

From Fragmented Signals to Real-Time City Intelligence

Cities generate vast amounts of data from video systems, citizen channels, and public services, but much of it remains disconnected and underutilized across city operations.



HoloXit introduces a 'City Brain' approach, enabling more advanced coordination and decision support across city operations.

Powered by Intel® Edge AI, the HoloXit Unified Intelligence Platform unifies this data into a real-time intelligence layer, enabling coordinated and actionable city operations.

The Challenge: Fragmented City Operations

Municipal governments must manage increasingly complex and distributed data environments in which critical information is often isolated across systems. This makes it difficult to establish a unified operational view during routine operations and crisis situations.

As a result, decision-making is delayed, coordination across agencies is inefficient, and existing infrastructure investments are underutilized.

The Solution: Unified Operational Intelligence

HoloXit provides a centralized intelligence platform that integrates diverse data sources into a single operational view. By combining real-time data ingestion, AI-driven analysis, and workflow coordination, the platform enables cities to move beyond passive monitoring toward active operational management.

The platform integrates multiple dimensions of city intelligence, including:

- Urban behavior insights from video analytics and monitoring systems
- Public perception signals from digital and social channels
- Citizen reporting input from applications and service portals
- Service interaction workflows to support coordinated response

Why It Matters:

By unifying these data streams, cities can improve operational efficiency and decision-making across multiple domains. This approach enables:

- Improved visibility across departments and agencies
- Faster response to incidents and service requests
- Better utilization of existing infrastructure investments
- More coordinated service delivery across functions
- Data-driven planning and long-term urban development



Intel® Edge AI Foundation

The HoloXit platform is built on Intel's robust compute and AI ecosystem, enabling scalable and high-performance deployment across diverse environments.

Intel® Xeon® processors provide the processing capability required for large-scale data fusion and centralized operations, while Intel® Arc™ graphics accelerate visual AI workloads for real-time analytics. Intel's Metro AI Suite and OpenVINO™ toolkit further enable optimization and portability of AI models across edge and cloud environments.

The platform is designed to run across Intel® architecture, including Intel® Xeon®, Intel® Xeon® W, Intel® Core™, and Intel® Core™ Ultra processors, allowing flexible deployment from data centers to edge locations.

AI-Driven City Intelligence

HoloXit introduces a "City Brain" approach, where AI extends beyond monitoring to support understanding, coordination, and decision-making across city operations.

By combining multiple data sources across behavior, perception, and interaction, the platform enables:

- Real-time understanding of city conditions
- Prioritization of incidents based on context
- Coordination of cross-agency workflows

This approach supports a transition from reactive operations toward more proactive and adaptive city management.

Key Use Cases

The platform supports a range of operational scenarios across urban environments.

Integrated command center operations provide a unified view of city conditions, combining video, alerts, and citizen inputs into a single dashboard. Citizen issue management improves the intake, classification, and resolution of public service requests. Urban trend analysis enables cities to identify patterns and emerging risks, supporting better planning and decision-making.

Deployment Approach

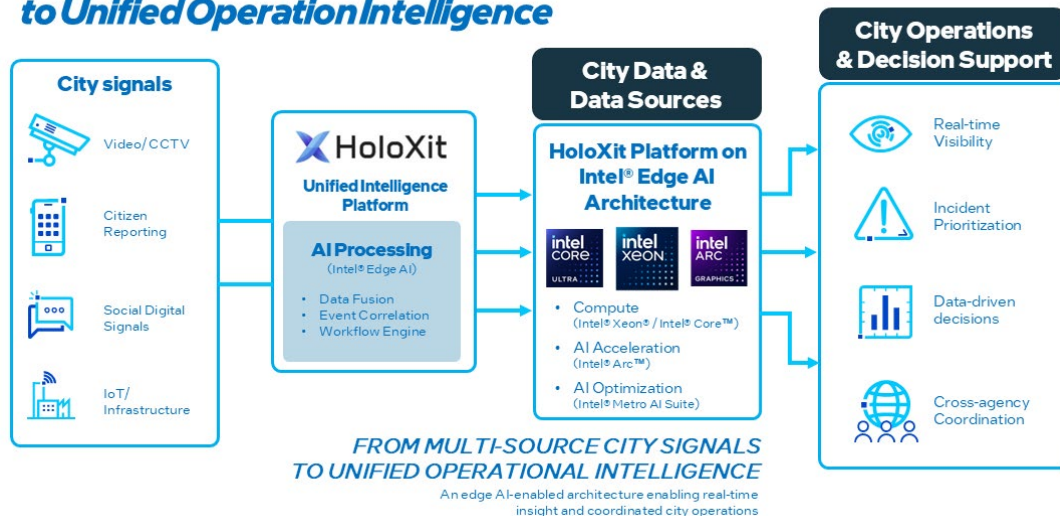
HoloXit follows a phased deployment model that allows cities to modernize progressively without large-scale system disruption.

Cities can begin with a single operational domain, integrate additional data sources over time, enable cross-agency workflows, and eventually expand toward a full operational intelligence platform. This approach reduces implementation risk while maximizing the value of existing investments.

Conclusion

By unifying multi-source city signals into a single operational intelligence layer, HoloXit, powered by Intel® Edge AI, enables cities to transform fragmented data into coordinated, real-time operations. This supports faster decisions, improved service delivery, and more efficient urban management.

From Multi Source City Signals to Unified Operation Intelligence



Learn more

Learn more about how HoloXit and Intel are enabling edge AI video surveillance solutions for smart cities:

[Video & AI Cities Community](#)

[Intel® Metro AI Suite](#)

For collaboration opportunities, solution deployment, or technical integration support, please contact:

Email: cities@intel.com



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