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Data Collection Center
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AGIBOT Factory
Lin'gang Intelligent Manufacturing Park, Fengxian District, Shanghai

Product Brochure

AgiBot Innovation (Shanghai) Technology Co., Ltd

Create Unlimited Productivity via Intelligent Machines

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AGIBOT A3

AGIBOT A3 is a new-generation full-size humanoid robot launched by AGIBOT in 2026, positioned as a "silicon-based star born for the stage". Weighing only 55kg yet delivering 12kW of instantaneous power, it achieves an industry-leading power-to-weight ratio of 0.218 kW/kg, enabling high-difficulty maneuvers such as aerial walking. It features a model-grade physique with fully customizable appearance and roles. Its dual-battery design delivers 10-hour extended endurance, with fast battery swapping without shutdown. Additionally, every A3 comes standard with swarm control technology, enabling seamless coordination of hundreds of units. Combined with multimodal perception and other intelligent capabilities, it stands out as a top performer in entertainment and commercial performance sector.

Specifications

Height	Weight	Endurance	Power-to-Weight Ratio
173 cm	**55 kg**	**10 h**	**0.218 kW/kg (industry-leading, delivering exceptional burst performance)**

Battery	Packaging
Dual battery packs · 1152 Wh · Full-tab cells	**Standard UWB, single-unit accuracy <±10 cm**

Fleet Control	Network	Packaging
Supports precise coordination of 100+ units	**Dual-module 5G with dual-SIM support**	**Autonomous case loading and unloading; deployable by a single operator**

Highlights

Exceptional Performance, Extreme Lightweight

- 150 A maximum current, 12 kW power, and a 0.218 kW/kg power-to-weight ratio, comparable to million-dollar supercars. It can perform not only somersaults but also aerial walking
- Constructed with magnesium alloy, titanium alloy, and TPU flexible materials, creating an ultra-lightweight 55 kg body
- Natively compatible with LinkCraft, enabling everyone to freely create motions; with a rich content ecosystem for easy uploading and downloading

Extended Endurance, Instant Battery Swap

- Innovative dual-battery and full-tab cell technology, with industry-leading power management, delivering up to 10 hours of endurance
- Redundant dual-battery design for more stable and safer power supply
- Supports fast hot-swappable battery replacement for 24-hour continuous operation; 10-second battery swap makes range anxiety a thing of the past

Striking Design, Fully Customizable

- 173 cm golden ratio, model-grade head-to-body proportions, powerful on the inside with a refined, elegant exterior
- Slender limbs and graceful posture; highly versatile styling that suits any outfit, truly a "walking wardrobe"
- Supports customization from color film application to full housing customization, and also enables character design via LinkSoul to meet diverse customer customization needs

Superior Swarm Control, Hundreds in Sync

- Standard UWB centimeter-level fusion positioning solution enables coordinated swarm operation of hundreds of units out of the box, with no modifications required.

Enhanced Interaction, Seamless Communication

- Industry-first shoulder touch sensing redefines interaction in the embodied era; combined with voice and multimodal interaction for barrier-free communication and strong user affinity
- 360° omnidirectional audio pickup with multi-array microphones ensures clear recognition even in high-noise environments
- Standard 5G global connectivity: eSIM + SIM card (card slot SIM), with domestic LGA module and overseas M.2 modules, ensuring connectivity without limits

Reliable Platform, Easy Deployment

- Full-size humanoid robot that is portable by a single person; foldable packaging, autonomous case loading and unloading, and can be easily transported in an SUV.
- Inherits the excellent DNA of AGIBOT A2, having passed 92 automotive-grade rigorous tests before delivery, with a designed lifespan of up to 3 years
- Fully open interfaces support secondary development and are compatible with entertainment, commercial performances, scientific research, and education scenarios—one base, enabling endless possibilities

Application Scenarios

Commercial Performances

Top-tier dancers/martial artists, brand ambassadors, and dynamic art installations

Interactive Entertainment

Self-posing cosplayers, tech influencers in live streams, and themed park tour guides

Research and Education

Cutting-edge research in embodied AI

AGIBOT G Series

AGIBOT G2 | AGIBOT G2 Air

Scan to watch videos

AGIBOT G2

AGIBOT G2 is an industrial-grade interactive embodied operational robot, equipped with exceptional motion, perception, and interaction capabilities. It is suitable for industrial, commercial, home, and research scenarios. With high-performance joints, sensors, and domain controllers, AGIBOT G2 achieves omnidirectional obstacle avoidance, high-precision force-controlled operations, and multi-user intelligent interaction. With remote control and automatic charging dock kits, it supports data collection, teleoperation, and autonomous recharging. The system provides a rich set of SDK interfaces, supporting flexible expansion and deep customization to meet diverse scenario deployment needs.

Specifications

Total Degrees of Freedom (excluding end effector)	Head DoF	Arm DoFs	Single-Arm Rated Load	Arm Force Control	Max Movement Speed
26	**3**	**7**	**5 kg**	**Full Joint Torque**	**1.5 m/s**

Embodied Edge Computing Platform	Endurance	Sensor Configuration	Secondary development
NVIDIA Jetson T5000 2070 TFLOPS (FP4)	**4 h+**	**3 * fisheye cameras + 2 * 3D LiDARs + 8 * ultrasonic sensors + 3 * RGBD cameras + 1 * wide-angle binocular camera**	**Yes**

Highlights

Superb Operational Capabilities

- Powered by a high-performance chip with maximum computing power of 2070 TFLOPS (FP4)
- High-precision force-controlled dual arms for sub-millimeter accuracy operations
- RL toolchain, enabling deployment and task switching with few demonstrations

Multimodal Intelligent Interaction

- Supports continuous multi-user voice interaction and knowledge base Q&A
- Microphone array + high-power speaker
- Multicolor interactive facial display synchronized with facial expressions and body movements, enabling interaction with external devices.

Highly Flexible Motion Control

- 5-DOF waist-leg structure for easy navigation in narrow spaces
- 26-DOF body with optional 19-DOF dexterous hands
- Omnidirectional movement and crab-walking capabilities for enhanced mobility

Comprehensive Safety Assurance

- Active obstacle avoidance and collision force dissipation to reduce safety risks
- Data-driven intelligent decision-making for improved operational efficiency
- 360° perception with no blind spots

Ultra-Agile Remote Teleoperation

- Low-latency BVLOS teleoperation
- One-operator, multi-machine time-sharing operation

Extended Dual-Battery Endurance

- Hot-swappable dual batteries for uninterrupted operations
- Autonomous return-to-charge for rapid full recovery

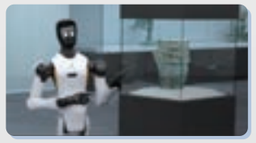
Application Scenarios

Industrial handling

Logistics sorting

Precision operations

Commercial guidance



Security inspection

Patrol inspection

Retail

Scientific research

AGIBOT G2 Air

AGIBOT G2 Air pioneers a new paradigm of "human-robot integration" for operation and data collection. Through its real-robot companion-style data collection mode, it enables simultaneous completion of high-frequency light-duty tasks and collection of high-quality multimodal training data in a single operation. This breaks the trade-off between efficiency and data quality in data collection, providing continuous, high-quality real-world data for the embodied AI data flywheel. Its "small, fast and agile" characteristics redefine lightweight operations in the field of embodied AI. Deeply adapted to spatial constraints and efficiency requirements of real-world scenarios, it navigates efficiently through complex routes and narrow passages, supporting high-frequency light-load operations in diverse settings such as convenience stores, supermarkets, industrial inspections, and hotel services.

