

Stadium Safety Made Simple: Total Visibility, Rapid Action & Reliable Evidence with Wavestore VMS



Stadiums and arenas must keep fans, performers and staff safe through the highs of live events and the quiet windows of build, breakdown and closure. With high footfall and complex back-of-house operations, security teams need to detect risks early, coordinate responses and protect the venue.

Wavestore's open-platform VMS unifies high-resolution video, deep-learning analytics and third-party systems to deliver resilient recording, rapid investigation and audit-ready evidence.

Ensuring Safe Stadiums for Fans, Performers & Staff

Wavestore's VMS unifies cameras, analytics, and partner systems to deter crime, manage crowds, and resolve incidents fast—without disrupting events or compromising privacy. Below are four core gains that strengthen protection, speed response and keep facilities available.

Fan Safety & Crowd Intelligence

People counting, occupancy thresholds, dwell and directional-flow analytics provide real-time alerts for overcrowding, contraflow, blocked egress and queue build-up—supporting safe movement and interventions.

Efficient Incident Management and Analysis

Offers advanced capabilities for tracking and investigating incidents, aiding in swift and effective resolution.

Centralised Operational Efficiency

Wavestore's open platform unifies video, access control, alarms, and third-party systems in one interface—cutting tool sprawl, streamlining workflows, and lowering costs. Estate-wide health monitoring and reporting further boost uptime and response.

Privacy & Ethics by Design

End-to-end encryption (up to 4096-bit), SSL/TLS and granular permissions safeguard data. Flexible operating modes and policies support GDPR-aligned access, control and non-discrimination.

Addressing Stadium & Arena Challenges

Challenges

Opportunities

Maintaining Open yet Secure Spaces

Venues aim to keep their environments open and accessible to fans while upholding safety and security.

Intelligent Surveillance Solutions

Wavestore integrates with third-party access control and intruder detection; role-based permissions, anti-tailgating analytics and automated workflows alert operators to threats and speed response.

Personal Safety in High Activity Environments

Incidents can escalate quickly in stands, concourses and hospitality. Responders need fast, reliable visibility and evidence.

Behaviour analytics & coordinated response

Deep-learning analytics detect unusual or aggressive behaviour in real time. Coordinated alerts and actions; near-instant playback and multi-camera sync speed investigation and reporting.

Maintaining Data Privacy & Security

Authorities must protect recorded evidence and associated metadata while enforcing privacy, retention and audit requirements.

Privacy-First Security Solutions

End-to-end encryption (up to 4096-bit), SSL/TLS, robust audit trails, and role-based permissions secure sensitive material. Policy-based retention and secure export maintain evidential integrity and simplify compliance documentation.

Detecting anomalies and resolving cases fast

Identifying threats early – from hostile behaviour, perimeter breaches, crime and unauthorised movement – is essential to protect personnel, assets and infrastructure at all times.

Intelligent Analytics and Automated Incident Response

Powered by deep-learning analytics and integration with access control, IDS, ANPR, facial recognition and more, Wavestore enables proactive monitoring and automated alerts using Boolean logic.

Crowd Intelligence & Event Management

Managing people flow, occupancy and staff allocation across dispersed sites is difficult without clear data.

Unveiling Hidden Insights

Deep-learning analytics provide people counting, occupancy, dwell and directional flow to optimise staffing and room use. Dashboards and integrations (e.g., BI tools) support a safe, efficient stadium experience.



Solutions for a world we can't yet see

Visit [wavestore.com/sectors/stadiums](https://www.wavestore.com/sectors/stadiums) for more information.

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