



HYD Bed Exit Alert System

Real-Time Awareness for Better Care

Every bed exit is a care moment. Know it. Respond to it.



In-Bed



Sitting Up



Bed Exit

Patients or care recipients may leave the bed without assistance, especially during nighttime or unattended periods. The HYD Bed Exit Alert System is designed for hospitals, nursing homes, rehabilitation centers, assisted living facilities, and home-care environments. It provides continuous, contactless awareness of bedside activity and notifies caregivers in real time when care-relevant events occur.



Why Bed Exit Monitoring Matters



Timely Care Response

Know when patients leave the bed and provide assistance when needed.



Improved Patient Safety

Reduce unattended bed exits that may lead to safety incidents.



Better Care Visibility

Give caregivers real-time awareness of patient activity.



Reduced Caregiver Burden

Automate monitoring and allow staff to focus on patient care.



Camera-Free
3D Sensing



Reduced
False Alarms



Real-Time
Care Alerts



Contactless
Monitoring

How It Works & Core Capabilities

Accurate bed-exit awareness with privacy-preserving 3D sensing

Product Overview



Wall-Mounted Design
Installed above the bed for effective coverage



Camera-Free Operation
No conventional image recording



Edge AI Processing
Turns bedside activity into actionable care events



Built-In Voice Prompt
Supports customizable voice reminders



Ethernet / Wi-Fi Connectivity
Flexible network connection



Real-Time Event Detection
Outputs care-relevant alerts immediately

From Bed Status to Bedside Activity Awareness

1



In Bed



2



Sitting Up



3



Bed Exit



4



Caregiver / Nurse Station Alert



Real-time alerts help caregivers respond faster and provide better care.

Structured Care Events



Bed Occupancy



Patient Posture



Bed Exit



Fall



Prolonged Inactivity



Zone / Room Event

Designed For



Hospitals



Nursing Homes



Rehabilitation Centers



Assisted Living Facilities



Home Care



Key Benefits



Privacy-Preserving

No personal images captured or stored.



Reduced False Alarms

Designed for more accurate bed exit awareness.



Easy Integration

Ready to connect with partner systems.



Bedside Deployment

Wall-mounted design optimized for bedside care environments.

Lightweight Nurse Station Deployment

Ward-level bedside safety monitoring with local management and no dedicated server required.

Patient Rooms / Ward (Up to 16-40 Beds)



Local Management

One console for one nurse station or service desk.



Real-Time Alerts

Bed status and alarm notifications at the nurse station.



No Dedicated Server

Local deployment keeps infrastructure simple.



LAN / Wi-Fi

Connects over the local network.



API Expandability

Optional future connection to hospital platforms.

For wards and nursing units, HYD supports a lightweight local deployment model. Bed Exit Alert devices connect through the local network to a nurse-station all-in-one PC for alarm display, event logging and local management. A dedicated server is not required, while API integration can support future platform connection.



How It Works

1 Bedside Devices



Wall-mounted bed exit alert sensors detect patient movement.

2 Nurse Station Console



Receives alerts in real time and displays bed status at the nurse station.

3 Care Team Response



Staff respond quickly to alerts and provide appropriate care.