Specifications

DOFs per Arm	Rated Load per Arm	Arm Span	Max Movement Speed	Min Passage Width	Endurance
7	**3 kg**	**750-800 mm**	**1.5 m/s**	**≥ 800 mm**	**4 h+**

Note: Specifications are for reference only, subject to final delivery.

Highlights

Integrated Operation and Data Collection

The "human-robot integration" real-robot companion-style operation mode enables simultaneous task completion and high-quality real-scene data collection, significantly reducing data collection costs and operational complexity

UMI Homogeneous Layout Design

It maintains a sensor layout consistent with UMI data acquisition devices, ensuring alignment between egocentric data and real-world robot data from the source.

Agile, Fast, Compact

Designed to meet the space constraints and efficiency requirements of real-world commercial scenarios, the overall dimensions are 660×680×1750mm. Its omnidirectional base allows for in-place turning within an 800mm wide passage. The joints are highly agile and responsive, closely matching human joint movement capabilities

Modular Computing Power Expansion

The main controller supports communication, video encoding, state management, basic navigation, teleoperation, and data collection. It also reserves a 10Gb Ethernet port for connection to high-performance computing platforms, enabling smooth operations from basic tasks to autonomous AI capabilities

Application Scenarios

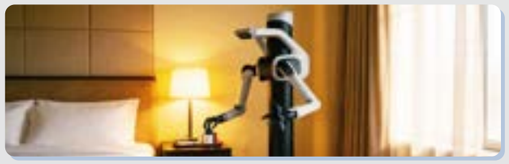
Convenience stores

Large supermarkets

Industrial tasks

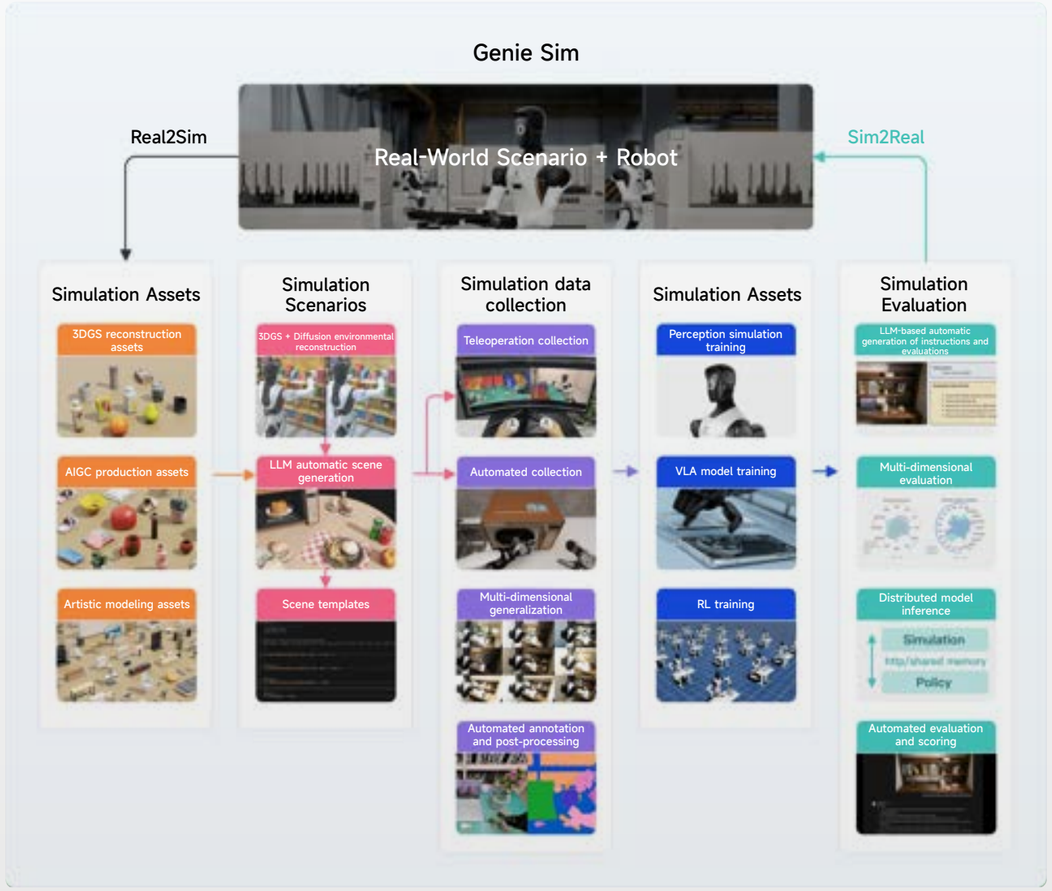
Data collection

Hotel services

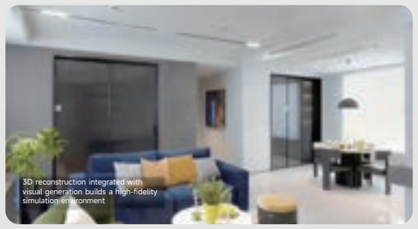


Genie Sim 3.0

Genie Sim 3.0 integrates 3D reconstruction and visual generation to create digital twin-level high-fidelity environments. It pioneers LLM-driven scene generalization technology, enabling generation of tens of thousands of scenes in minutes. It also open-sources a simulation dataset with over 10,000 hours of real robot operation scenarios, and builds a multi-dimensional intelligent evaluation system covering 100,000+ scenes to provide a comprehensive profile of model capabilities.



Five core highlights, ushering in a new era of embodied simulation



01

Digital Twin-Level High-Fidelity Simulation Environment

Genie Sim 3.0 integrates 3D reconstruction, visual generation, and a physics engine, achieving unified visual realism and physical accuracy.

- Precise reconstruction: MetaCam combines multiple sensors with RTK to achieve millimeter-level environment replication.
- Visual enhancement: Visual generation models synthesize new perspectives to enhance simulation realism.
- Asset generation: High-precision simulation models can be generated from a 60-second 360° capture video, improving modeling efficiency.

02

Pioneering Natural Language-Driven Scene Generation and Generalization

Genie Sim 3.0 supports natural language-driven, minute-level automatic generation and generalization of massive scenes.

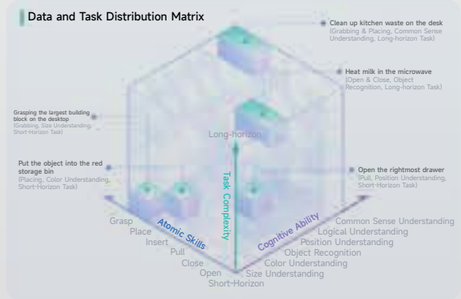
- Conversational creation: Input natural language instructions to automatically build structured simulation scenes.
- Intelligent editing and generalization: Supports conversational augmentation, detail adjustment and layout tuning to output target scenes.

03

Fully Open-Source Simulation Dataset and Efficient collection Solution

It provides the largest open-source dataset in the embodied AI field, covering more than 200 tasks and over 10,000 hours of operation, laying a solid data foundation for model development.

- Multi-dimensional data: Includes multi-sensor information such as RGB-D, binocular vision, and full-body joint states, covering diverse generalization conditions.
- Intelligent collection tools: Dual-mode collection + automatic annotation for effective data production.
- Error recovery mechanism: Automatic fallback and resume collection upon task failure to reduce data loss.
- Zero-shot Sim2Real: After training, simulation training can be transferred to physical machines with zero-shot, achieving better results than training with real-world data.

