

AgiBot A2

Interactive Service Robot



AgiBot A2 is a general-purpose humanoid robot designed by AgiBot for interactive services. A2 is equipped with multimodal interaction capabilities, including multi-turn voice conversations, rich natural facial expressions, and natural movements. With built-in high-definition cameras and microphone arrays, it can achieve precise facial tracking, lip detection, and sound source localization. Even in high-noise environments, its recognition accuracy exceeds 96. The robot can generate real-time human-like movements and autonomously navigate various indoor dynamic environments, such as marble, carpets, and wooden floors, covering areas up to 100,000 square meters.

Product Features



Humanoid Configuration & Ergonomic Design

- Human-like, technologically advanced appearance.
- HRI (Human-Robot Interaction) design closely aligned with natural interaction.
- Expandable, customizable appearance.



Multimodal Interaction & Intelligent Experience

- Large language model with ultra-realistic speech synthesis technology.
- Capable of building customized business knowledge bases for enterprises.
- Accurate sound pickup with 96% accuracy in high-noise environments.
- Realistic Human-like Movements.



Autonomous Mobility with Reliable Walking

- Ability to navigate autonomously in complex environments.
- Integrated joint system with a peak torque of 512 Nm, stable operation for thousands of hours.
- Rapid generation of globally optimized trajectories.



Comprehensive Safety & Security

- Intelligent obstacle avoidance with a 360-degree view and no blind spots.
- Safety monitoring, redundant backup systems, dual control pathways, and PLd-level safety protection.



Convenient Operation & Minimal Maintenance

- Supports multi-platform control via remote, smartphone, or computer.
- Standby station for transport, standby, and charging.
- Supports quick battery replacement and charging.

Specifications

Height

169cm

Weight

69kg

Battery

700wh

Turning Radius

60cm

Runtime

2h

DOF

40+

Application Scenarios

Marketing and Customer Service / Showroom Presentations / Demonstrations and Performances