

AEROSENSE

Contactless Sleep Sensor



Helping increase safety and reduce running costs for senior living communities and health systems.

A smart sleep monitoring device to provide contactless monitoring of data such as the user's in-bed/off-bed status, body movement, and vital signs. It can generate professional sleep analysis reports, gain insights into changes in the user's health status and behavior habits.



HEALTH EARLY WARNING



NO WEARABLES



NO CAMERAS



ACTIVE MONITORING



Presence Detection

Presence in or out of bed is monitored any time!



Oversleeping Alert

Active warnings if the resident is still in bed longer than their normal schedule.



Wandering (Night)

Active notifications if the user is absent from the room longer than expected at night.



Frequent Night Activity

Active alerts warn if the user gets up too often at night.



Abnormal Sleep

Active alerts warn if the users stays up too late at night.



Vital signs detection

Respiratory and heart rate signals during resting in lying still.



Sleep Report

A daily sleep report is generated for user to see sleeping quality.



100% Contact Free

Monitor bio-vitals from a distance.
No worries of cross-contamination.



Extremely Easy To Use

No maintenance.
Just plug it in and you're ready to go.



Early Warning

Identify high-risk incidents in advance.
Insights into all users' underlying conditions and behaviors to
yield powerful clinical insights and predictive analytics.



Open Architecture

Easily integrated into other systems.
SDK available for developers.
Can be delivered as modules.



Reduced Hospitalization

Using technologies with clinically proven records to reduce
hospitalization.



Cost Efficient

Improve nursing efficiency.
Attractive ROI.

SPECIFICATIONS

*Appearances and specifications may be subject to change without notice.

Name	Contactless Sleep Sensor
Model	AASW-2D
Radar type	FMCW
Frequency band	24GHz
Detection range	1.5(m) / 4.92(ft)
Effective field of view (horizontal)	-40°~20°
Effective field of view (vertical)	-42°~42°
System power	DC 5V/1A Max
Network connection	2.4G Wi-Fi
Operating temprature	-10~50 (°C) / 14~122 (°F)
Dimensions	83*83*58 (mm) / 3.3*3.3*2.3 (in)
Weight of the unit (approx.)	80g
Communication protocol	SDK / API