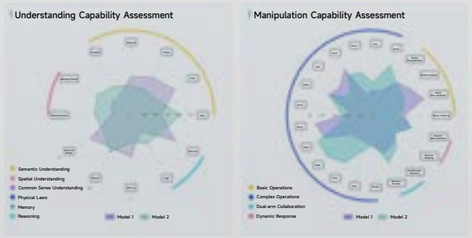


04

100,000+ Simulation Scenarios for Comprehensive Model Capability Profiling

Based on over 100,000 scenarios, a multi-dimensional evaluation system is established, integrating LLM and VLM technologies to map in-depth capability profiles for models from multiple dimensions. It is the most comprehensive and authoritative evaluation benchmark for embodied AI models in the industry today.

- Automated evaluation generation: LLM automatically generates evaluation instructions and converts them into executable workflows.
- Multi-dimensional in-depth evaluation: VLM conducts comprehensive evaluation from multiple aspects to clarify capability boundaries and optimization directions.
- Sim-to-Real consistency: The difference between simulation and physical evaluation is < 10%, enabling efficient validation without physical hardware.



05

Covers Real-World Operation Scenario Simulation

Built on AGIBOT's experience in large-scale commercial and industrial deployment, Genie Sim 3.0 is the first open-source platform that deeply integrates simulation data collection and evaluation for real-world operation scenarios, bridging the gap between laboratory algorithms and industrial implementation.

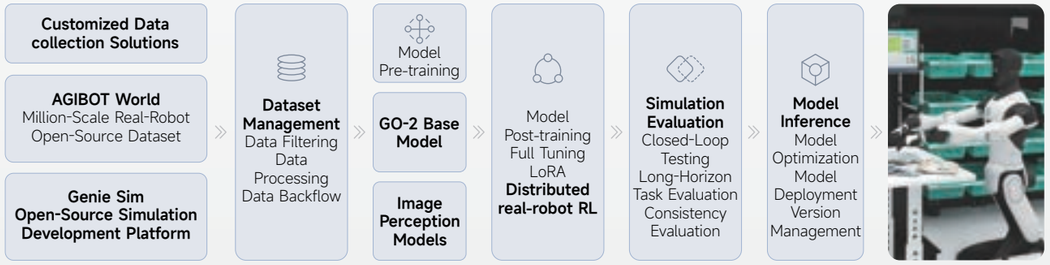
- Real-world scenario restoration: Covers industrial and commercial scenarios such as supermarkets, logistics, power grids and production lines.
- Full-process simulation validation: Rapid generates data and evaluations to reduce costs and improve efficiency, enabling zero-hardware deployment validation.

Genie Studio

One-Stop Development Platform for Embodied Models

Designed for robotics industry bases, research institutions, and enterprises, compatible with the entire AGIBOT G series, this full-process platform integrates data assets, data processing, data annotation, dataset generation, model training, simulation evaluation, and intelligent deployment, accelerating the commercial deployment of embodied AI in industrial, logistics, security, and tour guide scenarios.

Genie Studio One-Stop Development Workflow



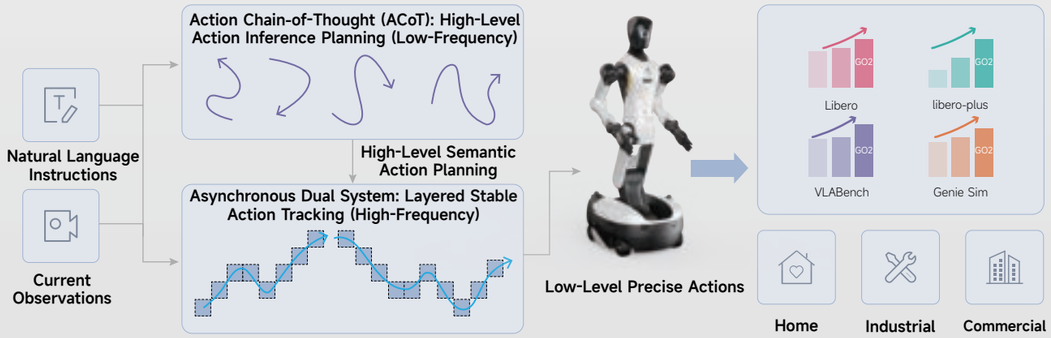
Distributed Real-Robot RL

Distributed real-robot RL is a reinforcement learning training framework that supports multiple RL algorithms and task structures. It provides unified support for generalized model output across multiple robots, platforms, and scenarios, enhancing large-scale real-robot RL training capabilities. It's deeply integrated with our proprietary training framework and the Genie Studio platform, creating an end-to-end real-robot training pipeline.

- High Usability: Simple to use, allowing for one-click training node configuration and model training on the Genie Studio platform.
- High Reusability: Meets multi-model, multi-business, and multi-algorithm needs, reducing redundant engineering work.
- High Expandability: Unifies scheduling of training, inference, and environmental computing resources, supporting elastic expansion and efficient data transfer.

GO-2 Embodied Base Model, Defining a New Height of "Unity of Knowledge and Action"

The GO-2 embodied base model completes high-level action inference through an Action Chain-of-Thought (ACoT), enabling robots to understand how to generate "executable" work plans, which are then stably executed in real environments through an asynchronous dual-system. In this way, the GO-2 embodied base model employs an asynchronous dual-system design featuring low-frequency planning + high-frequency tracking, enabling robots to maintain planning stability while achieving precise and robust action control.



Genie Studio Agent

A Low-Code Agent Application Platform Designed for Embodied Operation Scenarios

This platform provides out-of-the-box standardized solutions, supporting one-stop robot application deployment. It serves as the software infrastructure for the entire robot lifecycle—from development to deployment and from operation to optimization, covering capabilities such as VLA, reinforcement learning, visual perception, motion control, and navigation. It enables non-technical personnel to easily configure and deploy robot applications, significantly lowering the entry barrier for embodied AI.

Intelligent Task Orchestration for Simplified Development

Users and partners can independently build robot applications via workflows combined with RL, VLA, and perception model toolchains. Workflows support multiple trigger modes, scheduled tasks, and multi-robot collaborative operations; The platform supports simulation and physical-robot debugging, allowing for real-time viewing of robot health status and task execution progress.

Simulation Editing and Trial Run, "Rehearsing" Real Production in 3D Virtual World

A Built-in 3D scene reconstruction and simulation system allows users to complete full-scale rehearsals in virtual environments before actual deployment. All risks and collisions are mitigated in advance in the simulation environment, significantly reducing on-site commissioning time and trial-and-error costs.

Intelligent Operation Platform

Robot Supervision

Unified monitoring of device status and task progress, enabling rapid identification of anomalies and tracking of critical events

Data Operation

Aggregates data across the entire operation chain and outputs key industrial KPIs by production line, process, and equipment, driving operational decision-making

Teleoperation Takeover

Remote intervention for anomalies or emergencies with real-time device audio/video streaming; supports full audit trails, permissions configuration, and post-event auditing

Data Backflow Visualization

Feeds failure data from operations back into training and simulation phases,, forming a data closed-loop to support continuous model iteration

AGIBOT X Series

AGIBOT X2 Ultra | AGIBOT X2 | AGIBOT X2 REC

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AGIBOT X2 Ultra

AGIBOT X2 Ultra features powerful capabilities in motion, interaction, and task intelligence. It is tailor-made for guided tours and retail, guided performances, or research & education scenarios, with a variety of optional configurations, enabling broader scenario expansion and flexible application exploration.

