

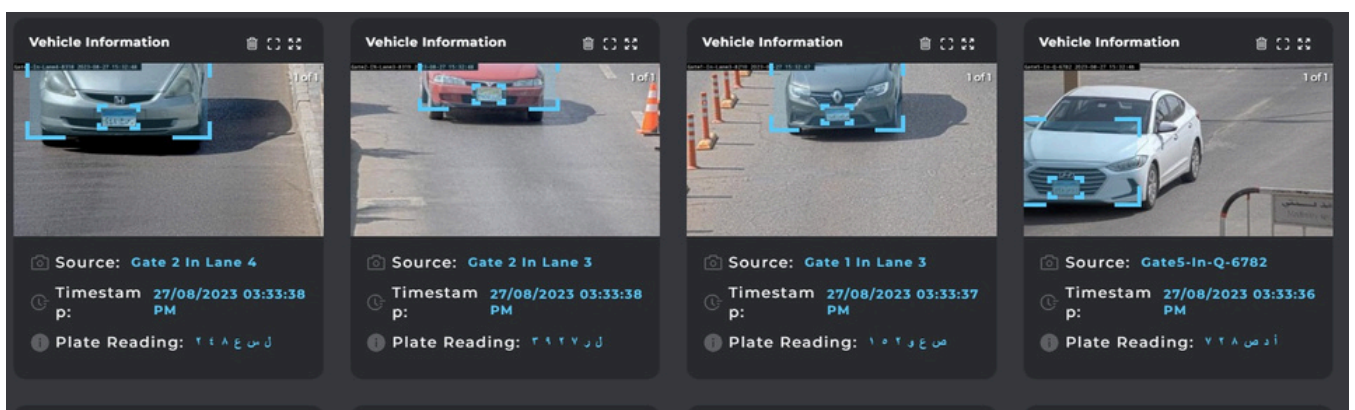
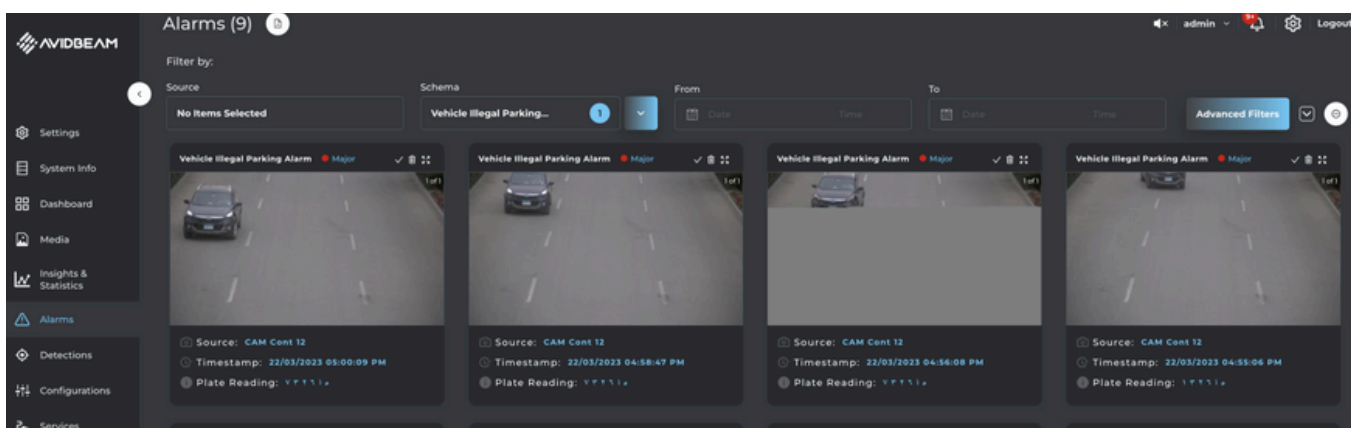
AvidAuto

