

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.

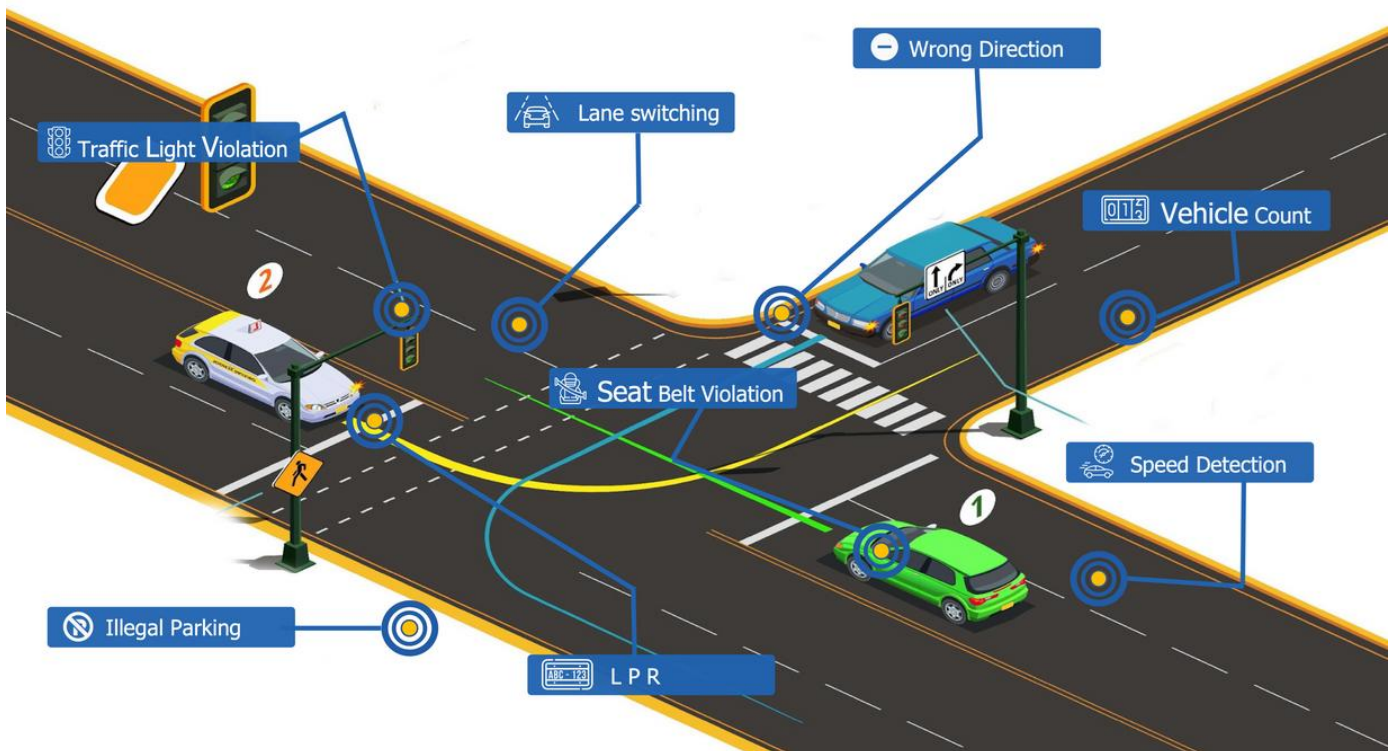
-   
 Ease of Integration
-   
 Cost Saving
-   
 Customer Centric
-   
 Scalability & Flexibility
-   
 Efficiency Optimization