Specifications

Height	Weight	Intelligent Perception	Total DOFs	DOFs per Arm	Max End Effector Payload
131 cm	**39 kg**	**Interactive RGB Camera + Binocular RGB Camera + RGBD Camera + LiDAR + Rear Camera**	**30**	**7**	**3 kg**

Max Walking Speed	Battery Capacity	Endurance	Proactive Interaction	High-Performance Computing Module	Secondary Development
2 m/s	**500 Wh**	**2 h**	**Supported**	**NVIDIA Orin NX 16GB**	**Yes**

Highlights

Extensive Optional Configurations:

End effectors | Charging dock | BVLOS teleoperation

- Flexible end effector configuration: Optional dexterous hands and grippers to meet operational needs and adapt to customized application scenarios
- Autonomous recharging: Optional charging dock, enabling autonomous navigation and path planning for automatic return and recharging, forming a closed-loop operation
- BVLOS teleoperation: Optional VR teleoperation accessories, enabling zero-latency audio-video synchronization for BVLOS remote operation and remote avatar applications

Autonomous Intelligence:

Efficient mapping | Navigation & obstacle avoidance | Autonomous explanation and Q&A

- Multi-dimensional mapping: Equipped with RGBD cameras, interactive RGB cameras, binocular RGB cameras, rear RGB cameras, and LiDAR; a single mapping process enables deployment for exhibition hall guidance
- Route planning and obstacle avoidance: Equipped with autonomous path planning and navigation with obstacle avoidance, capable of detecting both dynamic and static obstacles
- Proactive greeting, explanation, and Q&A: Supports facial recognition and proactive greeting for strangers, knowledge base Q&A, and multilingual explanation, as well as 30+ facial expressions and a wide range of explanatory gestures, enabling an integrated "greeting - explanation - Q&A" service
- Effortless customization: Built-in exhibition hall presentation toolchain, enabling zero-threshold creation and editing of explanation actions and scripts, with support for customizable expressions, motions, voice, walking speed, duration, positioning, and motion sequencing
- Compatible with LinkCraft: Zero-code training for motion control, enabling action imitation, voice narration, and group control and coordinated performance
- Compatible with LinkSoul: Interaction customization with personalized robot personas, wake words, voice tones, and more supporting customized business application requirements

Application Scenarios

Store Greeting and Retail Guidance

Dynamic interaction, customer greeting, and personalized shopping assistance

Customer Attraction and Guidance

Customer attraction and interaction, queue management, and autonomous customer guidance

Research and Education

Rich interfaces for secondary development and a stable robotic platform

AGIBOT X2

AGIBOT X2 is a half-size humanoid robot engineered for entertainment and commercial performance scenarios, delivering exceptional cost-performance. It supports a wide range of full-body motion switching, with rich motion capabilities and multiple preset actions. It features strong multimodal interaction, proactive interaction, and customizable interaction capabilities, and adopts a flexible material shell with a compact, lightweight structure, ensuring safe and reliable operation.

Specifications

Height	Weight	Intelligent Perception	Total DOFs	DOFs per Arm	Max End Effector Payload
131 cm	**35 kg**	**Interactive RGB Camera**	**25**	**5**	**3 kg**

Max Walking Speed	Battery Capacity	Endurance	Proactive Interaction	Computing Module	Built-in Motion Skills
2 m/s	**500 Wh**	**2 h**	**Supported**	**RK3588 (motion control) RK3588S (interaction)**	**Yes**

Highlights

Dynamic Interaction:

Customized interaction | Multimodal interaction | Facial expressions | Touch feedback

- Customized interaction: Compatible with LinkSoul, enabling personalized configuration of robot persona, wake words, voice tone, and more, supporting customized business application needs
- Proactive multimodal interaction: Equipped with environment recognition, human facial recognition, gesture recognition, and body movement recognition, enabling extended capabilities such as proactive greeting and handshake interactions
- Animated expressions: Over 30 facial expression animations, effectively conveying the robot's status
- Touch feedback: Supports head-touch-triggered voice interaction feedback
- Diverse interactive skills: Supports multilingual interaction, motion control commands, singing, Chinese idiom chain games, and ancient poetry recitation, enabling engaging and dynamic interactions

Rich Motion Control:

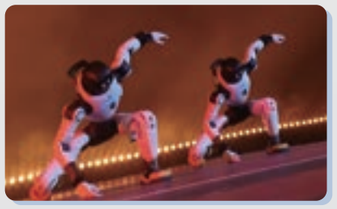
Full-body motion | Self-righting from lying position | Motion generation | Motion choreography

- Diverse preset motions: 20+ preset motions with human-like and agile movement, enabling easy deployment
- Single-person operation: Supports full-body motion transitions such as self-righting from lying and sit-to-stand; with control via remote or mobile app, enabling single-operator deployment
- Compatible with LinkCraft: Zero-code training for motion control, enabling action imitation, voice narration, etc.
- Fleet control toolchain: Supports coordinated performance across multiple robots, enabling more efficient and flexible group choreography
- Premium performance resources: Offers trendy dance routines, high-energy martial arts, and advanced stunt performances, providing one-stop support for entertainment and commercial performance scenarios

Application Scenarios

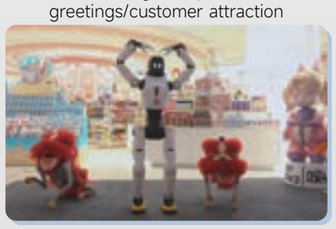
Cultural & Entertainment Tourism

Full-body dance / martial arts and stunts



Customer Attraction

Welcoming host/proactive greetings/customer attraction



IP Ambassador

Interaction customization/skin customization

AGIBOT X2 REC

AGIBOT X2 REC is purpose-built for data acquisition scenarios, equipped with extensive teleoperation devices and supporting integration with Genie Studio, providing a one-stop "acquisition–training–testing–deployment" data acquisition solution. It enables robots to learn while executing tasks in real-world environments, efficiently collecting high-quality data and accelerating the R&D iteration and real-world deployment of embodied intelligence models.

Specifications

Height	Weight	Intelligent Perception	Total DOFs	DOFs per Arm
131 cm	**40 kg**	**Interactive RGB Camera + Binocular RGB Camera + Head RGBD Camera + LiDAR + Rear Camera + Wrist RGBD Camera**	**30**	**7**

End Effector	VR Teleoperation	Max End Effector Payload	High-Performance Computing Module
OmniHand OmniPicker 3	**VR Headset + Handheld Controller + Motion Tracking Sensor**	**3 kg**	**NVIDIA Orin NX 16 GB**

Highlights

Full-Body Teleoperation:

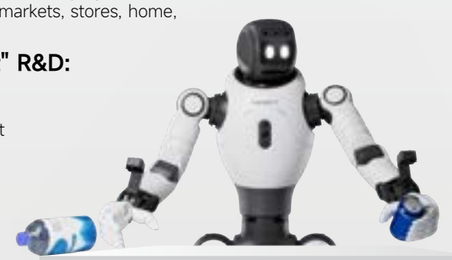
Full-body motion control foundation model | Multi-end-effector compatibility | Rich perception matrix | Data acquisition 2.0

- Full-body motion control foundation model: Unified coordination of upper limbs, lower limbs, torso, and end effectors, enabling more natural teleoperation and more stable task execution
- Multi-end-effector compatibility: Supports dexterous hands or grippers, compatible with homogeneous and heterogeneous data acquisition setups, balancing fine manipulation, general grasping, and task expansion capabilities
- Rich perception matrix: Integrates multiple sensors, including RGB cameras on the head, chest, and back, RGBD cameras on the head and wrists, LiDAR, and IMU, supporting environment perception, motion capture, localization and navigation, and fine manipulation
- Data acquisition 2.0: The industry's first half-size humanoid data acquisition solution deployable in real-world scenarios, supporting full-body control, single/multi-person data acquisition across supermarkets, stores, home, and other application scenarios

