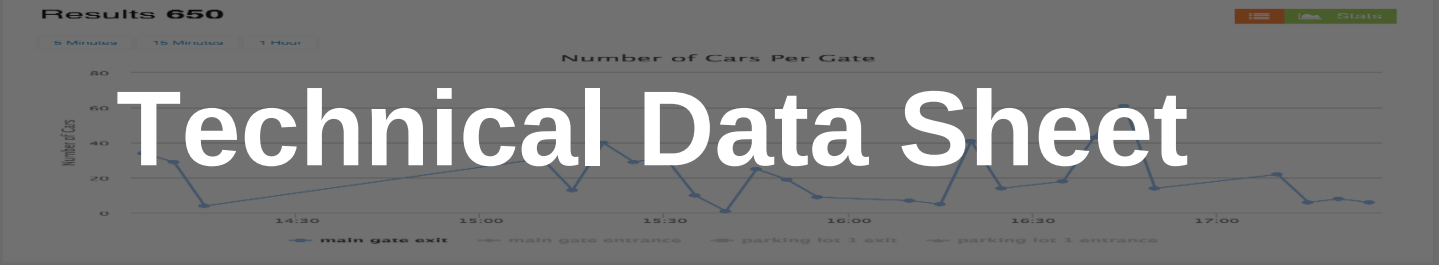
ViBE™ for Vehicles & Gated Communities

AvidBeam

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

System Features

- How many vehicles entered/exited (day/week/month)
- Known access (residents/staff) vs. Unknown access durations
- Patterns of movement during access (Track a specific car)
- Access density analysis (access volumes based on time-of-day)
- Searching for cars by License plate, Date and time, and Camera
- Traffic forecasts based on history
- Saving search queries.
- Graphical representation of data
- Images of cars per each detection.
- Car's history.
- Diversified set of configurable alarms
- White list or black list checking
- Immediate notification to email or using SMS
- Other detailed analytics about any car.
- Detailed report in PDF format



Technical Data Sheet

General System Specifications

- Integrated with different VMS (Milestone, Axis, AxxonSoft, Cisco VSMS) or deployed as a separate stand-alone application.
- Available on different platforms (Windows, Linux)
- User friendly browser interface for entering user queries and displaying query results (Windows, IOS, and Android supported)
- 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

- 1 Mega pixel camera with MJPEG or H.264
- Lens 12.5 – 50 mm
- One core for processing each camera
- 400 MB of memory / camera
- CPU 2.2 Giga Hertz.

System Accuracy

- More than 98% for English/Arabic License Plate Detection
- More than 95% for English/Arabic License Plate Recognition

