



CPJ ROBOT

| | function name | Features |
|---|---------------------------------|---|
| 1 | Lead the way | It supports taking guests from their current location or designated location to their destination. After the robot reaches the destination, it will remind the guests and return to the welcome point after the execution. The robot uses a combination of multiple sensors, including ultrasonic sensors and lidar sensors to provide multiple guarantees. After the map is built, it can realize the guidance function and guide the guests. |
| 2 | Guided tour | The robot uses SLAM technology and can scan the environment map and remember each tour explanation point. It can actively lead guests to the explanation point and display various promotional content such as voice, pictures, and videos corresponding to the explanation point. Supports fixed-point guidance Navigation by route is also supported. 1. Fixed-point tour guide: can lead guests from the welcome location to where they want to go (can explain and introduce services on the way), and then return to the welcome point after the guidance task is completed; 2. Guide by route: You can guide guests from the welcome location to location A to location B to location C (where you can explain and introduce services), etc. After the guidance task is completed, you can return to the welcome point. |
| 3 | Content import | Support users to choose the presentation content independently, and support users to freely define the content and method of introduction. Supports the import of various forms of content such as images, audio, video, text, and voice to adapt to different navigation scenarios. Supports inputting text and automatically converting it to audio. |
| 4 | Voice interaction | Through the six-microphone array, the direction of the sound can be identified and the sound pickup in that direction can be enhanced to achieve a good speech recognition effect. Guests interact with the robot through voice, and the robot can recognize the guest's voice and answer the guest's questions. Guests can simply chat with the robot to say hello and discuss the weather. Experience a new and natural human-computer interaction. |
| 5 | Voice Q&A | A professional knowledge base can be added to the management interface so that robots can answer common questions from guests. Supports updates to frequently asked questions and user-defined questions. Supports single addition and batch import of questions, and supports multiple different similar questions for the same question. |
| 6 | Smart greeting | When the robot detects the arrival of a guest, it proactively greets the guest. |
| 7 | Actively avoid obstacles | If an obstacle is encountered during the guidance process, the robot can easily bypass it, re-plan its path, avoid the obstacle, and work more efficiently and safely. |
| 8 | Multiple security | To ensure safety, you can press the emergency stop button to stop the robot in abnormal conditions. An anti-fall sensor is installed at the bottom of the robot's chassis, and it will brake urgently when it detects a cliff-like feature like an escalator. There is a collision detection strip in front of the bottom of the chassis. When other sensors fail, an accidental collision can be detected immediately and the robot will be braked to ensure safety. |