Hospitals

General wards and specialty units



Nursing Homes

Long-term care and residential care

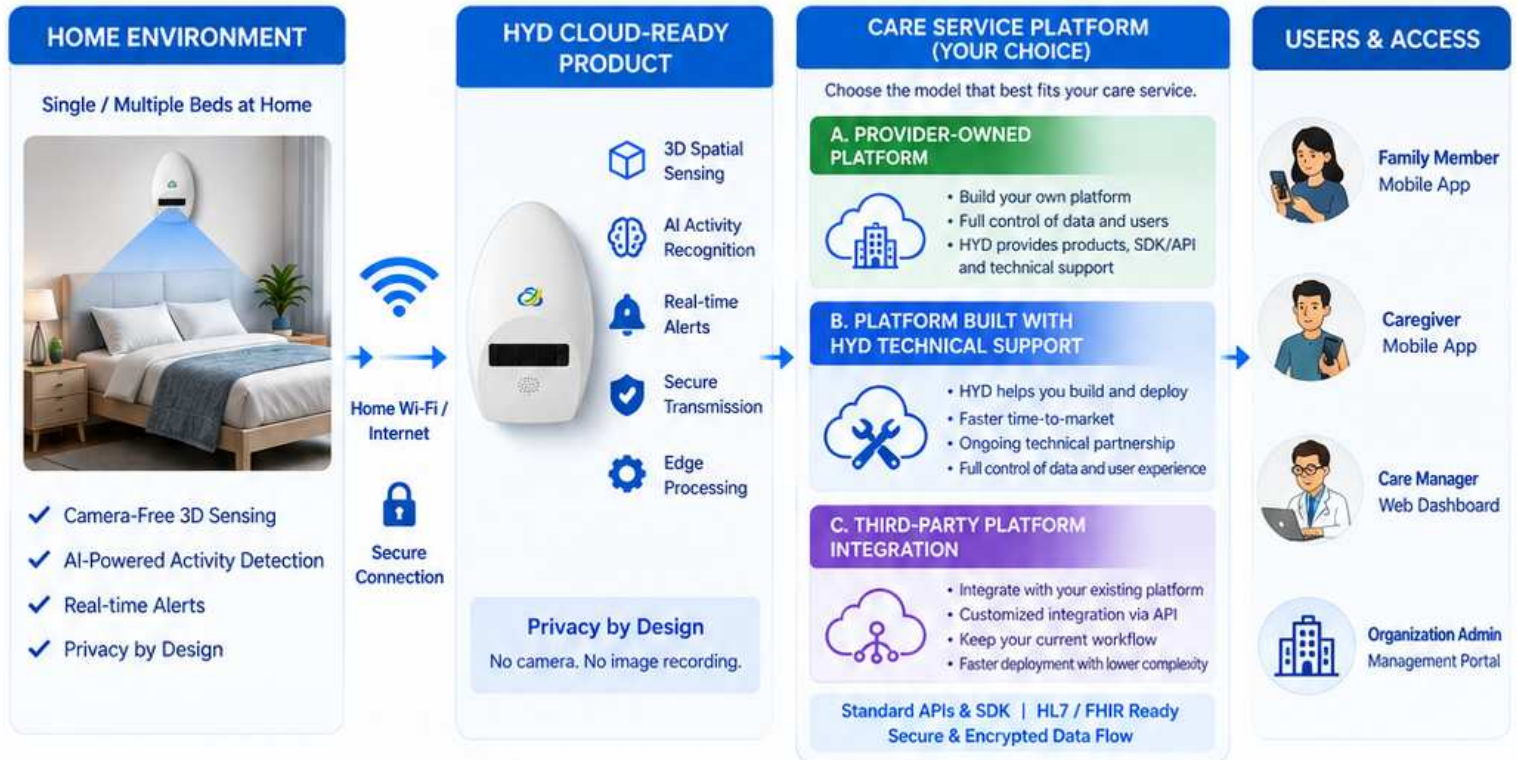


Assisted Living Facilities

Enhanced resident safety

Flexible Cloud-Ready Architecture for Home Care

AI-powered bed-exit alerts and real-time monitoring — accessible anytime, anywhere.



No Dedicated Server
No separate server required.



LAN / Wi-Fi
Connects over the local network or internet.



Accessible Anywhere
Care teams can view alerts anytime, anywhere.

Three Flexible Integration Models



Secure & Private
Privacy-preserving design. Data encrypted in transit and at rest.



Interoperable
Open APIs and SDK for seamless integration with care platforms.



Scalable
From single home to large care service networks.



Reliable
Enterprise-grade stability and uptime. Built for mission-critical care.



Trusted Partner
We work with you at every step — from deployment to long-term growth and innovation.

Real-time bed status awareness improves care efficiency and patient safety.

Integration & Partnership

Add privacy-preserving spatial intelligence without replacing your existing platform or workflow.

Keep your existing care platform and workflow.

HYD adds privacy-preserving spatial intelligence.

1 Regional Healthcare & Senior-Living System Integrators



HYD can be deployed as an independent bedside safety system for hospital wards, nursing homes, assisted living, and rehabilitation environments.



Hospitals



Nursing Homes



Assisted Living Facilities



Rehabilitation Centers

2 Nurse Call & Connected Care Partners



Nurse Call System

HYD can complement existing nurse call or care workflow systems by providing structured bedside safety events.



Easy Integration via API / SDK



Structured Safety Events



Enhance Care Workflow

3 Care Service Cloud Providers



HYD supports cloud-ready deployment and integration for providers delivering digital or community care services.



Cloud-Ready Architecture



Real-Time Care Insights



Privacy-Preserving by Design

4 Third-Party Care Platform Partners



Providers can keep their current system and workflow while HYD adds structured care events through integration.

Structured Care Events



Bed Occupancy



Patient Posture



Bed Exit



Fall



Prolonged Inactivity



Zone / Room Event

Three Flexible Deployment Paths

1



Standalone Local Deployment
Independent bedside safety system.

2



Direct Platform Integration
Connect to your existing platform via API / SDK.

3



Third-Party Platform Integration
Integrate with third-party care platforms.



Technical Specifications & Contact

Privacy-preserving spatial intelligence for safer care.



Privacy by Design



Camera-Free 3D Sensing



Real-Time Alerts



Better Patient Care



Technical Specifications

Mounting Height	2.2 m – 3.0 m
Detection Range	2.0 m ² – 16 m ²
Communication	Ethernet / Wi-Fi
Power Supply	DC 24V
Installation	Wall Mounted



Designed For



Hospitals



Nursing Homes



Rehabilitation Centers



Assisted Living Facilities



Home Care



Contact Us



HYD Technology



www.hyd-technology.com



hyd-ai@hyd-technology.com



+86-755-86336380



F Building, Xinghe World, Yabao Road,
Longgang District, Shenzhen, China



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