The Essence of Safety

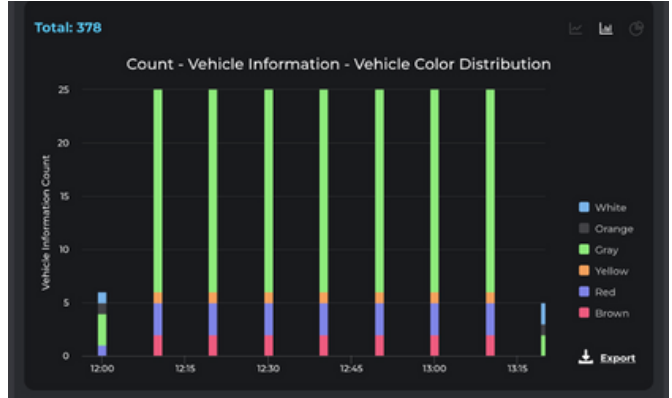
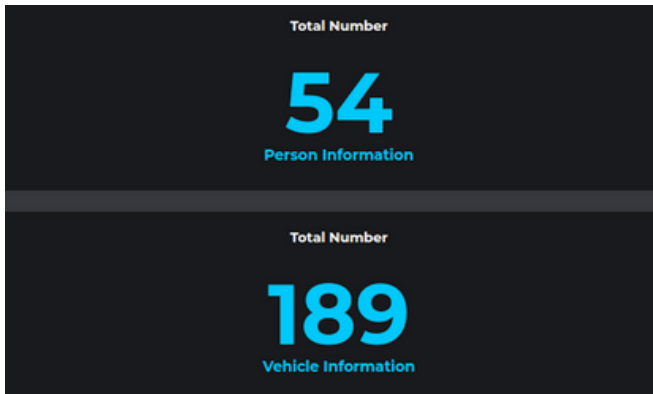
AvidAuto

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

- ✓ License Plate Recognition
- ✓ Identify Vehicle Plate Type
- ✓ Vehicle Count (Daily/Weekly/Monthly)
- ✓ Known access (residents/staff) vs. Unknown Access Durations
- ✓ Access Density Analysis (access volumes based on time-of-day)
- ✓ Vehicle Access Control
- ✓ Patterns of Movement (Track a Specific Vehicle)
- ✓ Search for Cars by License Plate, Color, Make and Model.
- ✓ Create Vehicle Watchlist (Deny/Allow Lists)
- ✓ Diversified Data Search Queries
- ✓ Graphical Representation of Data
- ✓ Easily Integrated with Access Control and IoT Platforms
- ✓ Diversified Set of Configurable Lists & Alarms



Visitor Access Density Analysis



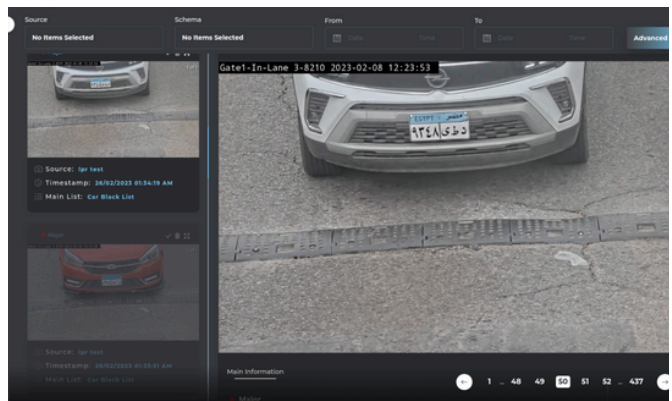
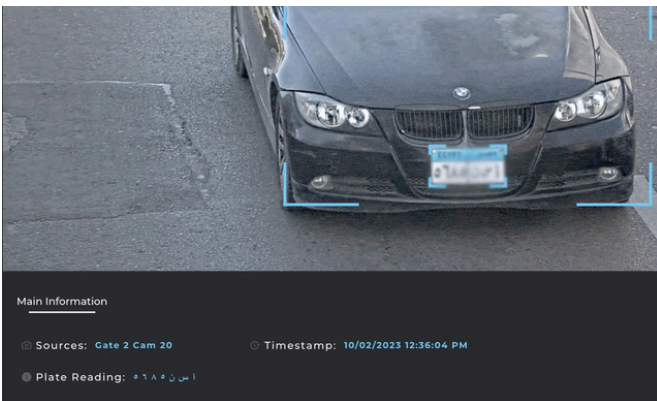
License Plate Recognition Arabic/English

Track Vehicle Movement by License Plate Number

Identify Vehicle Plate Type (Private, Bus, Police, etc.)

Create & Identify Vehicle Watchlists (Allow/Deny List)

Visitor Access Density Analysis



Identify Vehicle Count for Single/Multiple Areas

Monitor Total Entrances by Color, Make, License No, etc.

