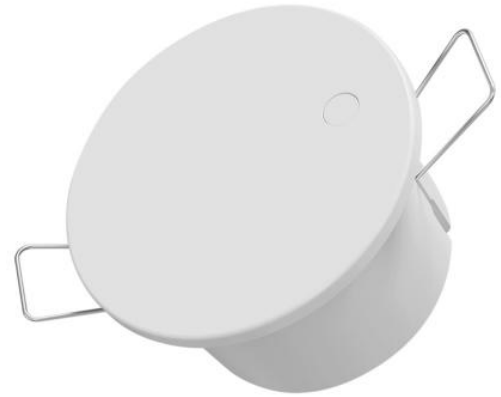


Product introduce

This AI Elderly Care Radar is equipped with spatial area division and zoned linkage functions, enabling real-time monitoring of data such as human presence status, location, count, fall incidents, activity status, sleep respiration and heart rate. The device adopts a ceiling-mounted deployment design, specially developed for scenarios such as elderly care and security warning. It enables scenario-based intelligent management, providing users with a comprehensive, round-the-clock integrated solution for safety protection and health monitoring.

Features

- Supports three modes: People Tracking, Fall Detection, and Bed Monitoring.
- Integrates core detection functions including fall detection, presence detection, sitting posture, lying posture, respiration and heart rate monitoring, enabling all-round perception of human status.
- Embedded ceiling-mounted design, suitable for wall-embedded installation scenarios.



Basic Information

- Product Model: MR02F
- Power Supply: 100-240VAC, 50/60Hz
- Average Power Consumption: < 4.3W
- Communication Method: WiFi 2.4GHz
- Operating Temperature: -10°C - 45°C
- Operating Humidity: 5% - 95% RH
- Product Dimensions: 80x80x52mm (66mm inner diameter)
- Installation Method: Embedded ceiling-mounted
- Protection Rating: IP54 (after installation)

Radar Parameters

- Operating Frequency Band: 60GHz-64GHz
- Bandwidth: 4GHz
- Modulation Mode: Frequency Modulated Continuous Wave (FMCW)
- Transmit Power: 11dBm
- Antenna Transmit-Receive Count: 4T4R

Mounting Environment&Detection Range

- **Coverage Angle:** 120° fan coverage
- **Mounting Height:** Ceiling Mount 2m ~ 3m
- **Human Tracking Range:** Length 6m × Width 4m
- **Fall Detection Range:** Full posture: Length 6m × Width 4m
Sitting mode: Length 3m × Width 3m
- **Respiration & Heart Rate Detection Range:** Length 2m × Width 2m