Closed-Loop "Acquisition - Training - Testing - Deployment" R&D:

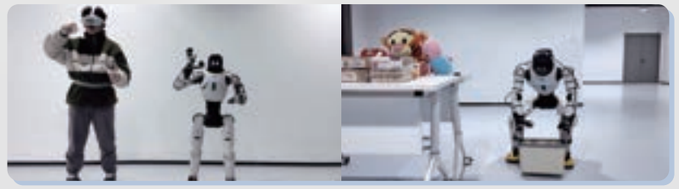
One-stop platform | BVLOS data acquisition | Large-scale training

- One-stop platform: Integrates with the Genie Studio embodied AI development platform, providing full-stack capabilities across data acquisition, training, simulation, and deployment
- BVLOS data acquisition: Supports both line-of-sight and BVLOS data acquisition via a self-developed VR app, enabling cross-space and long-distance data acquisition
- Large-scale training: Million-scale real-world and simulation datasets, covering 100+ real-world scenarios across five major industries, enabling end-to-end workflows for model training, fine-tuning, quantization, and deploymen

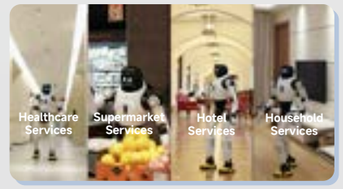


Application Scenarios

Data Acquisition in the Data Collection Site



Real-World Data Acquisition and Application



AGIBOT D1 Series

D1 MaxPro | D1 Max | D1 Ultra | D1 Ultra-W | D1 Pro | D1 Edu

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D1 MaxPro

AGIBOT D1 MaxPro is a quadruped robot featuring superior payload capacity and exceptional mobility. It is equipped with reinforcement learning-based motion control algorithms, enabling all-terrain adaptability. Built-in autonomous patrol and environmental perception modules allow it to handle industrial inspection and emergency rescue scenarios with ease.

Specifications

Weight	Load Endurance	Rated Payload	Continuous Stair-Climbing Height	Max No-Load Speed	Max Climbing Angle
68 kg	**2 h**	**50 kg**	**30 cm**	**3 m/s**	**45°**

Highlights

Upper payload

- Supports sustained payloads of up to 50 kg, meeting the demands of heavy-duty, heavy-load transport, and material handling scenarios

Guaranteed Endurance

- Equipped with a 2160 Wh high-capacity battery to work continuously for 2 hours at the rated payload, or for 5.5 hours underload, delivering better performance compared to similar products
- Supports quick battery swapping and optional autonomous charging dock

Exceptional Mobility

- Highly agile with strong adaptability across diverse terrains
- Capable of climbing continuous stairs up to 30 cm and open-riser industrial stairs, with a proven mechanism for self-righting after falls

Robust Environmental Adaptability

- IP67-rated industrial protection, enabling stable operation in temperatures ranging from -20°C to 55°C
- Reliable performance under extreme weather conditions, ensuring stable operation in harsh environments

Application Scenarios

Logistics and Transportation

Heavy-payload operations

Firefighting and Emergency Response

Fire detection, emergency communication

Industrial Inspection

Meter reading, defect detection, and abnormal temperature sensing

D1 Max

AGIBOT D1 Max features a lightweight design, high payload capacity, long endurance, robust protection, and agile yet stable locomotion. Powered by an embedded reinforcement learning motion model, the robot demonstrates exceptional robustness with capabilities such as impact resistance, disturbance rejection, self-righting after falls, and dynamic self-adaptation. It is equipped with a comprehensive perception suite, including vision, LiDAR, ultrasonic, and IMU sensors, which enables advanced functions like environmental reconnaissance, autonomous navigation, and target recognition.

Specifications

Weight	Load Endurance	Battery Module Capacity	Continuous Stair-Climbing Height	Max Speed	Max Climbing Angle
41 kg	**3.5 h**	**10 Ah*2**	**25 cm**	**8 m/s**	**45°**

Highlights

Enterprise-Grade Reliability

- More durable, robust, and environmentally resistant, supporting all-weather stable deployment
- IP67-rated protection, designed for long-term operation in outdoor and industrial environments, effectively reducing equipment downtime and maintenance costs

Enhanced Task Endurance

- Over 5 hours of endurance underload and stable 3.5 hours under rated payload
- Operating Range of over 29 km underload and no less than 18 km under rated payload
- Reduces manual intervention, enhancing continuous and sustained operation capabilities

Superior Payload Platform Capabilities

- Reliable under heavy loads with long-term stable performance, supporting multi-industry upper payload requirements
- Rated payload of 25 kg and maximum payload of 150 kg, enabling reliable performance across diverse tasks
- Equipped with a wide range of communication, power, and control interfaces, supporting flexible secondary development and in-depth industrial integration

Enhanced Mobility

- Fast response, broad operational coverage, and high operational efficiency
- Max movement speed of 8 m/s, enabling faster response, broader coverage, and higher operational efficiency
- Max climbing angle of 45° and obstacle-crossing height of 80 cm, enabling easy handling of complex terrain and improving task success rates

Ideal for Scalable Deployment

- Features a dual-battery hot-swappable design, minimizing downtime and improving long-duration operational capability
- Intelligent wheel/leg mode switching: Wheel mode offers stable and efficient movement with extended endurance, while leg mode provides superior terrain adaptability for multi-scenario operations

Application Scenarios

Industrial Inspection

Meter reading, defect detection, and abnormal temperature sensing

Security Patrol

Threat inspection, on-site management, and critical point deployment

D1 Ultra/Ultra-W

AGIBOT D1 Ultra/Ultra-W is a compact, swift, and highly agile robot. Powered by an embedded reinforcement learning-based motion algorithm, it autonomously adapts to various types of ground surfaces, achieving all-terrain locomotion. It is widely used in scenarios such as security patrol, research & education, and interactive entertainment.

Specifications

Ultra

Protection Rating	Weight	Load Endurance	Operating Range	Continuous Stair-Climbing Height	Rated Payload
IP54	**16 kg**	**1 h**	**6 km**	**16 cm**	**5 kg**

Ultra-W

Protection Rating	Weight	Load Endurance	Operating Range	Max Climbing Height	Rated Payload
IP 54	**22 kg**	**1 h**	**9 km**	**60 cm**	**5 kg**

Highlights

Reliable and Robust Dustproof and Water-Proof Architecture Designed per Strict Standards

- High dust and water protection levels, capable of handling splashes, moisture, mud, and dusty environments with ease
- Aluminum alloy vacuum die-casting process featuring a lightweight structural design
- Core components treated with sealed protection and anti-corrosion treatment

Powerful Mobility for Complex Terrain

- RL-based gait control, enabling adaptability to complex terrains and diverse ground surfaces, with self-balancing, anti-tipping, and disturbance rejection capabilities

Ultra Ultra-W

High-Performance Motor with High Torque, Impact Resistance, and Calibration-Free Operation

- Peak torque of 48 N·m, delivering high torque output for complex terrains and high-load operations
- Validated through millions of impact tests, ensuring long module lifespan, strong impact resistance, and suitability for high-intensity multi-scenario applications
- Equipped with a dual-encode controller, eliminating the need for zero-position calibration and enabling immediate operation upon startup

Flexible Development with Modular and Payload Adaptation

- Standardized interfaces support integration with various payload modules for multi-scenario application development
- Open SDK for secondary development, supporting upper payload integration

Application Scenarios

Security Patrol

Threat inspection, on-site management, and critical point deployment

Pipeline Corridor Inspection

Cable temperature measurement and outer sheath damage detection

Educational Research

Comprehensive technical support to help users build robotic research system models

D1 Pro/Edu

AGIBOT D1 Pro/Edu is a compact, swift, and highly agile robot. Powered by an embedded reinforcement learning motion algorithm, it autonomously adapts to various types of ground surfaces, achieving all-terrain locomotion, and supports secondary development and personalized customization.

