



Enhancing Safety for Hospitals

Protect patients and staff while
improving critical care with visual AI





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

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

Risks

Staff exposure

Quarantine breaches and unauthorized personnel increase exposure risk to hospital staff

Tracking exposure risk

Difficult to keep track of known carriers and potential exposure paths

Operational friction

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

Care continuity

As viruses cases spike, care to the general population suffers

Visual AI for Hospitals

Visual AI helps identify and distinguish between people control access to physical spaces and digital services. The technology also retraces people's footsteps, helping to identify where they've been, for how long, with whom and when.

Facial recognition technology works by pairing AI-driven software with existing visual sensor hardware 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



Watchlist Alerting

Rapidly track known carriers and potential exposures to protect staff, patients and community



Touchless Access Control

Use facial recognition to control facility access



Internal Zone Control

Create and enforce digital barriers, and get alerts to signal breaches to support quarantine efforts



How These Capabilities Enhance Safety Across the Care Value Chain

Watchlist Alerting

Oosto's Watchlist Alerting solution allows operators to use historic footage from already-installed cameras to trace the location of known carriers in real-time and enforce quarantine efforts remotely.

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.

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 and better control access to facility 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 distancing and quarantines. Prevent unauthorized access to secure locations (e.g., ICU), quickly identify and segment new patients, and track their location in real-time.

Ensure that only authorized people are in treatment areas and hasten recovery of patients by eliminating cross contamination.

What to Look for in a Visual AI 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

Awareness 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.

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

About Oosto

Oosto 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.

For more information, please contact us at: info@oosto.com

