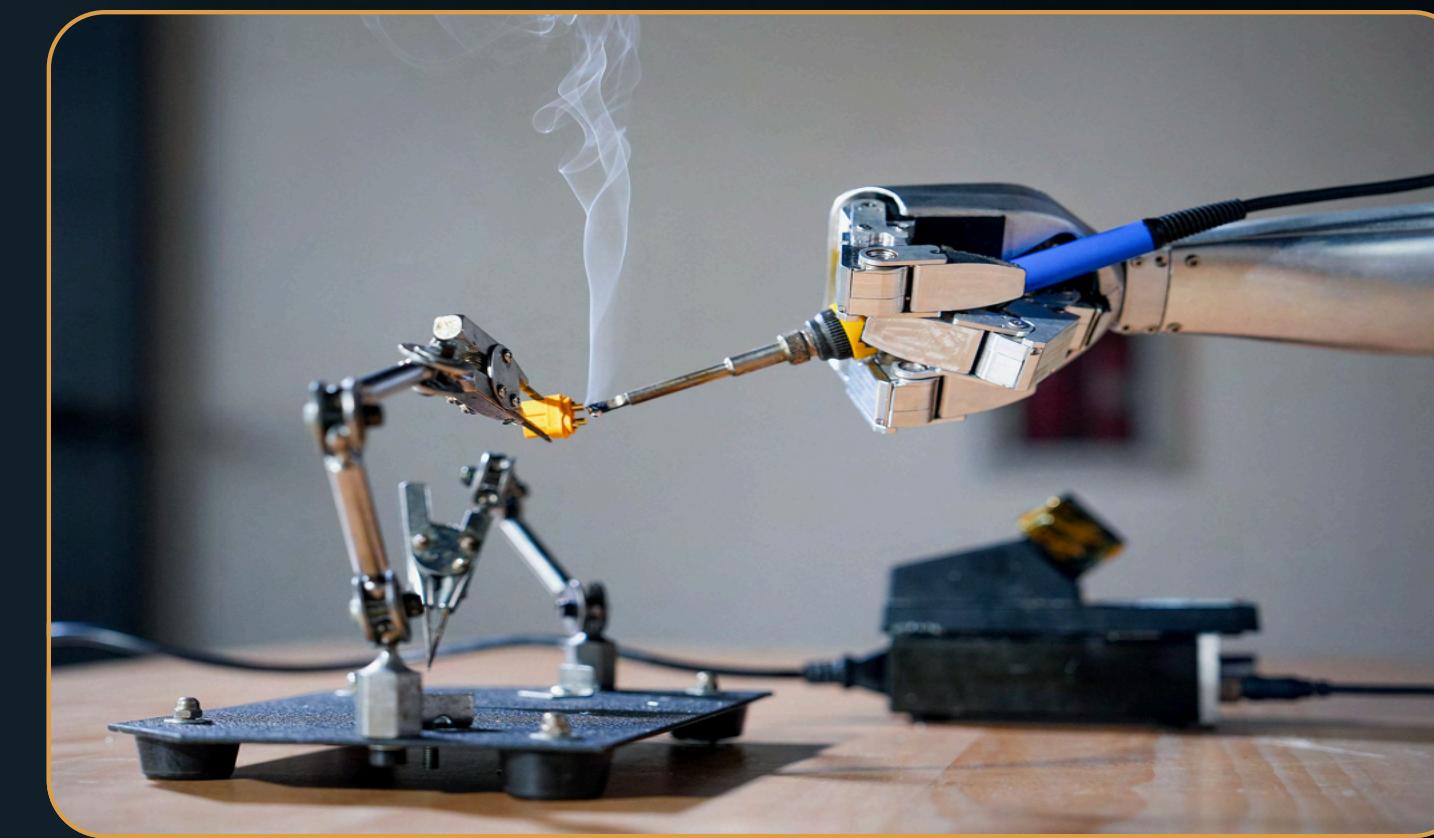
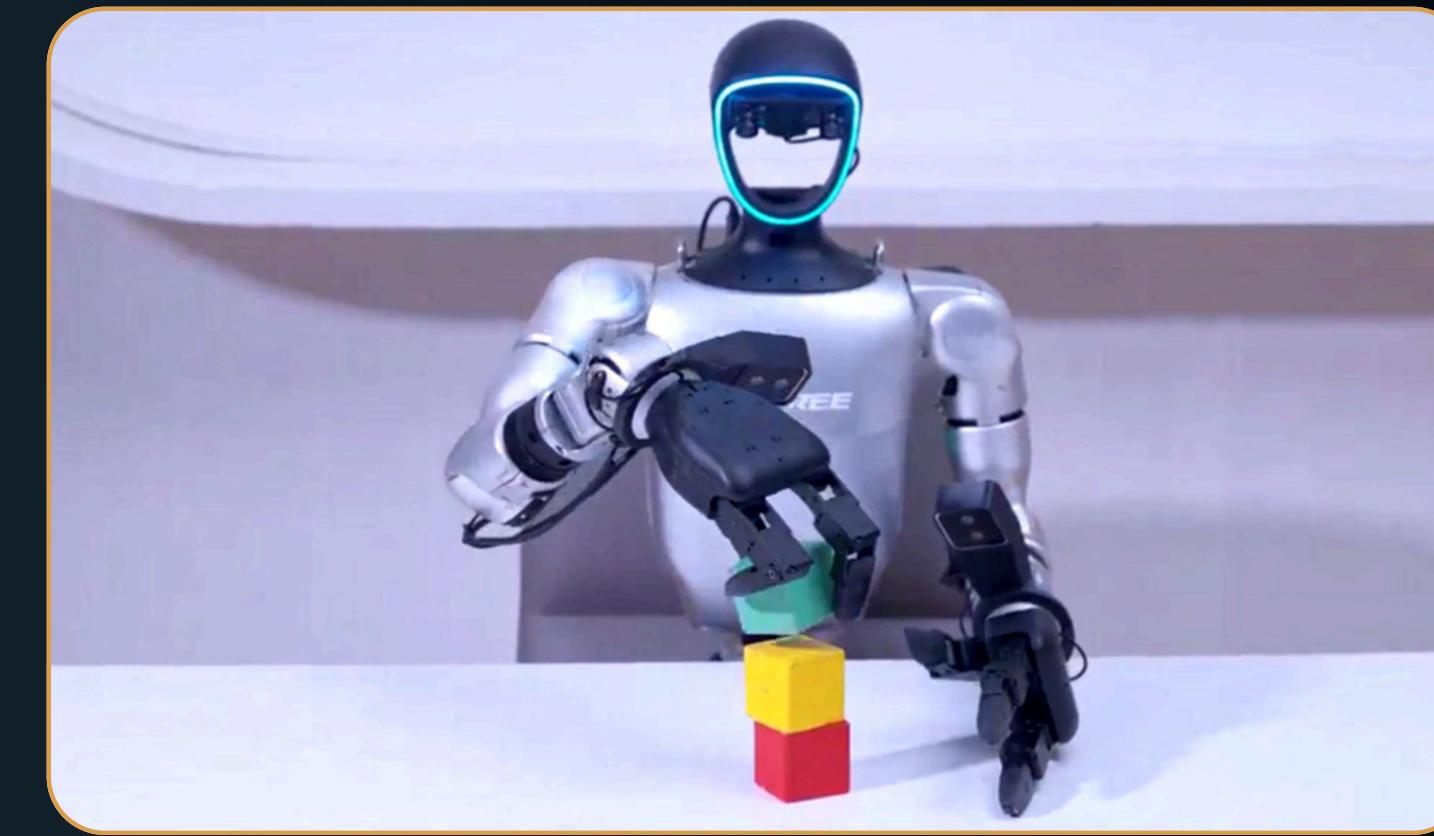
Access datasets for robotics-specific tasks, including object recognition, grasping, and motion control.

