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Securing Cities: Visibility, Rapid Response & Evidence Integrity with Wavestore VMS

Modern cities demand high-visibility security, continuous operations, and responsible data use. From downtown districts and parks to transit hubs and major events, agencies need verifiable situational awareness, long-term evidence retention, and a platform that integrates systems.

Wavestore's open-platform VMS delivers resilient recording, rapid investigation tools, and deep integrations—helping teams deter crime, coordinate responses, and demonstrate compliance across complex, citywide estates.

Building a Safer and Smarter City Environment

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

Comprehensive Protection for Public Safety

Vigilant monitoring across streets, parks, transit hubs, and venues—helping protect residents and visitors in real time.

Efficient Incident Management and Analysis

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

Flexible Adaptation to City Operations

Our system adjusts seamlessly from daily operations to special events-supporting safe crowd management and quicker interventions.

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.

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Addressing City Surveillance Challenges

Challenges	Opportunities
Maintaining Secure Urban Spaces Cities need a centralised VMS that fuses signals and video, raises real-time alerts, and makes reviews fast and reliable—so loitering, aggression/fights and other precursors are spotted early.	**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: 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 city experience.

Solutions for a world we can't yet see

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