

AVIDBEAM TECHNOLOGIES

ITS Sector Solutions

Video analytics is a key technology used in Intelligent Transportation Systems (ITS). AvidBeam software modules automatically analyzes Video Surveillance footage from traffic cameras, detecting and tracking vehicles, improve traffic flow, public safety and ensure traffic regulation compliance.

ITS Intelligent Transportation System

Video Analytics help improve traffic flow by providing insights on traffic patterns. Enhance public safety by detecting speeding vehicles, identifying traffic violations and ensuring legal compliance.



Ease of Integration



Cost Saving



Customer Centric



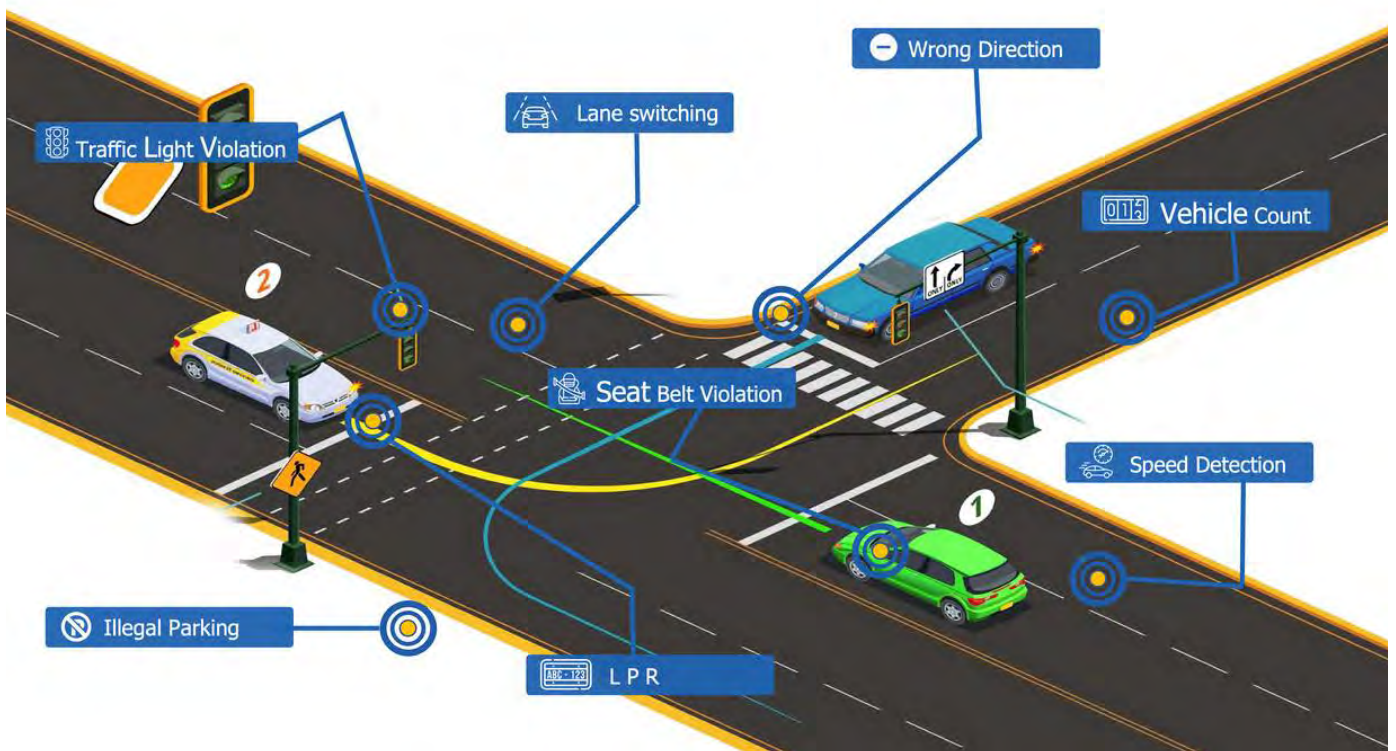
Scalability & Flexibility



Efficiency Optimization

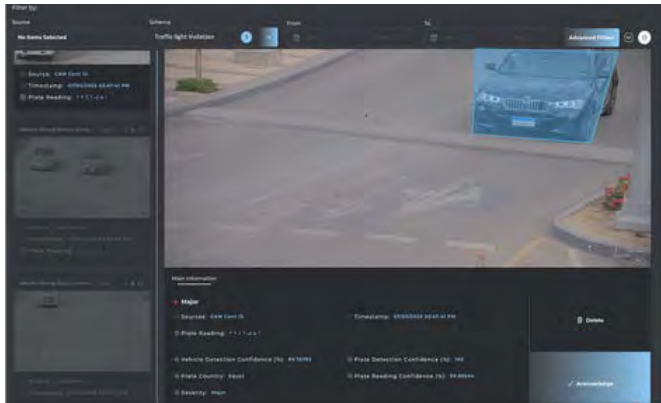
Sector Challenges

- ✓ Traffic Management
- ✓ Public Safety
- ✓ Traffic Violation Detection
- ✓ Incident Detection
- ✓ Parking Monitoring
- ✓ Traffic Patterns



AvidBeam Solutions For Intelligent Transportation Systems Help Improve Operations, Safety and Security Challenges

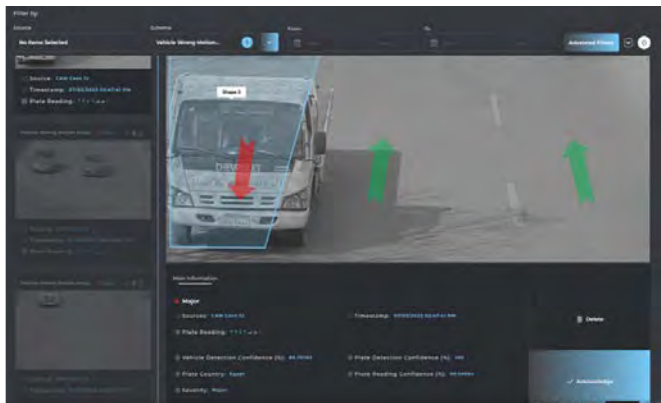
[1] TRAFFIC VIOLATIONS DETECTION



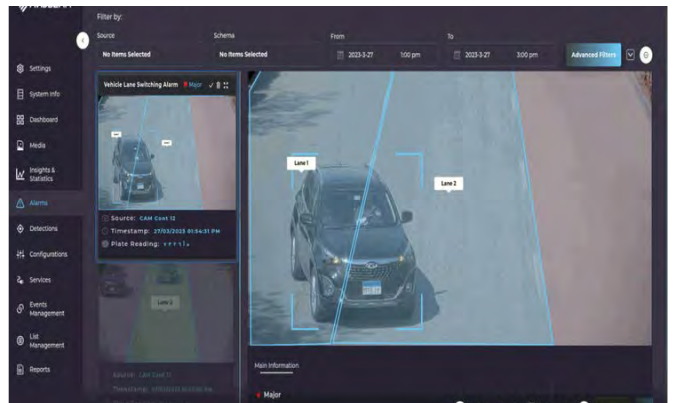
Traffic Light Violation



Car Speed Detection



Wrong Direction Detection



Lane Switching



Mobile Usage



Seatbelt Violation

[2] LICENSE PLATE RECOGNITION



Arabic & English LPR



Vehicle Flow Count

Main Information

- Minor
- Sources: LPR
