

Guided Tour, Shopping Guide and Navigation Solutions



3 Core Scenarios: Guided Tour, Shopping Guide and Navigation



**Store Tour and
Shopping Guide
Scenario**



**Store Navigation
and Performance
Scenario**



**Subway Security
Check Navigation
Scenario**





Store Tour and Shopping Guide Scenario

Scenario Challenges

Lack of technological appeal, making it hard to create differentiated attraction

Service experience varies by individual, making quality inconsistent

Limited human service hours, causing inability to cover full-day demand

Frequent product updates, making professional training challenging

High labor costs and high staff turnover

Store Tour and Shopping Guide

Solution Advantages and Capabilities



Autonomous Intelligence

Efficient mapping, route planning, obstacle avoidance, autonomous explanation, and Q&A



Sensor Perception

Equipped with RGBD, interactive RGB, binocular RGB, rear-view RGB, LiDAR, and other sensors; one-time mapping for navigation and guidance



Dynamic Interaction & Proactive Reception

Supports facial recognition, proactive greeting of strangers; supports multi-language explanations, and 30+ facial expressions and gestures; delivers integrated "greeting – explanation Q&A" service



Zero-Barrier Toolchain

Built-in exhibition explanation toolchain; allows zero-barrier generation and editing of explanation gestures and scripts; supports customized expressions, gestures, voice, walking speed, duration, positioning, and more



Case Study

Store Tour and Shopping Guide Scenario



01

Attracting Foot Traffic and Customers

Attracts foot traffic at store entrances through performances and interactive displays, increasing walk-in conversion rates

02

Companion and Engagement

Engaging children in interactive games enhances parent-child experience and effectively extends parents' in-store shopping time

03

Intelligent Navigation

Uses intelligent recognition of customers' clothing style and body features to provide personalized outfit recommendations



Store Navigation and Performance Scenario

Scenario Challenges

Low Service Efficiency

Manual queuing and table assignment processes are cumbersome, prone to missed calls and delayed seating, increasing customer wait times and labor costs, thus leading to inefficient service.

Lack of Personalized Celebration Services

Traditional birthday celebrations are generic, fail to reach birthday customers accurately, lack ceremony, and cannot fully convey brand warmth or meet customers' emotional needs.

Insufficient Store Entertainment Atmosphere

Lack of immersive, highly interactive entertainment scenes, making it hard to attract younger customers; resulting in weak customer engagement and no differentiated competitive advantage.

Store Navigation and Performance

Solution Advantages and Capabilities

Autonomous Customer Guidance Scenarios

01

Proactive Traffic Attraction and Guiding: Proactive greeting, traffic-attracting dances, birthday wishes, silent walking or running, agile interactive movements, and autonomous guiding to the waiting area

02

Autonomous Queuing: Self-issue and call of queue numbers

03

Autonomous Clearance: Visually identifies or remotely calls customers whose numbers are up, prompting them to enter



Personalized Birthday Experience Scenarios

01

Birthday customer recognition

02

Approaching the celebrant's table

03

Birthday performance



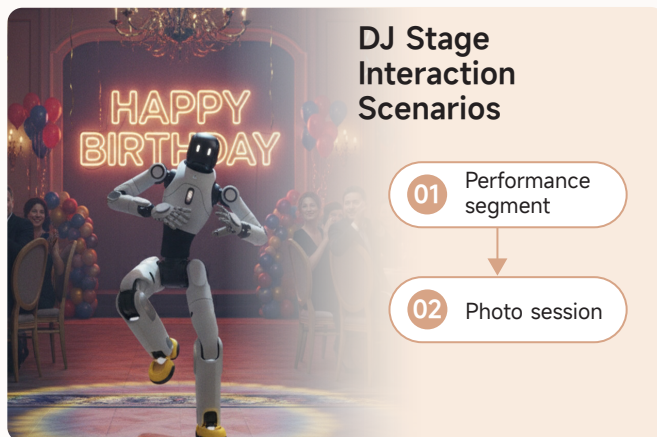
DJ Stage Interaction Scenarios

01

Performance segment

02

Photo session



Business Value



Improved Operational Efficiency

Autonomous guidance, obstacle avoidance, and rapid handovers optimize service workflows, reducing customer waiting time, improving customer flow efficiency, and increasing table turnover rates.