Supported Platforms:

Compatible with popular frameworks like ROS, Python, and C++.

Explore Datasets:

[Access Unitree Robotics Datasets on Hugging Face](#)



G1 TECH OVERVIEW

The G1 EDU is an advanced robotic platform designed to drive innovation in education. With cutting-edge AI, precise navigation, and powerful motion capabilities, it empowers students and researchers to explore robotics and programming. Perfect for classrooms and labs, the G1 EDU bridges the gap between concepts and real-world application.

**1 YEAR
MANUFACTURER
WARRANTY**

**≤40 pieces
TOTAL DEGREES
OF FREEDOM**

**2 HOUR
BATTERY LIFE**

**120 N.m
MAXIMUM
JOINT TORQUE**

3D LiDAR
LIVOX-MID360

DEPTH CAMERA
Intel RealSense D435

SPEAKER
Stereo with 5W Power

MICROPHONE ARRAY
Noise cancellation &
Echo cancellation

SINGLE ARM D.O.F
Shoulder 3 + Elbow 2
+ Wrist 2 (Optional)

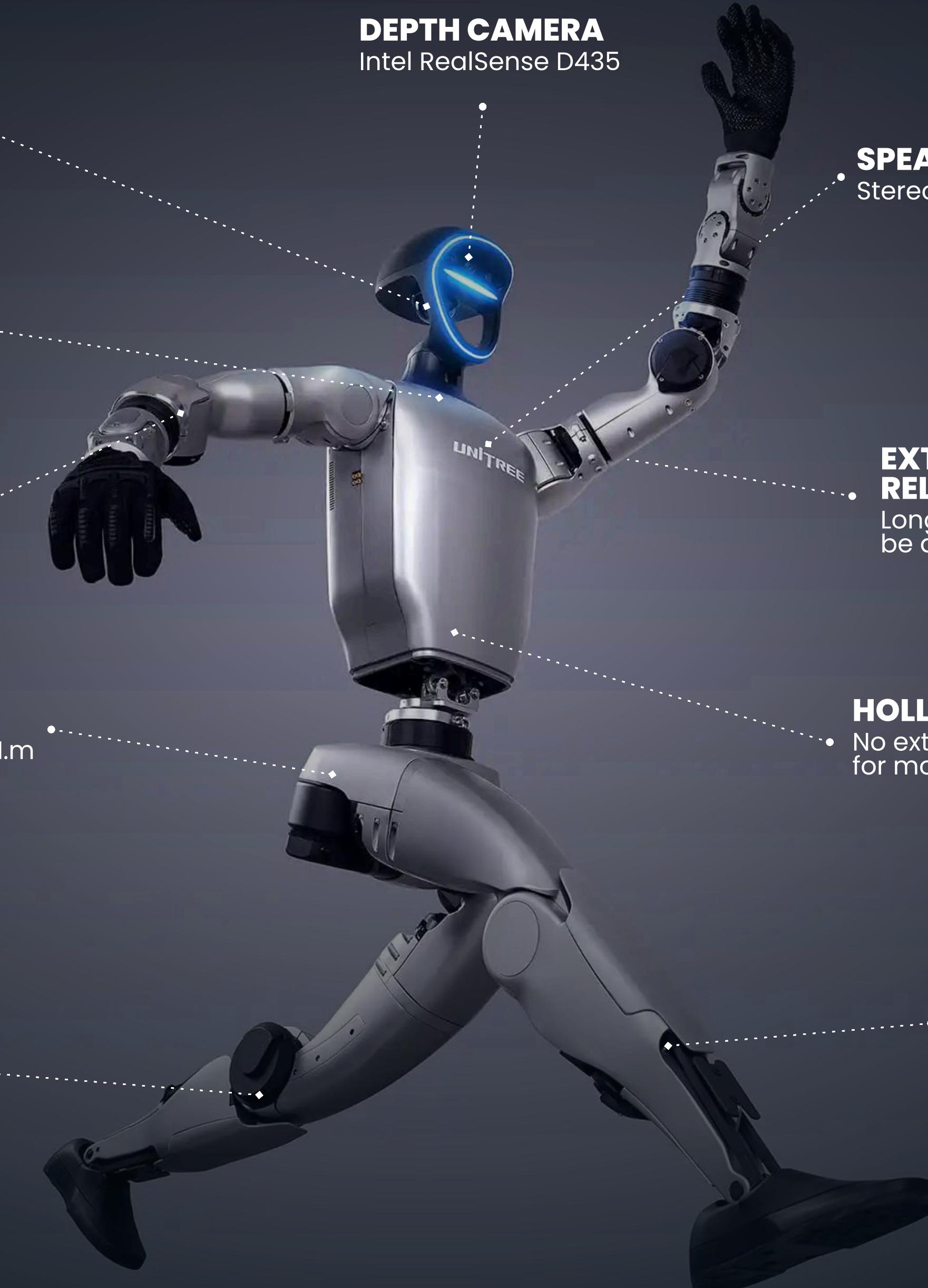
CORE MOTION MODULE
Maximum Torque at joints 120 N.m

ADVANCED MOBILITY
Dynamic movements up
to 2m/s

**EXTRA LARGE QUICK
RELEASE BATTERY**
Long lasting power that can
be quickly swapped.

HOLLOW JOINT WIRING
No external cables allowing
for movement with no obstruction.

SINGLE LEG D.O.F
Hip 3 + Knee 1 + Ankle 2



WHICH G1 IS RIGHT FOR YOU?

The G1 EDU series—Standard, Plus, Smart, and Ultimate—offers options to suit every educational need. From entry-level capabilities to advanced AI processing, there's a G1 EDU for every goal.

Compare models and find the perfect fit for your learning environment.

KEY FEATURES

LIFELIKE MOTION & ARTICULATION

The G1 features highly articulated joints, allowing for realistic and precise movements. It's perfect for simulating human-like tasks and motion studies.

