

Enhancing Safety for Hospitals

Protect patients and
staff while improving
critical care with visual AI





Hospitals are the most important and most vulnerable spaces in the world right now.

As admittance numbers spike, facilities face increased safety and operational risks that visual intelligence can help to mitigate for providers.

Risks

Exposure risk

Quarantine breaches and unauthorized personnel increase exposure risk to hospital staff and patients

Safety

Increased violence, safety incidents, fraud, drug diversion and other criminal activity

Operational friction

Higher throughput increases friction on legacy access control while reducing provision of care

Care continuity

As virus cases spike, staff are overburdened or out of commission, and patient care suffers

Computer Vision for Hospitals

Computer vision helps identify and distinguish between people to control access to physical spaces and digital services, and it identifies where people have been over time and how, when and where they have come in contact with one another.

Computer vision works by pairing AI-driven software with existing cameras or adding intelligent edge devices to points of entry.

This core technology has been adapted into specific capabilities to help hospitals enhance safety in the coronavirus epidemic.

Capabilities for Mitigating Risks



Contact Tracing

Rapidly track known threats or known carriers and their potential exposure path to protect staff, patients and community



Touchless Access Control

Enable fast, seamless entry to hospital facilities, without requiring the removal of masks



Internal Zone Control

Create and enforce digital barriers, and get alerts to signal breaches to sensitive or restricted areas



How These Capabilities Enhance Safety Across the Care Value Chain

Contact Tracing

Get real-time notifications when a known carrier or known threat enters a facility to ensure staff and other patients are adequately informed and protected.

Use historic footage from already-installed cameras to trace the location of known carriers in real-time, quickly determine exposure risk and make more accurate quarantine decisions to limit unnecessary staff downtime and ensure care continuity.

Touchless Access Control

Accelerate and safeguard onsite admission, limit surface contact and crowding in high-traffic areas, and allow employees to seamlessly unlock doors, turnstiles, or other entry points with their face - without requiring the removal of masks.

Eliminate issues like badge-sharing, better control access to entrances and internal zones or restricted areas by setting up alerts by time, location and team.

Internal Zone Control

Protect staff by monitoring and enforcing quarantines. Prevent unauthorized access to secure locations (e.g., ICU, pharmacy, maternity ward, operating rooms), quickly identify and segment new patients, and track their location in real-time.

Provide authorized individuals with fast, hands-free access to treatment areas, while minimizing the risk of cross contamination related to surface contact.

What to Look for in a Computer Vision Solution

These are the three differentiators to seek out to ensure rapid deployment, reliable performance and low total cost of ownership (TCO).

Performance Differentiators



Liveness detection

system distinguishes between a living person and a photo



Adaptability

performs in low light, poor picture quality and high density



Real-time and forensic

provides instant alerting and allows historical search

TCO Differentiators



Uses existing hardware

requires no change of camera infrastructure to perform



Processing efficiency

allows highest number of streams per GPU



Scalability

supports multi-site, high volume usage

Being aware of who is onsite – and who goes where – inside your facilities at all times is paramount to keeping staff, patients and visitors safe and operations running.

AnyVision's visual AI software makes it easier for healthcare staff to **create a safe environment and limit operational disruptions related to health and security risks** both now and beyond the COVID-19 crisis.

About AnyVision

AnyVision is the world's leading developer of visual AI platforms, helping Tier-1 brands across the globe create trusted, seamless experiences for their customers and employees. Our solutions are built to function on any sensor, with any resolution and are proven to operate in real-time and real-world scenarios. We bring together the best and brightest minds in AI, deep learning and computer vision to make the world a safer, more intuitive and more connected place.