Enhanced Brand Image

Through personalized birthday celebrations, fun interactions, and immersive DJ scenarios, convey a youthful, intelligent, and warm brand image; reinforce the "Service First" brand label to enhance brand recognition and reputation.



Increased Customer Retention and Repurchase

Optimized dining and entertainment experiences satisfy customers' emotional and interactive needs, enhancing loyalty, boosting repeat purchase rates, and attracting young audiences for social sharing and new customer acquisition.

Case Study

AGIBOT X2 Deployed at Haidilao - Redefining Intelligent Birthday Experiences in Restaurants

01

Officially deployed in partnership with over 30 Haidilao stores nationwide, delivering deeply customized service-type humanoid robot experiences tailored to dining environments.

02

Operating reliably in busy, real-world store settings rather than controlled lab environments, the robots deliver customized birthday interactions and humanoid greeting services, bridging advanced technology with everyday consumer experiences.

03

The solution revolutionizes Haidilao's traditional birthday celebration model by offering a complete suite of services, including singing birthday songs, facial-screen blessings, and broadcasting cheerful melodies through built-in speakers. This not only saves labor but also delights customers through novel, interactive experiences.

04

Key technologies include smooth dance and greeting capabilities, millisecond-level emotional perception, and a natural interaction system. Future OTA updates will add autonomous navigation and obstacle avoidance, ensuring precise autonomous service execution in complex store environments.

05

This partnership with Haidilao represents another benchmark case for the large-scale commercial deployment of humanoid robots in dining scenarios. The collaboration will expand to Haidilao locations in the United States, bringing intelligent service experiences to a global audience.

Current Performance

 Store foot traffic: +15%

 Staff replacement: 1 persons

Future Plan

 Store foot traffic: 30%

 Staff replacement: 3 persons





Subway Security Check Guidance Scenario

Scenario Challenges



Peak-hour congestion at security checkpoints, causing high guidance pressure



High volume of passenger inquiries with many repetitive questions; limited language support, and high service costs



Short overnight maintenance windows; reliance on staff experience, susceptibility to fatigue, and limited efficiency

Subway Security Check Guidance

Solution Advantages and Capabilities

Features multi-modal large-model human-robot interaction, stable endurance, and autonomous navigation

Intelligent Perception Guidance

Automated Wrong-Way Deterrence

Multi-Modal Interactive Consultation

Consultation, Direction, and Guidance

Fixed-Point Autonomous Inspection

Inspection Anomaly Alerts



Autonomous Intelligent Perception



Equipped with intelligent perception models to accurately identify passenger statuses such as carrying bags, not carrying bags, or carrying water bottles. Supports multi-language and multi-knowledge-base autonomous Q&A for efficient, seamless station-hall service

Customizable Personalization



Powered by the LinkSoul platform, zero-cost setup for personalized expressions, character design, gestures, and knowledge base

Autonomous Navigation & Obstacle Avoidance



Efficient mapping, route planning, navigation, and obstacle avoidance. The chassis supports directional/crab-style smooth movement and recognizes both dynamic and static obstacles

Autonomous Recharging Capability



High-capacity, hot-swappable batteries support long-duration operations, with autonomous recharging enabling 24/7 on-duty performance



Business Value: Three Major Upgrades



Service Experience

Passive service
Device-centric



Active service
Human-centric



Industrial Value

On average, **1** embodied robot
creates **1.7** technical jobs



Traditional
operations team



Tech-enabled
operations team



Operational Efficiency



Note: 1 robot can replace
three shifts

Case Study

Subway Smart Guidance: A Benchmark Case of Guangzhou Metro x AGIBOT G2 Intelligent Security Check Guidance



01

Entrance Security Screening

Scenario: Entry security checkpoint

Functions:

- Efficient Smart Guidance: Identifies passengers carrying bags or water bottles for security screening
- Order and Safety Control: Detects passengers moving in the wrong direction and deters them
- Personalized and Care Services: Guidance for children and green channel access
- Interactive Experience: Actively detects passenger hand gestures and responds with diverse expressions

02

Consultation Services

Scenario: Station service center

Functions:

- Multi-Language Knowledge Base Management: Metro information inquiries and interactions
- Proactive Interaction and Guidance: Face recognition and gaze-tracking Q&A
- Navigation and Guidance: Uses SLAM based autonomous navigation to escort passengers to destinations
- Powered by LinkSoul Platform: Zero-code setup for easy management of robot persona and knowledge base

03

Station Patrol

Scenario: Station patrol inspections

Functions:

- Monitors fire safety equipment, flood control systems, and trash overflow conditions
- Integrated with backend systems for real-time video monitoring
- Supports remote operation for emergency response

Core Product

AGIBOT X2

The AGIBOT X2 is a fully intelligent, agile humanoid robot with a rounded, playful design. It combines high degrees of motion freedom with multi-modal interactive capabilities, offering strengths across motion intelligence, interaction intelligence, and operational intelligence.