ADVANCED AI CAPABILITIES

Equipped with cutting-edge AI for voice and visual recognition, enabling interaction with its environment and users in a dynamic and intelligent way.

MODULAR DESIGN

The G1 is designed to be modular, allowing educators and researchers to customize it for various experiments, applications, and tasks.

REAL-TIME PERCEPTION & PROCESSING

With powerful onboard computing and sensors, the G1 can process data in real time for tasks such as object recognition, navigation, and motion planning.

CUSTOMIZABLE SOFTWARE ECOSYSTEM

Supports multiple programming environments, including Python, ROS, and C++, making it accessible for both beginners and advanced users.

HUMAN-ROBOT INTERACTION

Designed for studies in interaction, the G1 can perform tasks like folding clothes, stacking objects, pouring liquids, and more, showcasing practical and research-driven applications.

G1EDU STANDARD



G1EDU PLUS



G1EDU ULTIMATE A



G1EDU ULTIMATE B



1270 x 450 x 200mm (Standing)

690 x 450 x 300mm (Folded)

Weight with Battery 35kg

Weight with Battery 35kg

Weight with Battery 35kg

Weight with Battery 35kg

Aluminum Alloy Construction

Aluminum Alloy Construction

Aluminum Alloy Construction

Aluminum Alloy Construction

Fast Charger + Manual Controller Included

2 Hour Battery Life

2 Hour Battery Life

2 Hour Battery Life

2 Hour Battery Life

Built in 3D LiDAR + Depth Camera

Connects to WiFi

Connects to WiFi

Connects to WiFi

Connects to WiFi

Local Air Cooling

Local Air Cooling

Local Air Cooling

Local Air Cooling

Advanced Spatial Computation Capabilities

Advanced Spatial Computation Capabilities

Advanced Spatial Computation Capabilities

Advanced Spatial Computation Capabilities

Powered by NVIDIA Jetson Orin 100 Tops

X

X

Hip mobility increased from 1 - 3 degrees of freedom

Hip mobility increased from 1 - 3 degrees of freedom

X

X

Single arm freedom upgraded from 5 - 7.

Single arm freedom upgraded from 5 - 7.

Both arms upgraded through the form below.

Both arms upgraded through the form below.

X

X

Equipped with 2 Dex3-1 force-controlled 3-finger dexterous hands.

Equipped with 2 Dex3-1 force-controlled 3-finger dexterous hands.

X

X

X

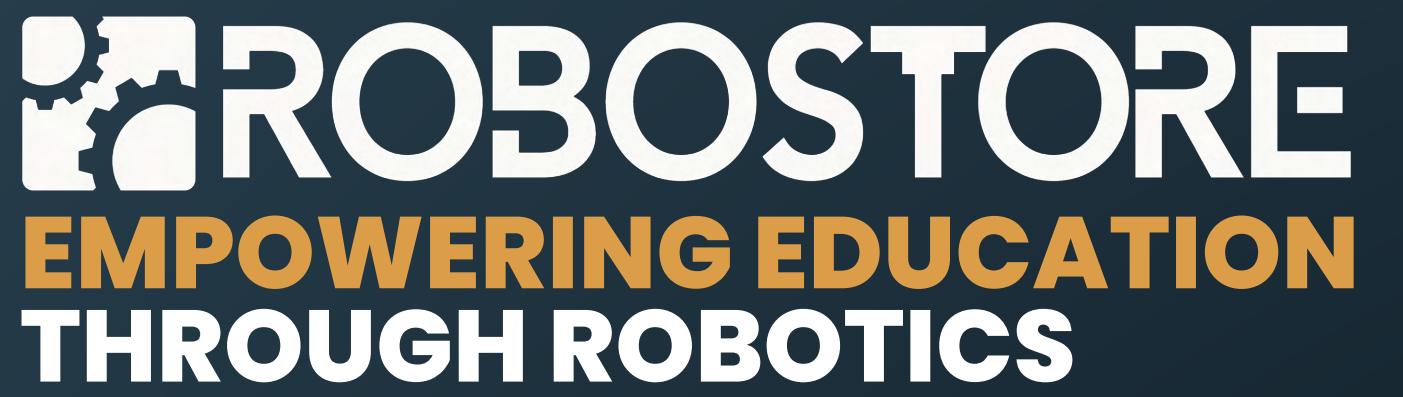
Included dexterous hands are equipped with tactile sensors.

X

X

Supports third party 5-finger dexterous hands from INSPIRE Robots

Supports third party 5-finger dexterous hands from INSPIRE Robots



**THANK
YOU!**

FOR MORE INFORMATION
Reach out to our team at
sales@robostore.com