Specifications

Weight	Endurance	Rated Payload	Continuous Stair-Climbing Height	Max Speed	Vertical Jump Height
15.5 kg	**1-2 h**	**5 kg**	**16 cm**	**3.5 m/s**	**35 cm**

Highlights

Powerful Mobility for Complex Terrain

- RL-based gait control, enabling adaptability to complex terrains and diverse ground surfaces, with self-balancing, anti-tipping, and disturbance rejection capabilities

High-Performance Motor with High Torque, Impact Resistance, and Calibration-Free Operation

- Peak torque of 48 N·m, delivering high torque output for complex terrains and high-load operations
- Validated through millions of impact tests, ensuring long module lifespan, strong impact resistance, and suitability for high-intensity multi-scenario applications
- Equipped with a dual-encode controller, eliminating the need for zero-position calibration and enabling immediate operation upon startup

Flexible Development with Modular and Payload Adaptation

- Standardized expansion interfaces for secondary development and personalized modification

Application Scenarios

Commercial Performances

Group performances, paid rentals

Interactive Entertainment

Playful combat demonstrations, jumps, backflips, forward leaps, and bipedal standing

Educational Research

Comprehensive technical support to help users build robotic research system models

* Secondary development features are available only in the D1 Edu version

AGIBOT OmniHand Series

Scan to learn more

OmniHand 3 Lite

OmniHand 3 Lite is a dexterous hand built with hyper-durable, user-friendly materials, delivering exceptional robustness. The entire hand has undergone multiple testing, including pendulum impact tests and multi-angle high-drop tests, ensuring excellent impact resistance and reliability. It enables robots to perform intense dynamic movements, such as one-handed cartwheels with ground support. Additionally, it is natively compatible with data acquisition devices and offers an open-source kit version along with a supporting toolchain, enabling rapid integration and secondary development.

Specifications

DoF	Weight	Dimensions	Control Modes
4 active + 3 passive	**350 g**	**140 * 70 * 24 mm**	**Position control, hybrid force-position control**

Repetitive Positioning Accuracy	Opening/Closing Time（Typ.）	Communication Interface
± 0.5 mm	**0.5 s**	**CAN-FD/RS485**

Highlights

Ultra-compact. Exceptional value.

- The smallest dexterous hand in the industry—mouse-sized and only 350g. Effortlessly performs everyday gestures like thumbs-up, fist, and high-five, making it the ideal standard for next-generation humanoid robots.

Industrial Level Reliability, Designed for Real-World Scenarios

- Built with impact-resistant materials and a highly stable structural design, it enables robots to move freely —from dynamic actions like hand-supported cartwheels to everyday household tasks such as opening doors and handling dishes. Ready to use, out of the box, and built to last.

A full-stack data-collection ecosystem, designed for developers.

- Natively compatible with Dex-UMI data-collection systems, with optional wrist-mounted camera support. Open-source kit and developer-friendly integration is also available.

Application Scenarios

Service and Interaction

Gestures Interaction Supported

Light-Duty Tasks

Pick-and-place | Tool use

OmniHand

As the industry's only compact, high-DoF commercial dexterous hand, it delivers universal compatibility across humanoid robots and greatly enhances interactive capabilities.

Specifications

DoF	Weight	Dimensions	Payload Capacity
10 active + 6 passive	**510 g**	**180 * 85 * 38.5 mm**	**Five-finger gripping strength ≥5 kg**

Arrayed Sensors	Force Perception Type	Array Resolution	Communication Interface
300 + taxels (w/Tactile)	**Fingertips + palm + back of hand: 1D force**	**0.1 N (w/Tactile)**	**CAN-FD/RS485**

Highlights

Compact and Lightweight

- Adaptive to humanoid robots of various models

Adaptive Interaction

- More human-like gesture interaction, covering all common gestures plus an exclusive back-of-hand touch interaction

Safe and User-Friendly

- Over 300 force-sensing taxels across the hand and an anti-pinch design for safer interaction

Application Scenarios

Interactive Services

Gesture interaction, rock-paper-scissors games, touch interaction

Research and Education

Mobile manipulation, algorithm training

Light-Duty Tasks

Object grasping, document delivery, etc.

OmniHand Pro

As a highly integrated all-around dexterous hand, it combines a compact, lightweight form factor with impressive load capacity, precision, speed, and multi-dimensional tactile sensing to enable intelligent task execution.

Specifications

DoF	Weight	Dimensions	Maximum Fingertip Force
12 active + 7 passive	**820 g**	**207 * 98 * 56 mm**	**20 N (Typ.)**

Force Perception Type	Array Resolution	Communication Interface	Compatibility
3D force sensing on all fingertips	**0.1 N**	**CAN-FD**	**Compatible with mainstream robots and robotic arms**

Highlights

Human-Like Dimensions

- 19 DoF, only 820 g - the smallest, lightest, and most human-like dexterous hand in its class

Multi-tasking

- Optimized configuration for easy manipulation of tools, with a single-finger force of up to 20 N

Superior Sensing

- Multi-modal sensing (position, normal force, tangential force) with 0.1 N-level high sensitivity, powered by AI algorithms

Application Scenarios

Research and Education

Imitation learning | Reinforcement learning

Industrial Automation

High-intensity precision tasks | Grasping and sorting | Flexible automation

Data Acquisition and Teleoperation

Data acquisition | Algorithm training | Imitation and reinforcement learning

OmniPicker 3

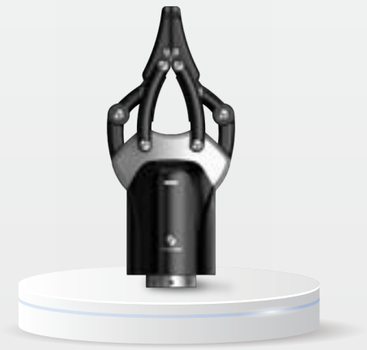
OmniPicker 3 is an industrial-grade adaptive gripper designed for embodied intelligence applications. With comprehensive hardware and structural upgrades, it delivers over 100N of gripping force, supports 1 million full cycles, and enables high-precision force control. It also supports integration with depth or fisheye cameras. Engineered for cost-effective scalability, it provides industrial-level performance and reliability.

Specifications

Weight	Max Force	Max Stroke	Min Force
800 g	**140 N**	**120 mm**	**1-2 N**

Maximum Payload	Repetitive Positioning Accuracy	Absolute Positioning Accuracy	Communication Interface
5 kg	**±0.1 mm**	**0.5 mm**	**CAN-FD/RS485**

Highlights



Adaptive Grasping

- Compatibility with both standard items and irregular items, quick material changeover, and improved flexibility

Tactile and Force-Controlled Capabilities

- High tactile coverage with precise force control, supporting open data acquisition.

High Value × High Stability

- Industrial scalable cost and deployment-ready performance under industrial-grade strength and lifetime standards.