Identify Access Volumes Based on Time-Of-Day

Forecast Vehicle Access Rush Hours

ATUN

ATUN is Avidbeam's scalable video analytics platform, designed to run advanced computer vision algorithms on video streams or files. It supports edge, on-camera, data center, and hybrid deployments while seamlessly integrating with third-party systems. ATUN is a comprehensive solution for efficient and versatile computer vision processing.



OUTPERFORMING

- Flexibility in Deployments
- Framework Agnostic
- Hardware Agnostic
- Camera Agnostic



SCALABLE

- Supported Deployment Modes
- Edge processing mode
- Data center processing mode
- Hybrid mode

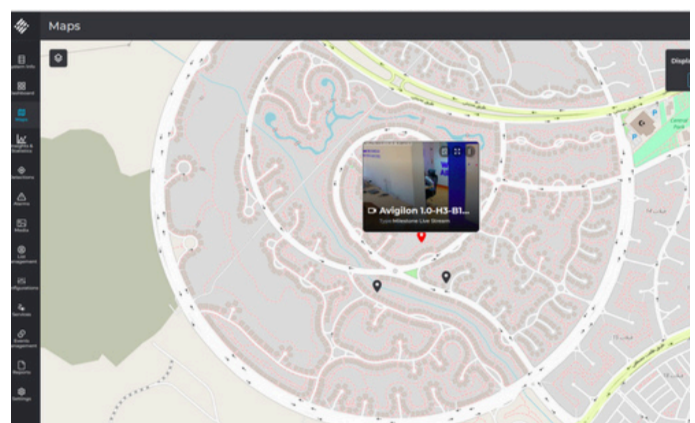
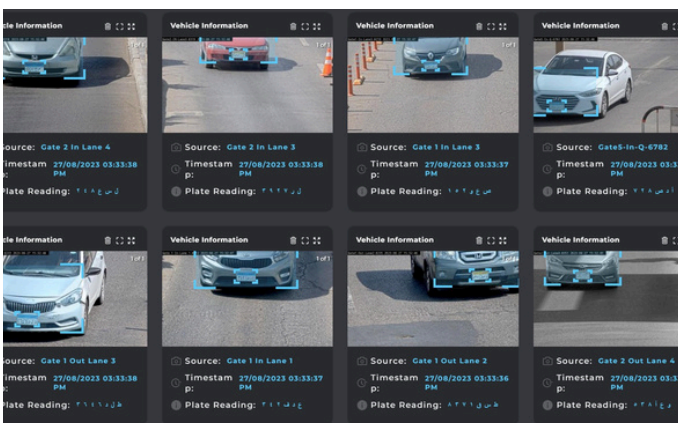
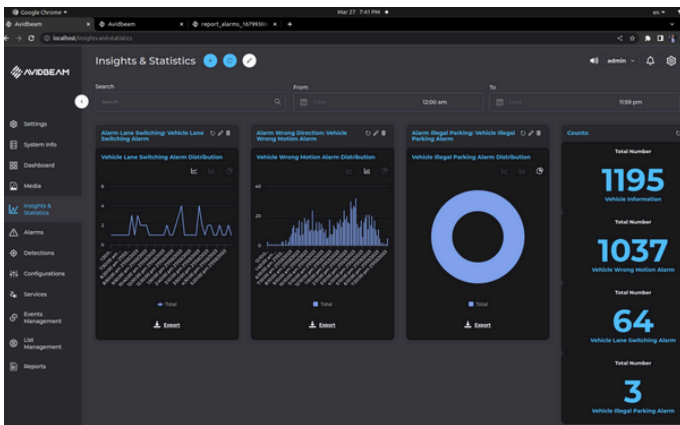


COST EFFICIENT

- Distributed processing
- Automatic upscaling and downscaling
- Easy roll-in and roll-out of running processing units

AvidBeam's Dashboard

- ✔ Customizable Dashboard
- ✔ Fast Search
- ✔ Custom Widgets
- ✔ Comprehensive Statistics
- ✔ Built-In Maps
- ✔ Custom Queries



General 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

- ✓ A built-in retention policy allows the user to specify a duration during which the data will remain on the database.
- ✓ Storage requirements are minimal compared to a typical VMS.
- ✓ A single database record requires approximately 150KB-200KB of storage based on the camera resolution and selected ROI.

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
- ✓ Supports 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

AVIDBEAM TECHNOLOGIES



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



www.avidbeam.com
info@avidbeam.com