

Humanoid Service Robot



Product features



Welcome reception



Display carrier



Voice interaction



Long battery life



Active obstacle avoidance



Automatic charging

Product specifications

| | |
|------------------|---|
| Model No. | RMB101 |
| Size | 545mm(L)*450mm(W)*1427mm(H) |
| Screen Size | 13.3inches(1920*1080) |
| weight | 40KG |
| Athletic ability | The head, arm and chassis have a total of 8 degrees of freedom. Head and arm: users can program various actions; Chassis: it can walk in any direction horizontally (walking back and forth, rotating left and right) |
| Battery capacity | 20800mAh/37V |
| Working time | About 10h |
| Cruising speed | 0.1~1m/s |

Interface

| | |
|-----------------------|----------------------------------|
| WIFI | AP6255 dual frequency 2.4G+5.8G |
| 4G | Optional |
| Speaker | 4Ω/3W mono speaker |
| USB Debuging Port | Mcro USB 2.0 |
| External I/O Port | 1*Mcro USB 2.0 RJ45 Network Port |
| Power Button | One Key Boot |
| Emergency Stop Button | 1 |

Function

| | |
|---------------------------------|-----------|
| Remote navigation deployment | Supported |
| Automatic return to charging | Supported |
| Second-level obstacle avoidance | Supported |
| Voice interaction SDK | Supported |
| Face recognition | Supported |
| Thermal paper printing | Supported |
| Emergency stop | Supported |

Operating system, processor, memory characteristics

| | |
|---------------------|---------------|
| Operating system | android (5.1) |
| Processor type | RK3399 |
| Built-in clock | RTC |
| RAM LPDDR3 | 4GB |
| Built-in NAND FLASH | 32GB |

| ROS navigation specifications、Lamp specifications、Power system | |
|--|--|
| Operating system | LINUX |
| Processor type | Motherboard I5 ITX-H45-I526LVER:1.1A(4300U) |
| Hard disk | 32G High-speed solid state drive |
| Motor driven | 5.5 inch hub motor |
| Gyro | 9-axis high-precision attitude sensor9-axis high-precision attitude sensor |
| Single-line lidar | Wavelength 905 nm, working area 270 degrees |
| Lidar | 20m |
| Type of battery | 10S16P Capacity 20800 mAh/37V |
| Power Adapter | Enter: AC100-240V.50-60HZ Out: DC42V 3A |
| Charging method | Automatic recharge, DC direct charge |
| Charging pile | Output voltage: 42VDC, Output current: 3A |