Application Scenarios

Industrial and Logistics

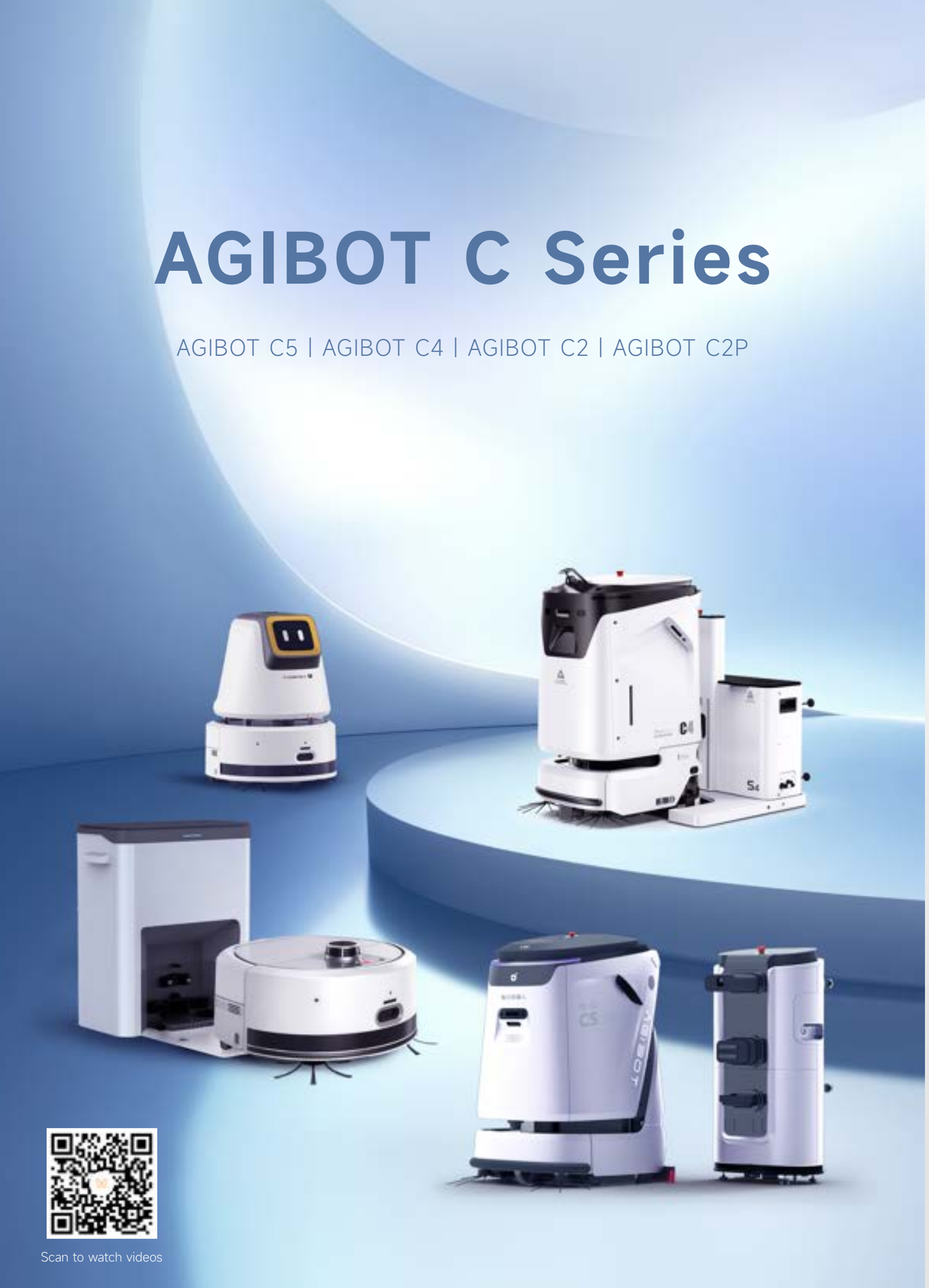
Grasping

Data collection

Grasping data and force control data

AGIBOT C Series

AGIBOT C5 | AGIBOT C4 | AGIBOT C2 | AGIBOT C2P



Scan to watch videos

AGIBOT C5

AGIBOT C5 is our first intelligent cleaning robot for mid-to-large scale indoor environments, integrating sweeping, scrubbing, and dry mopping into a single, versatile unit. It comes with an advanced multi-sensor system that fuses LiDAR and visual perception, enabling it to effortlessly navigate diverse and complex environments. The fully automated station supports Auto Charging, Auto Refill & Drain, and Dirty Water Tank Self-Cleaning, drastically reducing maintenance efforts. AGIBOT C5 delivers a higher quality clean while lowering labor costs, offers data-driven insights to operations, and provides a smart, effortless experience – perfectly supporting the move towards smart property management.

Specifications

AGIBOT C5

Debris Pickup Rate	Total Weight	Dirty Water Tank Self-Cleaning	Battery Specifications	Max Cleaning Efficiency	Operating Noise
95 %	**170 KG**	**4 min**	**24 V, 80 Ah**	**1,980 m²/h**	**<68 db(A)**

Fan Lifespan	Extra-Large Water Tank Capacity	Scrubbing Endurance	Downforce Pressure	Scrubbing Width
10,000 h	**90 L**	**3 h**	**25 kg**	**550 mm**

Station

Water Tank Capacity	Clean Water Refill Speed	Dirty Water Drain Speed	Max Power	Rated Input Voltage
8 L	**7–10 L/min**	**10–15 L/min**	**1,800 W**	**200–240 V**

Highlights

Dual-roller brush system that combines sweeping and scrubbing; high water flow and downforce pressure for tackling stubborn stains in a single pass.

Precision edge cleaning with missed spot detection, ensuring total, corner-to-corner coverage

A pioneering dual-chamber squeegee design, minimizing water residue in crevices for a drier finish

Premium components, featuring a fan with a 10,000-hour lifespan, ensure the lowest possible life-cycle costs.

Scrubbing width: 550 mm; theoretical cleaning efficiency: up to 1,980 m²/h

LiDAR + visual perception positioning, offering excellent adaptability in various scenarios

Simple maintenance: Industry-first self-cleaning dirty water tank, cutting the daily maintenance time in half

Auto Charging, Auto Refill & Drain, and Dirty Water Tank Self-Cleaning, combined with access control and elevator integration, achieving a high level of unmanned operation

Application Scenarios

Factories

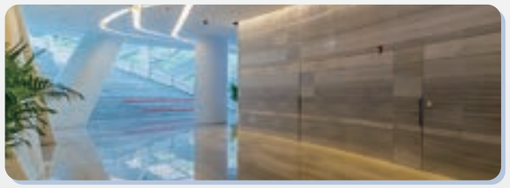
Transportation Hubs

Commercial Complexes

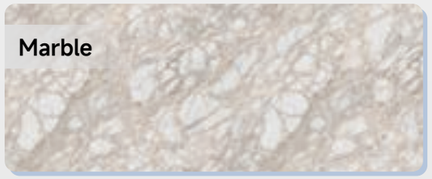
Large Supermarkets

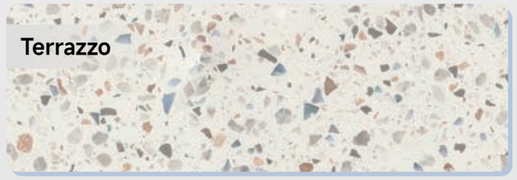
Medical & Education Systems

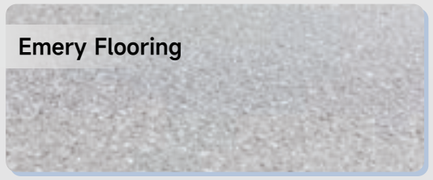
Lobbies

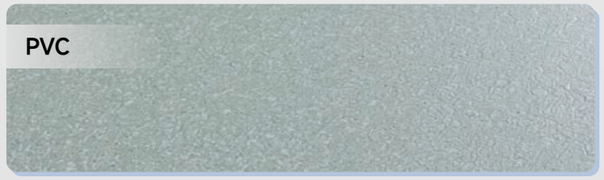


Compatible Surfaces









AGIBOT C4

AGIBOT C4 is our intelligent cleaning robot for small-to-mid scale indoor environments, integrating sweeping, scrubbing, and dry mopping into a single, versatile unit. It features excellent narrow-aisle navigation capability, using multi-line LiDAR + visual perception for positioning, with automatic map updates to effortlessly navigate through variable and ever-changing environments. The fully automated station supports Auto Charging, Auto Refill & Drain, Cleaning Solution Refill, and is capable of self-cleaning the roller brush system, squeegee, dirty water tank, and station, drastically reducing maintenance effort. The AGIBOT C4 robot is designed with exceptional versatility in various scenarios, a long-life design, and self-diagnoses over 90% of faults, reducing the total cost throughout its lifecycle. It can help property maintenance companies achieve digitalized upgrades, making operations more efficient and cost-effective.