- Timestamp: 09/03/2023 03:16:35 PM
- Plate Reading: ٩٢٤٨ د ط ي
- Main List: Car Black List
- Vehicle Detection Confidence (%): 99.9511719
- Vehicle Make: Mitsubishi
- Vehicle Color: White
- Plate Detection Confidence (%): 99.9511719
- Plate Type: حلاكي
- Plate Country: Egypt
- Plate Reading Confidence (%): 99.960556
- List ID: 63f4db8a0cd6900052f55603
- Severity: Minor

- Vehicle Classification
- Color Indicate Car Color
- Make Identify Car Model
- Type Identify Vehicle Type

[3] Reports & Insights Dashboard

- Comprehensive View
- Customizable Layout
- Custom Queries
- Custom Reports
- Fast Advanced Search
- Custom Widgets

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AvidBeam® is an AI video analytics company that pushes the boundaries of video processing capabilities with big data distributed architecture. Its expertise in computer vision, deep learning, visualization and neural networks enable AvidBeam® to offer scalable video analytics solutions for security, safety and business intelligence applications to its customers. AvidBeam team delivers video processing and analytics products cutting across various verticals and geographies including Smart Cities, Smart Retail, Transportation, Oil & Gas, Healthcare, Education, etc in the Middle East, Gulf and North America. Headquartered in the Netherlands with teams in the US, Egypt and Saudi Arabia



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