



AVIDBEAM TECHNOLOGIES

# Smart Cities Solutions

Video analytics has various applications in smart cities, from providing real-time insights into critical business operations, improving traffic flow, to enhancing public safety & security. AvidBeam software modules automatically analyzes video surveillance live streams to extract wealthy useful business intelligence information

[WWW.AVIDBEAM.COM](http://WWW.AVIDBEAM.COM)

# Smart Cities

With AvidBeam solutions, cities can now leverage technology to optimize their operations, improve public safety, and manage traffic. When collected they can provide valuable insights that can help cities make data-driven decision about their development strategies



Ease of  
Integration



Cost  
Saving



Customer  
Centric



Scalability &  
Flexibility



Efficiency  
Optimization



**GenAI-enabled** Turn videos into language

## Sector Challenges

- ✓ Enhance Security
- ✓ Traffic Management
- ✓ Public Safety
- ✓ Crowd Management

AvidBeam Solutions Can Help You Transform Smart Cities Operations, Safety and Security Challenges



### TRAFFIC MANAGEMENT

- License Plate Recognition
- Detect Vehicle Speed
- Monitor Traffic Flow
- Traffic Violations Detection
- Vehicle Count
- Seatbelt Violation
- Illegal Parking
- Wrong Direction Detection
- Traffic Light Violation
- Vehicle Classification



### TRANSPORTATION HUBS

- Passenger Count
- Facial Recognition
- Passenger Database
- Left Object Detection
- Watchlists
- Intrusion Detection
- Anomaly Detection
- Loitering Detection
- Unusual Crowd Detection
- Social/ Safety Distance
- Gender/Age Detection
- Heat Maps Analysis



## LAW ENFORCEMENT (public safety)

- Loitering Detection
- Fighting Detection
- Anomaly Detection
- Left Object Detection
- Unusual Crowd Detection
- Facial Recognition
- Fire & Smoke Detection
- Create Watchlists



## SMART BUILDINGS

- Intrusion Detection
- Loitering Detection
- Unusual Crowd Detection
- Visitor Count
- Visitor Watchlists
- Gender/Age Detection
- Left Object Detection
- Visitors Database
- Fire & Smoke Detection



## RETAIL AREAS

- Face Recognition
- Visitor Count Visitor
- Journey Map
- Age/Gender Detection
- Heat Map Analysis
- Visitor Pathway Analysis
- Access Density Analysis
- Customer Traffic Forecast
- Cashier Queue Management
- Customer Flow & Distribution

## AvidBeam's Comprehensive Dashboard



The 'New Widget' screen includes fields for 'Widget Name', 'Configuration' (with a 'Distribution' checkbox), 'Sources' (with 'No Items Selected'), and 'Analytic Type' (with a 'Select a type' dropdown).

Comprehensive View

Customizable Layout

Custom Queries

Custom Reports



Fast Advanced Search

Custom Widgets



AvidBeam® Technologies, founded by former Intel professionals and headquartered in the Netherlands, delivers AI-powered video analytics built on deep learning, computer vision, GenAI and big data architectures. Its scalable, fault-tolerant platform emphasizes integration flexibility and hardware optimization. Certified by NVIDIA and Intel, AvidBeam integrates with leading VMS and IoT systems, and globally trusted by critical infrastructure, smart cities, governments, and enterprises including Fortune 500 companies.



[www.avidbeam.com](http://www.avidbeam.com)  
[info@avidbeam.com](mailto:info@avidbeam.com)

---