GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · INDUSTRIAL HUMANOID

UBTECH Walker S2

New Generation Industrial Humanoid Robot

The world's first humanoid robot capable of autonomous battery swapping.

Presented by GateIn Technology · Exclusive UBTECH partner in Egypt



Walker S2 at a glance



Full size

Height 176 cm · weight 70 kg · 52 DOF · humanoid gait, walking 2 m/s.

Flexible waist

Pitch +90° to -35° · rotation ±162°.

Perception & interaction

LLM voice interaction · 4-inch circular facial display · 4 array microphones · 2 speakers.

Gen-4 industrial dexterous hands

11 DOF · 6 tactile sensor arrays · single-hand grasp 7.5 kg · finger grasp 1 kg.

Innovative materials

Rigid-flex composite, aerospace-grade aluminium, 3D-printed frame, 3D-knitted high-elastic fibre.

Autonomous battery swapping



3-minute autonomous battery swap

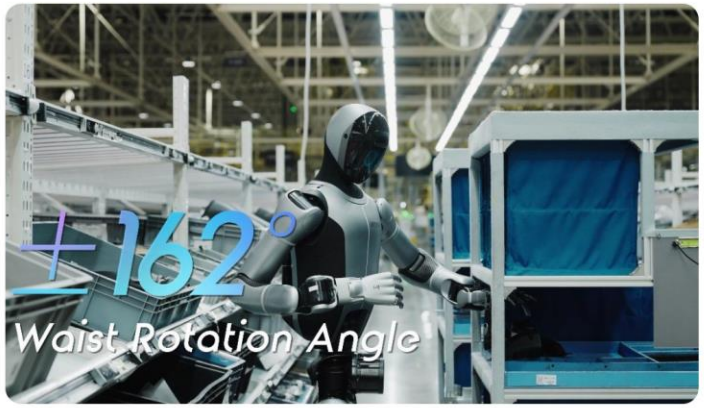
The world's first, enabling 24/7 continuous operation.



Intelligent power replenishment

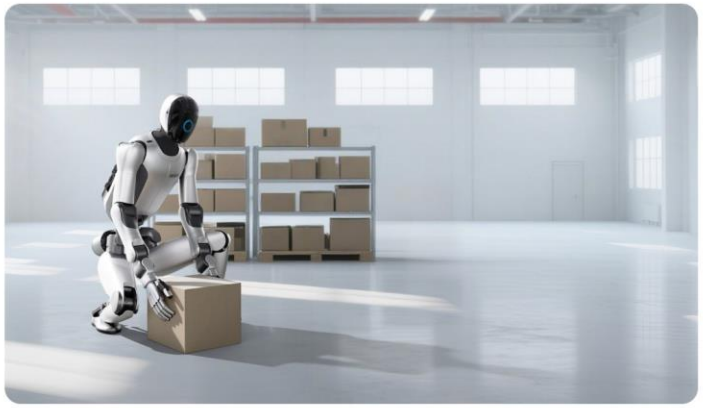
Dual/single-battery modes; real-time monitoring chooses swap or charge by task priority.

Motion & perception



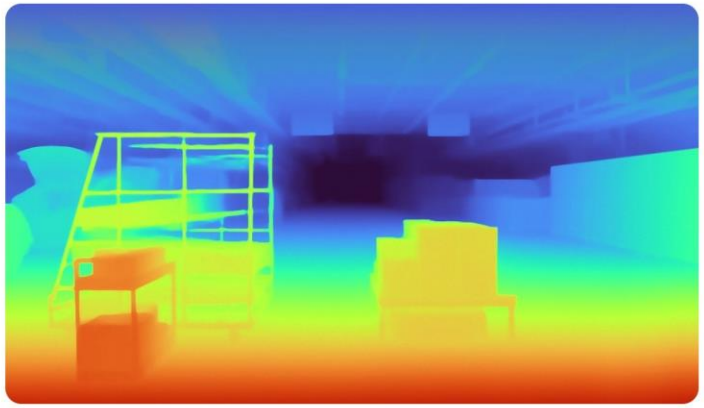
±162° waist rotation

Flexible waist for production-line tasks.



Deep squat & stoop lifting

Pitch to 170°, 15 kg payload within a 0–1.8 m workspace.



“Human-eye” binocular vision

Pure RGB stereo with deep-learning depth estimation for real-time dense depth maps.

Co-Agent & BrainNet 2.0

UBTECH Co-Agent

The world's first industrial agent for humanoid robots.

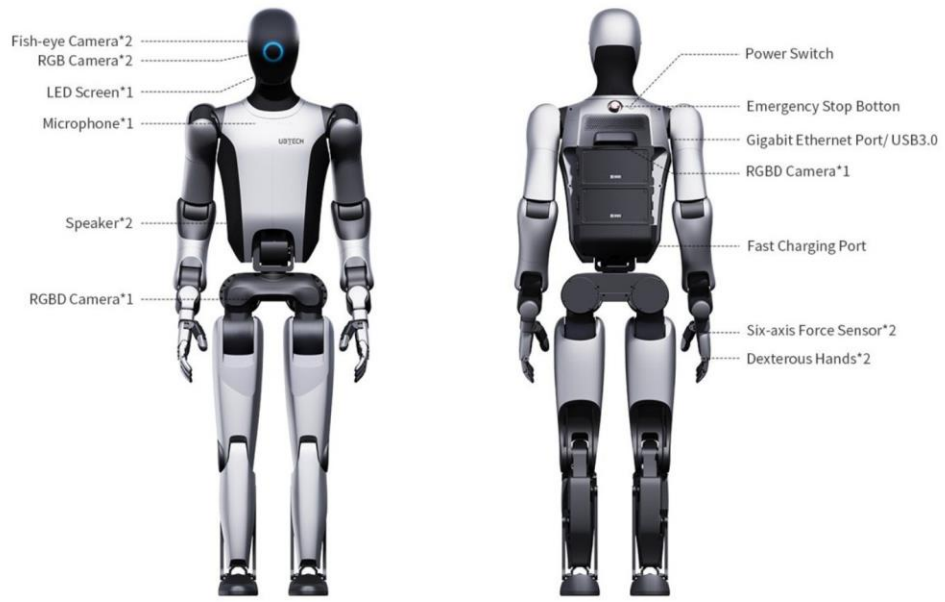
BrainNet 2.0 + Co-Agents

Together they build a dual-loop AI system.

Swarm intelligence

Production-line, task-driven swarm intelligence for humanoid robots.

Walker S2 product specifications



Front

Fish-eye camera × 2, RGB camera × 2, LED screen, microphone, speaker × 2, RGBD camera.

Back

Power switch, emergency stop button, Gigabit Ethernet / USB 3.0, RGBD camera, fast charging port.

Hands

Six-axis force sensor × 2 and dexterous hands × 2.

GateIn One accountable partner

We don't just ship the Walker S2. GateIn designs, supplies, installs, integrates and supports UBTECH solutions for universities, schools, government and industry, from the first plan to long-term support.

+120
ROBOTS SUPPLIED IN EGYPT
Industrial, service and educational

91
LABORATORIES
Across 45 institutions

+30
STRATEGIC & GLOBAL PARTNERS

5
YEARS OF DELIVERY
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An integrator, not a vendor.

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Let’s plan your Walker S2 deployment

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