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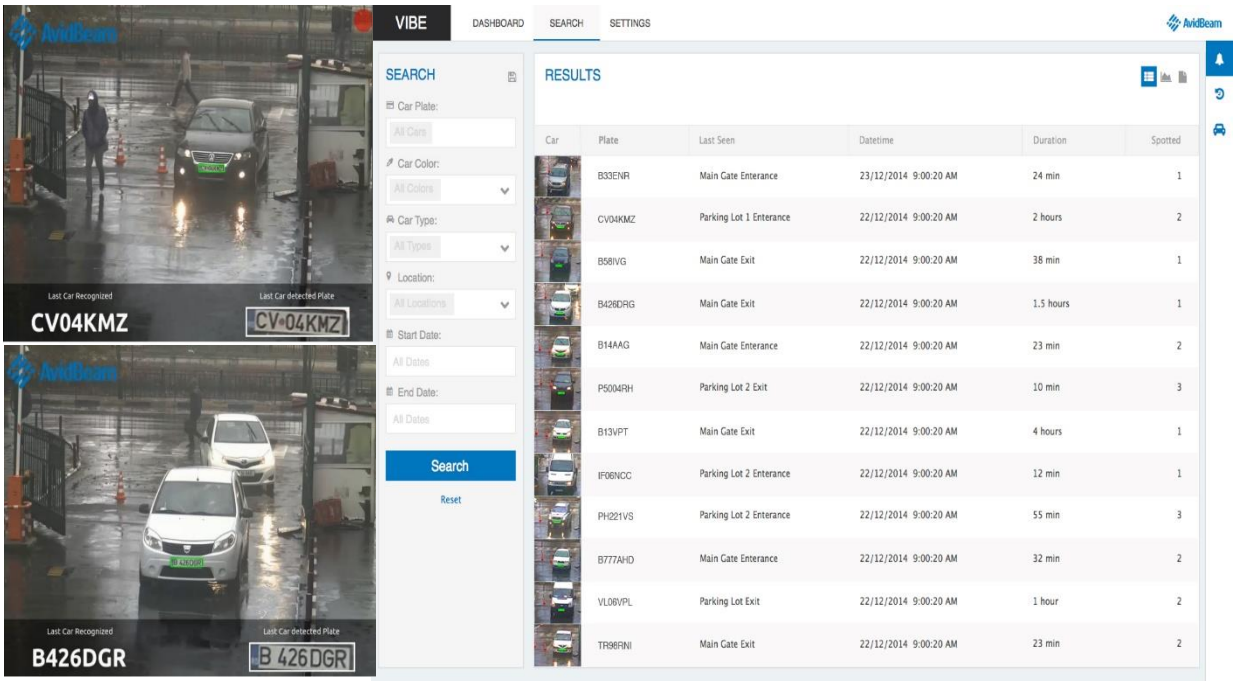
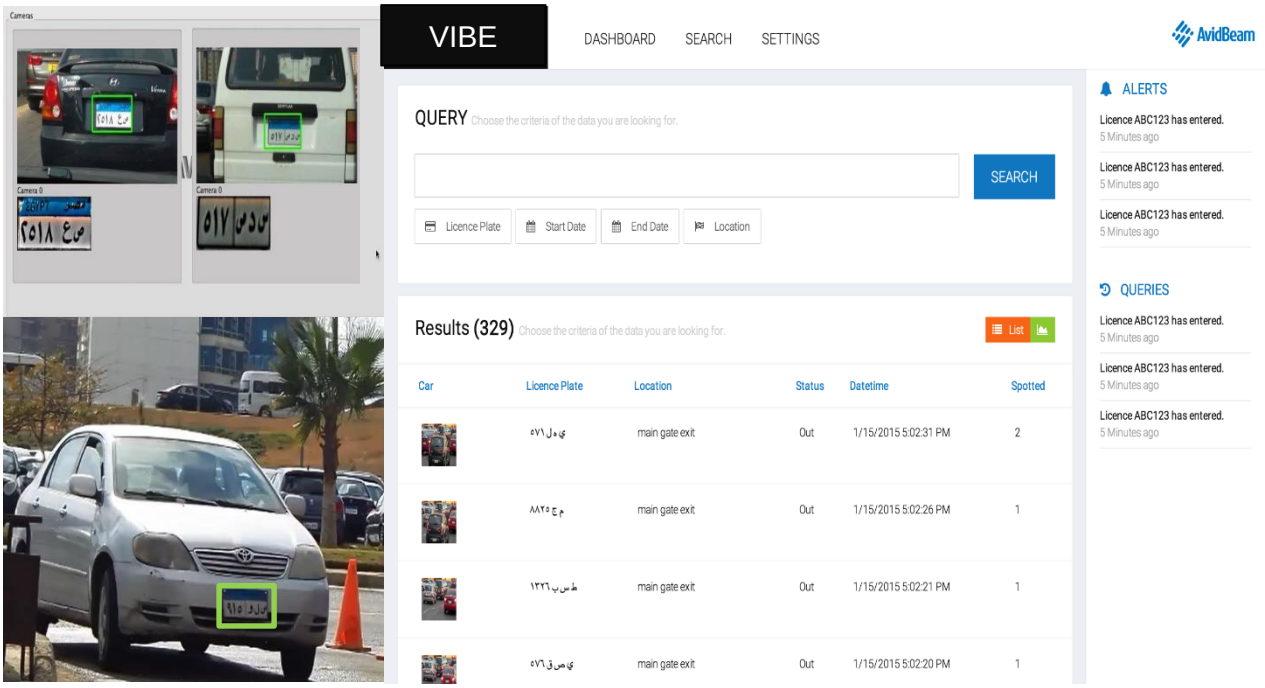
ViBE™ in Action



