SMK

Contactless Sensing for Elderly Care

Powerful sensing, entirely contactless, without using camera

Camera-free Sensing

Experience an advanced, contactless, and privacy-focused elderly care solution, using 60 GHz mmWave RADAR and AI for precise indoor motion tracking and fall detection. It provides seamless monitoring in private spaces like bedrooms and bathrooms, with no dead zones and easy plug-and-play installation. Connected through an app for real-time activity and fall alerts, this product ensures comprehensive home monitoring with a focus on user comfort and safety.

Presence and Motion Tracking
Real-time occupancy, head counting, and motion tracking for up to 2 people, providing activity insights.
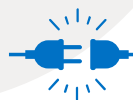
Fall Detection
Two-layered algorithm fall detection ensures accurate and quick alerts by analyzing subtle movements.

Connectivity
Activity and fall alerts are sent via Wi-Fi to our app using the 2.4 GHz band.

Easy Set-Up
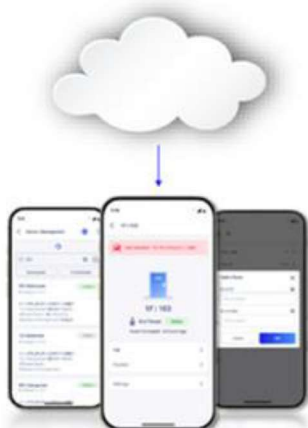Install in under 5 minutes with simple plug-and-play instructions in the app.

Privacy
Data is securely processed with encryption, compliant with GDPR.

Examples of Detection Use Cases

Occupant Monitoring
Area Definition and monitor hazardous zones and daily movement patterns

Activity Level Monitoring
Track and manage the activity levels of individuals on an hourly basis.

Real-Time Tracking
Monitor current and real-time location of individuals within a room.

Edge data processing on the device, sends detection results to the cloud via Wi-Fi, and integrates them across platforms like PCs and phones.

Operation Frequency	: 60GHz FMCW
Dimensions	: 10.6 x 6.8 x 7.8cm
Weight	: 0.86kg
Mounting type	: Wall Corner
Max Detection Range	: 6mx 6m or 36㎡
Field of View	: 120°
Elevation	: 60°
Input Power Interface	: Micro USB
Cloud Connection	: WiFi (2.4GHz)
User Interface	: Mobile app or PC

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