Technical Specifications

Height	Weight	Maximum Walking Speed	Battery Life	Intelligent Interaction
131cm	39kg	2m/s	2h	Supported
Total DOF	Single Arm DOF	Maximum End-effector Payload	Battery Capacity	Secondary Development
30	7	3000g	500wh	Yes
High-Performance Computing Module		Intelligent Perception		
NVIDIA Orin NX 16GB		RGBD camera + Binocular RGB camera + Interactive RGB camera + LiDAR + Rear-view camera		

Product Highlights

Dynamic Interaction

Custom Interaction | Multi-Modal Interaction | Expressive Faces | Touch Feedback

- Custom Interaction: Supports the LinkSoul platform for personalized settings such as robot persona, wake words, and voice, meeting tailored operational needs
- Multi-Modal Proactive Interaction: Equipped with environmental recognition, face recognition of interaction targets, gesture and body detection; capable of proactive greetings, handshakes, and other skills
- Expressive Faces: 30+ facial expression animations to convey robot status engagingly
- Touch Feedback: Supports interactive responses such as head pat recognition with voice feedback
- Diverse Interactive Skills: Supports multilingual communication, motion control commands, singing, idiom games, poetry recitation, and more for engaging and entertaining interactions



Rich Motion Control

Full-Body Motion | Lying Down & Standing Up | Action Generation & Choreography

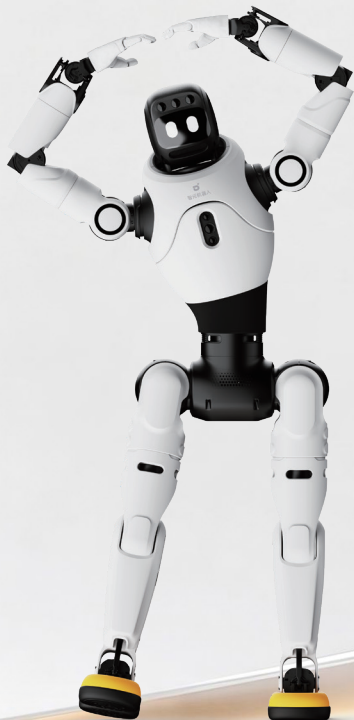
- Rich Preset Movements: Over 20 preset, human-like agile movements for easy operation
- Effortless Solo Operation: Supports full-body motion switching (e.g., lying down to standing, sitting to standing), remote control, mobile app control, all manageable by one person
- Powered by LinkCraft Platform: Zero-code skill training for motion imitation, voice performance, and other operations
- Group Control Toolchain: Supports multi-robot collaborative performances, making group dance control more efficient and flexible
- Premium Performance Resources: Trendy dances, high-energy martial arts, cool stunts, etc., enabling a one-stop solution for entertainment and commercial performances



Autonomous Intelligence

Efficient Mapping | Navigation and Obstacle Avoidance | Autonomous Explanation and Q&A

- Multi-Dimensional Sensor Mapping: Equipped with RGBD, interactive RGB, binocular RGB, rear-view RGB, LiDAR, and other sensors; one-time mapping for exhibition hall guidance
- Path Planning and Obstacle Avoidance: capable of autonomous path planning and navigation with obstacle avoidance, able to detect both dynamic and static obstacles
- Proactive Greeting, Explanation and Q&A: Supports face recognition, proactive greeting of strangers, free Q&A from knowledge base, multi-language explanations, plus over 30 facial expressions and rich explanatory gestures for a fully integrated "greeting – explanation – Q&A" service
- Zero-Barrier Customization: Built-in exhibition presentation toolchain for easy creation and editing of scripts and actions, supporting customizable expressions, movements, voice, walking speed, duration, positioning, and motion choreography
- Powered by LinkCraft Platform: Zero-code motion control skill training for motion imitation, voice acting, group control, and group choreography
- Powered by LinkSoul Platform: Customizable interaction and personalized settings for robot persona, wake words, voice, etc., meeting tailored operational needs



