

# Smart Sensor

Privacy consideration and more incident types

# AI x 3D Technology



Using AI x 3D Technology, the Smart Sensor can collect a wide range of data to detect incidents and monitor condition.

- **Human head tracking**

- 3D space heat mapping
- People counting
- Fall detection

- **Virtual Aerial Sensor**

- Hit counting, Duration tracking
- Unauthorized Entry Detection

- **Virtual Cage**

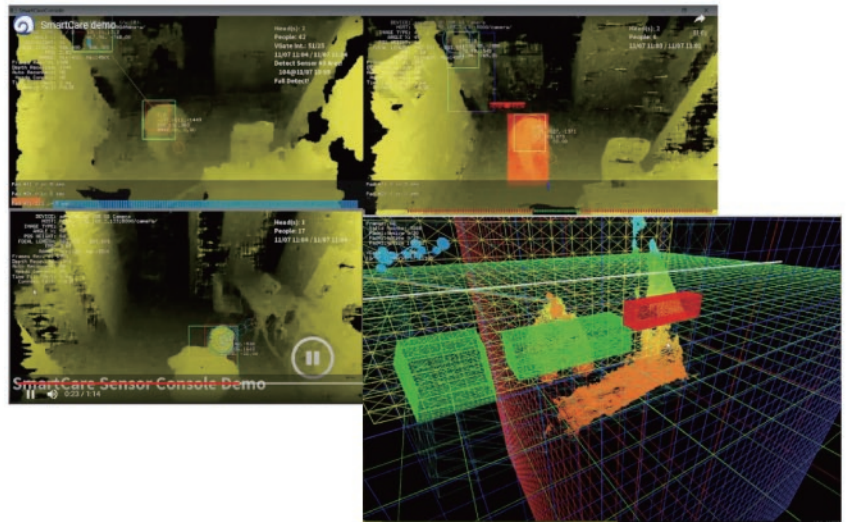
- Detection of unauthorized access to restricted spaces
- Confinement detection, such as in restroom

- **Virtual Gateway**

- Counting entries and exits through virtual gate

- **Human Postures Analysis**

- Detecting suspicious or unusual postures



- aeroTAP 3D USB GS Camera
- USB3.0 Bus Power  
5V/800mA
- Enable Network (Wifi/LAN)  
SBC Integrated 5V/1A Type-C Power required  
\* Linux/Windows OS
- Depth Map 1280x720p



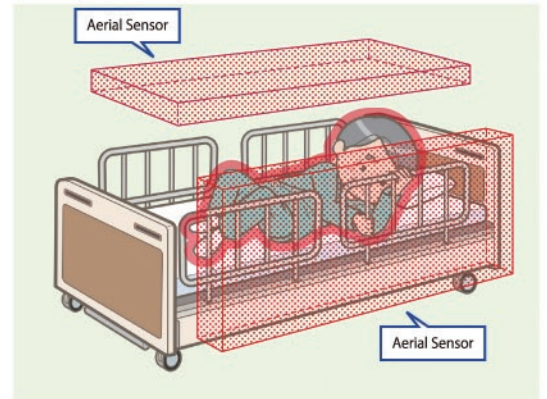


# Smart Care Service

## Smart Care Service for Elderly Care

Smart Sensor visualizes caregiver and resident activities, enhancing safety and efficiency. It provides real-time alerts for bed exits, room movement, and restroom safety to prevent accidents.

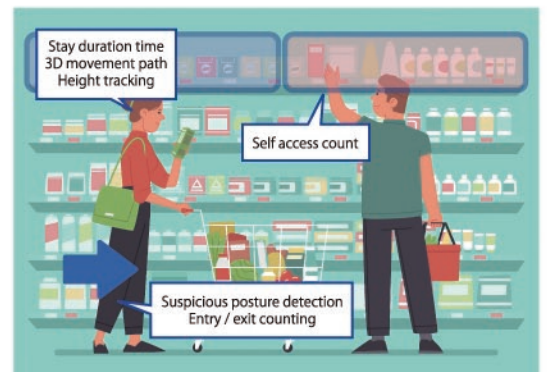
- Bed exit and wandering detection
- Fall alerts in hallways and restroom
- Posture monitoring in bed (lying, sitting, standing, etc.)
- Call assistance via spatial sensors
- People counting and tracking



## Smart Retail Space Analytics

Smart Sensor tracks customer behavior in 3D, counting entries and shelf interactions to improve layout and service. It also detects suspicious or unsafe movements.

- Shelf access count
- Stay duration time measurement
- 3D movement path and height tracking
- Unauthorized access alerts
- Entry/exit counting
- Suspicious posture detection



## Smart Factory for a safe and efficient workspace

Smart Sensor visualizes worker behavior to enhance workspace efficiency and safety. It monitors movement, entry into restricted areas, and robot safety zones.

- Obstacle detection for equipment and AGV paths
- Virtual gate person counting
- Fall detection alerts
- Tracking people in designated area
- Contactless device operation
- 3D tracking of worker behavior
- Contributes to enhance safety, productivity, and quality



## Other usages

- Crowd detection in Elevators and waiting areas
- Movement Path heat map
- Suspicious person detection