

Fall Risk Prevention & Early Incident Detection

- Posture and gait deviation analytics
- Real-time detection of **high-risk mobility patterns**
- Immediate alerts for **rapid clinical intervention**



Elopement & Patient Safety Management

- Privacy-preserving **continuous patient observation**
- Location intelligence to identify **wandering or exit-seeking behaviors**
- Supports dementia and **high-dependency patient** safety protocols

Clinical Value

- Mitigates caregiver burden
- Improves patient safety and service quality
- Ensures identity-secure clinical operations



High-risk Zone Safety Surveillance

- Restricted-area monitoring for patient & staff safety
- Unauthorized access detection
- Supports environmental safety compliance



Infection Status Monitoring & Care Coordination

- Continuous observation of respiratory condition
- Early detection of deterioration and complications
- Supports timely clinical intervention



Ward Workflow Optimization

- Automated behavior-aware escalation pathways
- AI triage to reduce false alarms and alarm fatigue
- Improved patient safety and nursing workflow efficiency

D Cloak

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Advanced Pixel-level De-identification Technology

Converts personally identifiable clinical imagery into privacy-preserving datasets **without compromising diagnostic utility**. Aligned with **NIST SP 800-226** and privacy-by-design medical governance.

AipA Smart Healthcare System

Precision Safety. Intelligent Clinical Care.

Other Applicable Industries

- Smart Industrial Operations
- Smart Healthcare
- Intelligent Surveillance
- Smart Robotics
- Smart Livestock Management
- Smart Aquaculture

AipA Smart Healthcare System | *No Identity Exposure. Proactive Risk Prevention.*

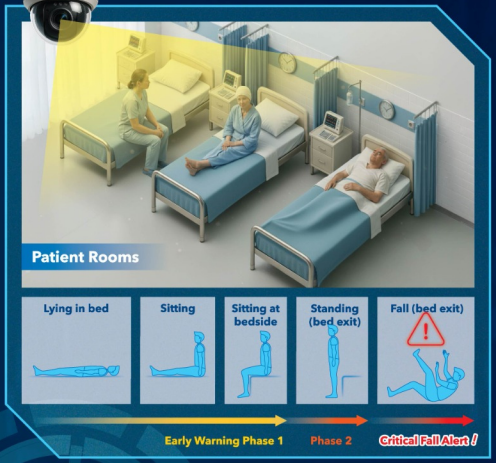
- **AI-assisted nursing manpower efficiency**
- **Smart upgrades to existing camera infrastructure**
- **Pixel-level de-identification for privacy protection**



Real-time Event Reporting



Risk Visualization in Patient Rooms



3 Core System Advantages

Reduced Nursing Workload
AI-assisted continuous monitoring and automated reporting **improves nursing efficiency**

Intelligent Equipment Upgrade
Seamlessly integrates with existing CCTV for **rapid AI enablement**

Reinforced Privacy Protection
Full-process de-identification to **ensure compliance with medical imaging privacy and safety regulations**



Clinical and Operational Outcomes

- **Privacy Assurance** | ISO/IEC 27001 & CNS 27001 certified
- **Safety Improvement** | Over 95% fall-risk detection accuracy in Taiwan deployments
- **Staff Support** | Reduces up to 80% of manual monitoring workload
- **Clinical Efficiency** | Enables 40% faster risk visibility and response

Technical Highlights

- **AI behavior recognition for fall-risk & adverse event prevention**
- **Edge computing deployment to avoid sensitive data exposure**
- **Real-time alerts enabling rapid clinical intervention**
- **Privacy-preserving analytics without identifying faces or identities**