Core Product

AGIBOT G2

Interactive Embodied Intelligent Service Robot

Technical Specifications

Height 179cm	Weight 185kg	Walking Speed 1.5m/s	Battery Life 4h+	Proactive Interaction Supported
Total Active DOF 26	Single Arm DOF 7	Single Arm Rated Payload 5kg	Battery Capacity 1652Wh	Secondary Development Yes
Base Computing Board HUIXI R1 500 TOPS (INT8)		High-Performance Computing Board NVIDIA Jetson T5000 2070 TFLOPS (FP4)		
Perception System 3D LiDAR ×2, Binocular Camera ×1, Fisheye Camera ×3, Head RGBD Camera ×1, Wrist RGBD Camera ×2				



Product Highlights

Interactive Intelligence A talking and dancing guide assistant



- High-DOF flexible body + 360° omnidirectional stable chassis
- Multi-modal interactive intelligence for an enhanced user experience
- Powered by LinkSoul platform, allowing even beginners to get started with ease

Intelligent Operation Autonomous Intelligent Service Assistant



- Force-controlled dual arms + dual hot-swappable batteries for 24/7 uninterrupted operation
- 2070 TFLOPS high computing power ensures reliable performance for complex tasks
- Genie Studio provides a one-stop development platform for embodied intelligence

Secondary Development & Co-Creation Fully open AGIBOT GDK



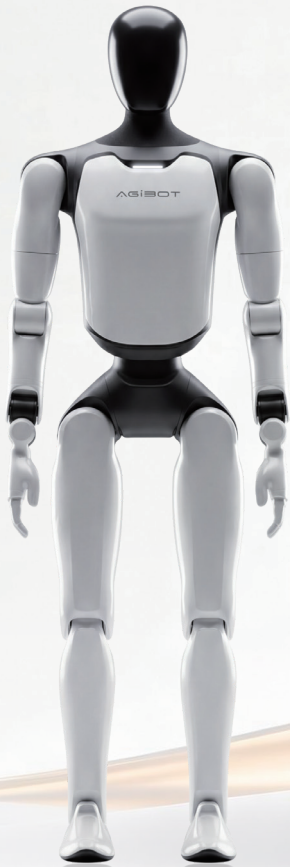
- A one-stop software stack that brings your creative ideas to life instantly.
- Provides source-level support for C++, Python, and ROS 2 frameworks, enabling full-chain development from prototype to product

Core Product

AGIBOT A3

Technical Specifications

Height 173cm	Weight 55kg	Max Speed 5m/s	Overall Battery Life 10h
Intelligent Interaction Supported	Total DOF Max 57	Maximum Single-Arm Payload 5kg	Built-in Skill Pack Yes
Computing Module RK3588*2	Perception Sensors RGB camera + Shoulder touch sensor + UWB positioning + GPS		



Product Highlights

Exceptional Performance, Ultra-lightweight Design



- Maximum current up to 150A, 12kW power, and a 0.218kW/kg power-to-weight ratio, comparable to million-dollar supercars. It can not only perform somersaults but also aerial walking
- Built with magnesium alloy, titanium alloy, and TPU flexible materials, creating an ultra-lightweight 55kg 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, with a 10-second battery swap that makes range anxiety a thing of the past

Striking Design, Fully Customizable



- 173cm golden ratio, model-grade head-to-body proportions, powerful on the inside with a refined, elegant exterior
- Slender limbs and graceful demeanor; 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 sensors redefines a new era of embodied interaction, combined with voice and multimodal interaction for seamless 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 + physical SIM card slot, with domestic LGA module or overseas M.2 modules for unlimited connectivity

Reliable Platform, Easy Deployment



- A full-size humanoid robot that can be carried by one person, with foldable packaging, autonomous case loading and unloading, and easy transport in a single SUV
- Inherits the proven design of the AGIBOT A2, having passed 92 rigorous tests before delivery, with a design lifespan of up to 3 years
- Fully open interfaces support secondary development, compatible with all scenarios including entertainment, commercial performances, research, and education. One platform, endless possibilities

“ Create Unlimited Productivity via Intelligent Machines ”

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