**GenAI-enabled** Turn videos into language

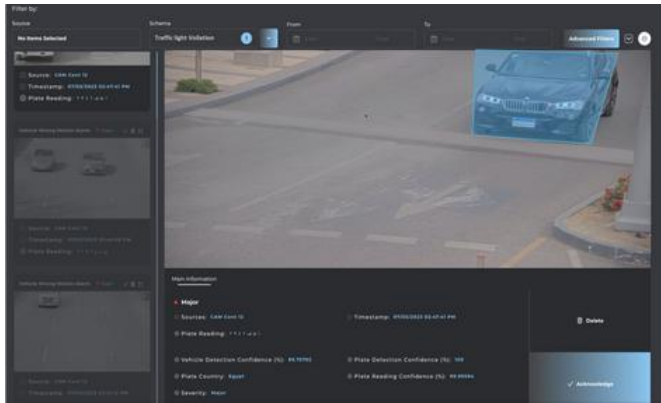
## Sector Challenges

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



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

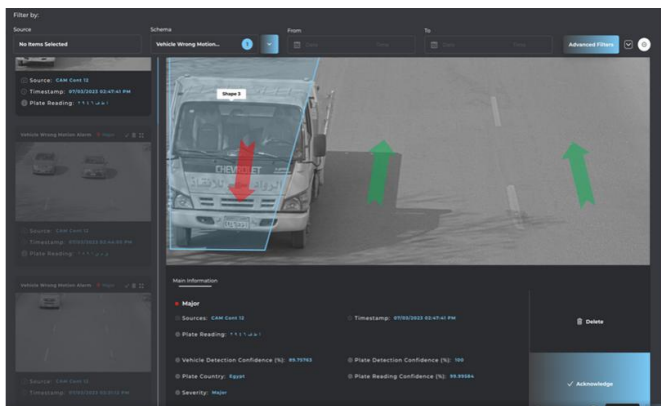
## [1] TRAFFIC VIOLATIONS DETECTION



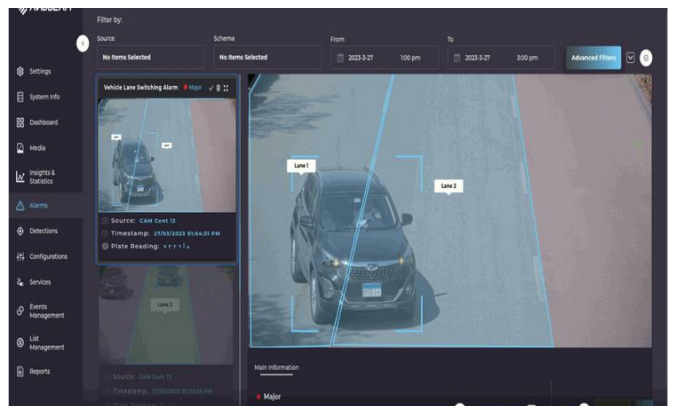
Traffic Light Violation



Car Speed Detection



Wrong Direction Detection



Lane Switching

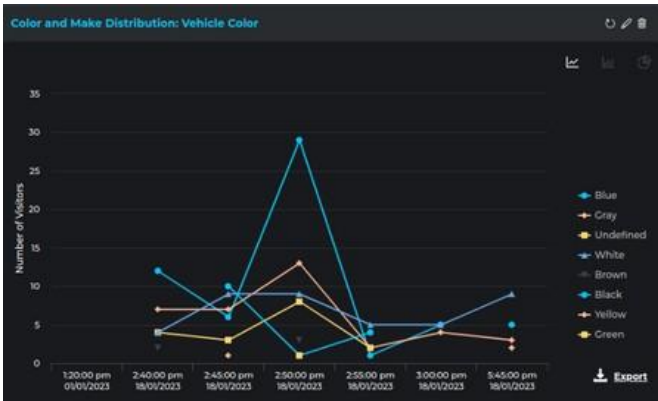


Mobile Usage

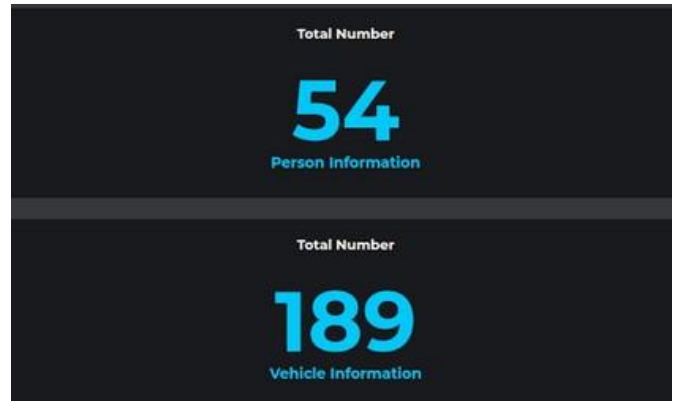


Seatbelt Violation

## [2] LICENSE PLATE RECOGNITION



Arabic & English LPR



Vehicle Flow Count

**Main Information**

- Minor
- Sources: LPR
- Plate Reading: د ط ي ٤٨ ٩٣
- Vehicle Detection Confidence (%): 99.9511719
- Vehicle Color: White
- Plate Type: ملاكبي
- Plate Reading Confidence (%): 99.960556
- Severity: Minor
- Timestamp: 09/03/2023 03:16:35 PM
- Main List: Car Black List
- Vehicle Make: Mitsubishi
- Plate Detection Confidence (%): 99.9511719
- Plate Country: Egypt
- List ID: 63f4db8a0cd6900052f55603

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 TECHNOLOGIES



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.



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