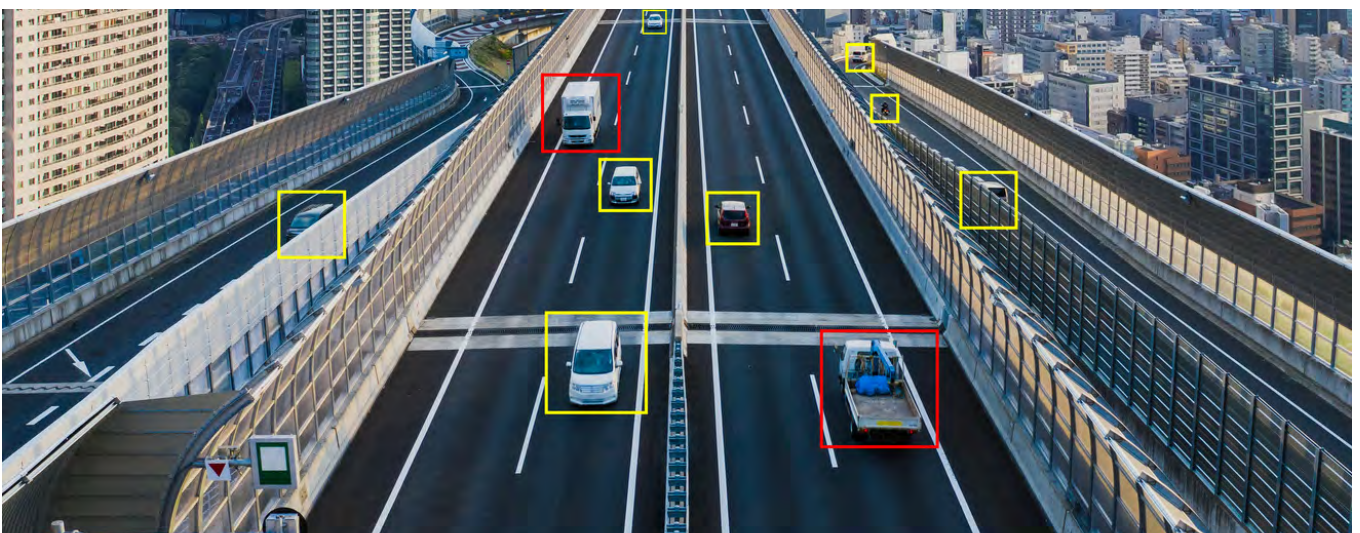AVIDBEAM

AVIDBEAM TECHNOLOGIES

AvidAuto

The Essence of Safety

AvidAuto

An Intelligent vehicle-flow analytics solution that translates data into meaningful visual information

- Vehicle Count (Daily/Weekly/Monthly)

- Access Density Analysis (access volumes based on time-of-day

- Known access (residents/staff) vs. Unknown Access Durations

- License Plate Recognition

- Identify Vehicle Plate Type

- Patterns of Movement (Track a Specific Vehicle)

- Traffic Forecast Based on History

- Search for Cars by License Plate, Color, Make and Model.

- Create Vehicle Watchlist (Deny/Allow Lists)

- Diversified Data Search Queries

- Images of Vehicles Per Each Detection

- Graphical Representation of Data

- Detailed Analytics About Any Car (Trending, Forecasting, etc.)

- Comprehensive Dashboard

AVIDBEAM

Technical Requirements

General System Specifications

- Integrated with different VMS (Milestone, Genetec) or deployed as a separate stand-alone application.
- Could be run On Premise, Private Cloud, and Public Cloud to support flexibility in installations
- Supports high availability, fail over and N+1 (more) redundancy architecture
- A web-based user friendly browser interface for entering user queries and displaying query results
- Interfacing with OnVIF compliant IP camera(s) or reading from surveillance DVR
- State of the art computer vision and image processing algorithms optimized for GPU and CPU
- Scalable (easy to support any number of cameras)
- Customizable and configurable by client (Frame rate selection, camera management, ROI selection, etc.)
- Day/Night Recognition
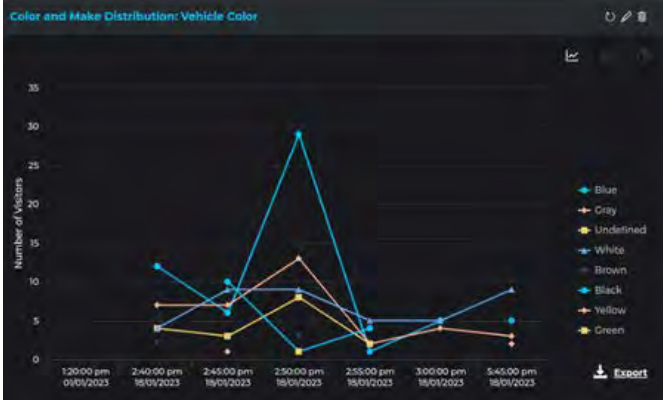
Hardware Requirements