Specifications

AGIBOT C4

Dimensions	Battery Specifications	Max Cleaning Efficiency	Scrubbing Endurance	Charging Time	Operating Noise
680 * 510 * 1,015 mm	24 V, 60 Ah	1,400 ㎡/h	3 h	1.5 h	<65 db(A)

Clean/Dirty Water Tank Capacity	Scrubbing Width	Cleaning Width (Side Brush)	Squeegee Width	Min Aisle Width	Turning Radius
25 L/25 L	380 mm	600 mm	540 mm	600 mm	800 mm

Station

Water Tank Capacity	Clean Water Refill Speed	Dirty Water Drain Speed	Max Power	Rated Input Voltage
4 L	5-8 L/min	4–8 L/min	1,200 W	200–240 V

Highlights

Agile Movements: Can pass through 60 cm gaps, and turn within 80 cm, enabling effortless navigation within the width of a floor tile

No Manual Intervention: One-touch intelligent zone-based route planning, with Auto Charging, Auto Refill/Drain, and Cleaning Solution Refill features, eliminating the need for manual interventions

Adaptable to Various Scenarios: Uses multi-line LiDAR + visual perception for positioning, with automatic map updates to handle dynamic, changing environments

Ultimate Stability: High-spec hardware design with pre-filtration of dirty water, significantly reducing the risk of valve and pump clogging (ISO9001 certified)

Comprehensive Cleaning: Combines sweeping, scrubbing, and mopping, with an innovative water-retention scrubbing design, achieving perfect cleaning even with minimal water usage

Effortless Maintenance: Equipped with a roller brush module, squeegee, and wastewater tank, it features full self-cleaning capability, reducing the daily cleaning workload by over 60%

All-in-one Cleaning: Has a front-sweeping and rear-scrubbing design, ensuring a debris pickup rate of 95%. dry/wet separation, achieving an all-in-one, high-standard cleaning performance

Reduced Costs: Long-life design with over 90% fault self-diagnosis, reducing total lifecycle costs

Application Scenarios

··· Supermarkets ···

··· Subway Stations ···

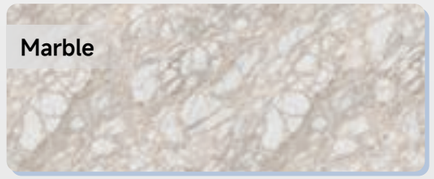
··· Factory Warehouses ···

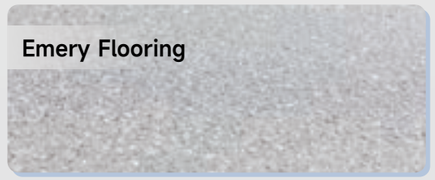
··· Hotels ···

··· Office Buildings ···

··· Exhibition Halls & Stores ···

Compatible Surfaces





AGIBOT C2

AGIBOT C2 is a compact commercial robot designed to clean small indoor areas of 500–1,000 m2. It features a compact and agile design, multi-functionality, intelligent recognition, and cloud-based control, enabling intelligent, unattended, and digitalized cleaning operations.

Specifications

AGIBOT C2

Cleaning Efficiency	Total Weight	Dustbin Capacity	Battery Specifications	Walking Speed	Gradeability
300–700 m²/h	**17.5 kg**	**1.3 L**	**25 Ah**	**0.4–0.6 m/s**	**10°**

Dirty Water Tank Capacity	Clean Water Tank Capacity	Scrubbing Endurance	Charging Time	Cleaning Width	Edge Cleaning Distance
3.5 L	**4 L**	**4 h**	**2 h**	**390 mm**	**≤50 mm**

Station

Dustbin Capacity	Station Feature	Station Feature	Station Feature	Station Feature
10 L	**Auto Charging**	**Auto Refill & Drain**	**Auto Dust Collection**	**Mop Drying**

Highlights

Automatically switches between Dry Mop, Vacuum, and Wet Mop modes to adapt to various floor types

Intelligently communicates with elevators, access gates, and access control systems to navigate multiple floors without interruption

Enables true 24/7 unattended operation based on industry-leading mop self-drying technology, plus Auto Dust Collection, Refill & Drain, and Charging features

Intelligently identifies waste types and stain levels, and dynamically adjusts cleaning strategies

Features an ultra-slim 39 cm body and low-profile design, effortlessly reaching into tight spaces such as under dining tables and between shelves

Application Scenarios

··· Office Buildings ···

··· Serviced Apartments ···

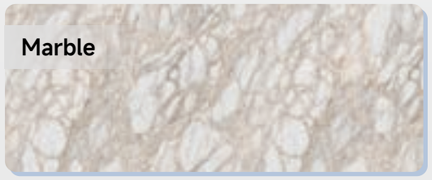
··· Retail Stores ···

··· Supermarkets ···

··· Exhibition Halls ···

··· Office Lobbies ···

Compatible Surfaces



AGIBOT C2P

AGIBOT C2P is a compact commercial robot designed to clean indoor small areas of 500–1,000 m2. It features compact and agile design, multi-functionality, intelligent recognition, and cloud-based control, delivering an intelligent, unattended, and digitalized cleaning solution.

Specifications

AGIBOT C2P

Overall Dimensions	Total Weight	Dustbin Capacity	Battery Specifications	Walking Speed	Gradeability
520 * 510 * 680 mm	**22.5 kg**	**1.3 L**	**23 Ah**	**0.4–0.6 m/s**	**8°**

Dirty Water Tank Capacity	Clean Water Tank Capacity	Endurance	Charging Time	Cleaning Efficiency	Edge Cleaning Distance
3.5 L	**4 L**	**4 h** (2 h continuous operation with a full water tank)	**2 h**	**180–250 m^2/h**	**<50 mm**

Dustbin Capacity	Obstacle Clearance Height	Cleaning Width	Min Clearance Height
1.3 L	**30 mm**	**390 mm**	**700 mm**

Highlights

Automatically switches between Sweep, Vacuum, Dry Mop, and Scrub modes

Features an all-in-one station that supports Auto Charging, Auto Refill & Drain, and Roller Brush Self-Cleaning, and barrier-free access to elevators and access gates

Automatically adapts to various cleaning attachments without manual setup and lifts the roller brush in carpeted areas

Supports cloud-based remote task management, enabling multi-dimensional data analysis and visualized data management

Operates in Quiet Wet Mop mode at under 60 db, making it ideal for overnight cleaning without causing disturbances

Equipped with a mobile water station for environments without fixed plumbing

Application Scenarios

··· Supermarkets ···

··· Office Buildings ···

··· Serviced Apartments ···

··· Retail Stores ···

··· Exhibition Halls ···

··· Office Lobbies ···

Compatible Surfaces