

Height

167cm

HD Touchscreen

21.5-inch touchscreen

Environmental Perception

3D LiDAR

Environmental Perception

Ultrasonic sensors

HD Camera

Accurately identifies user intent

Voice Interaction

Q&A success rate $\geq 99\%$
Speech recognition accuracy $\geq 95\%$

Battery Life

4h

Movement Speed

2m/s



Product Overview

W2 is the warm and intelligent companion of the Openmind family, integrating multi-turn dialogue, autonomous navigation, and dynamic obstacle avoidance. Designed as an innovative embodied intelligence platform, W2 operates safely and stably in human-robot coexisting environments.

For healthcare scenarios, W2 provides around-the-clock medical insurance policy consultation and intelligent guidance services. With natural and smooth multimodal interaction, it effectively reduces the consultation workload for medical staff while delivering intelligent services with a more human touch.

SPECIFICATIONS

Mechanical Parameters	Height	167cm
Electrical Characteristics	Battery Capacity	60Ah
	Communication	Ethernet,WiFi6,Bluetooth
	Expansion Interfaces	RJ45*1, USB3.0 Type C*1
	Sensors	3D LiDAR*1,depth cameras*2,IMU*1
	Voice Interaction System	Array microphone, speaker; supports sound source localization and echo cancellation
Performance	Movement Speed	≥2m/s
	Speech Recognition Accuracy	≥95%
	Battery Life	4h
	Q&A Success Rate	≥99% (under document retrieval conditions)
	Mobile Base Localization Accuracy	≤3cm
Controller	Upper Computer Chip	Intel i7-12700
	Lower Computer Onboard Chip	RK3588
Touchscreen Display	Size	21.5 inches (476.5*268mm, 476.5*268 mm,excluding bezel)
	Real-time Position Display	Supports loading environmental digital maps and accurately marking the robot' s position
	Real-time Video Output	Displays real-time HD video captured by the depth cameras on the screen
	Real-time Dialogue Display	Displays visitor questions in a dialogue-box format, making voice interactions clear, visible, and easy to follow.
	Touch-based Guidance	Serves as a supplement to voice interaction and supports touch-based inquiry and explanation functions

Application Scenarios



Medical Insurance Consultation



Intelligent Patient Guidance

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