- Supports wide range of cameras from 2 Mega Pixels up to 4K
- Lens: 3 – 12 mm (parking/gated communities) or 24 - 55 mm (free flow)
- 2 GB of memory / camera
- CPU 2.4 Giga Hertz
- One Virtual Core / Camera
- Support different types of GPU cards

System Recommendations

- More than 96% for English / Arabic License Plate Detection
- More than 92% for English / Arabic License Plate Recognition

AvidAuto in Action
Vehicle Density Analysis
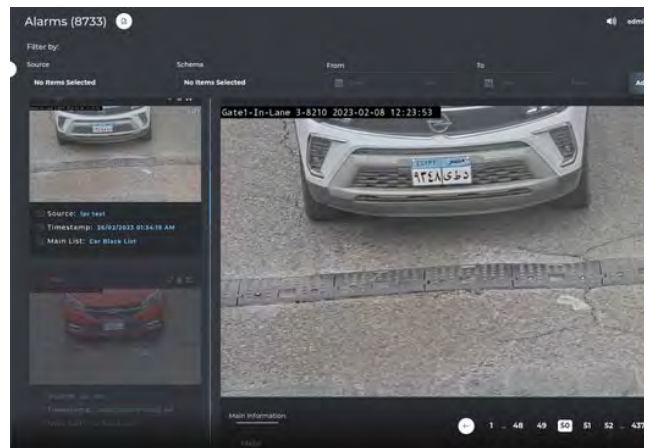

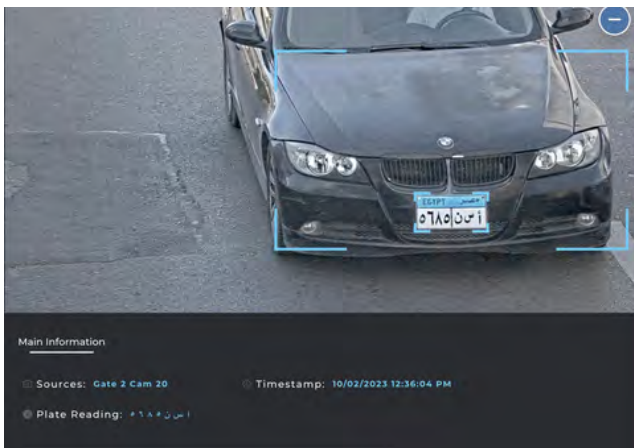

| ✓ | Identify Vehicle Count for Single/Multiple Areas |
| ✓ | Identify Access Volumes Based on Time-Of-Day |

| ✓ | Monitor Total Entrances by Color, Make, License No, etc. |
| ✓ | Forecast Vehicle Access Rush Hours |

AvidAuto in Action
License Plate Recognition

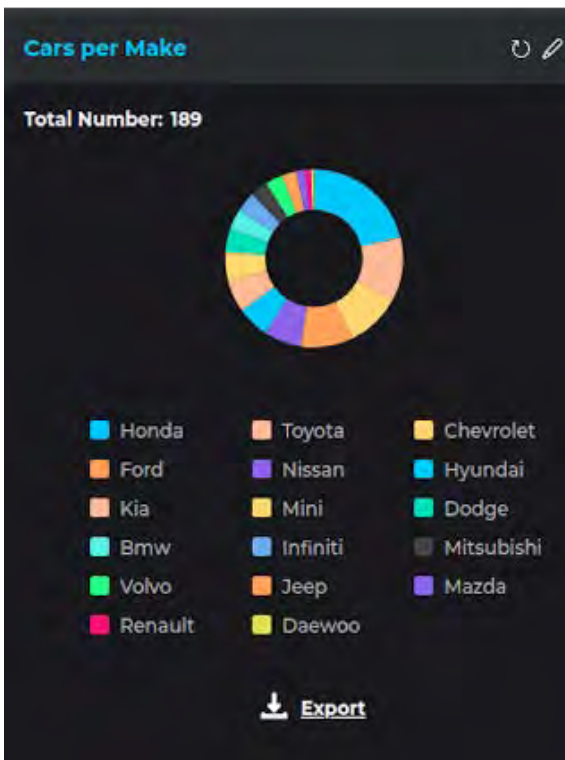| ✓ | License Plate Recognition Arabic/ English |
| ✓ | Identify Vehicle Plate Type (Private, Bus, Police, etc.) |

| ✓ | Track Vehicle Movement by License Plate Number |
| ✓ | Create & Identify Vehicle Watchlists (Allow/Deny List) |

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AvidAuto in Action
Comprehensive Dashboard

- ✓ Custom Queries & Reports by Vehicle Model, Color, etc.
- ✓ Customizable Dashboard Layout
- ✓ Fast Advanced Search by Car Plate No, Model, Color, etc.
- ✓ Customizable Widgets & Analytics

AVIDBEAM TECHNOLOGIES

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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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