License Plate Recognition Arabic/English



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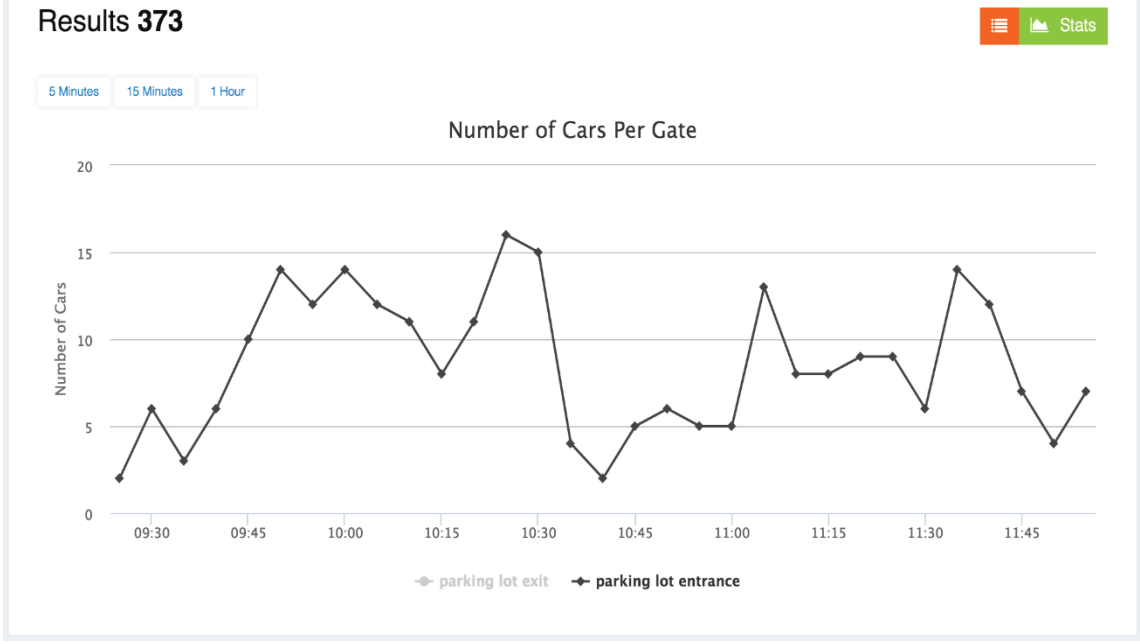
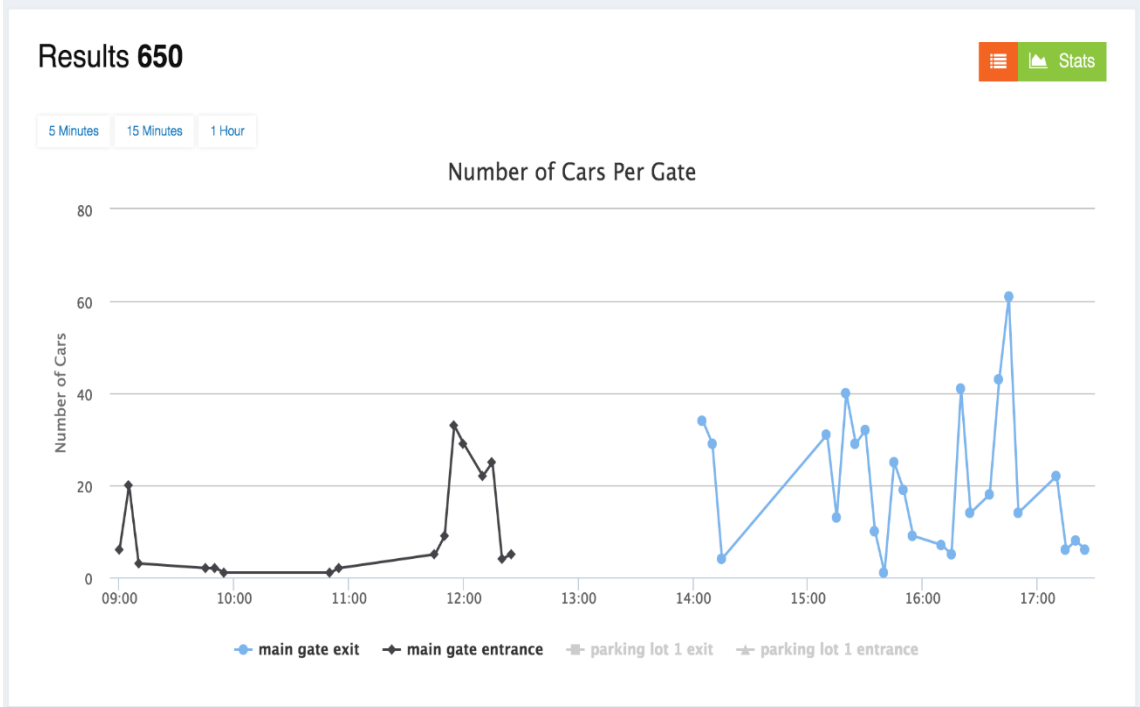
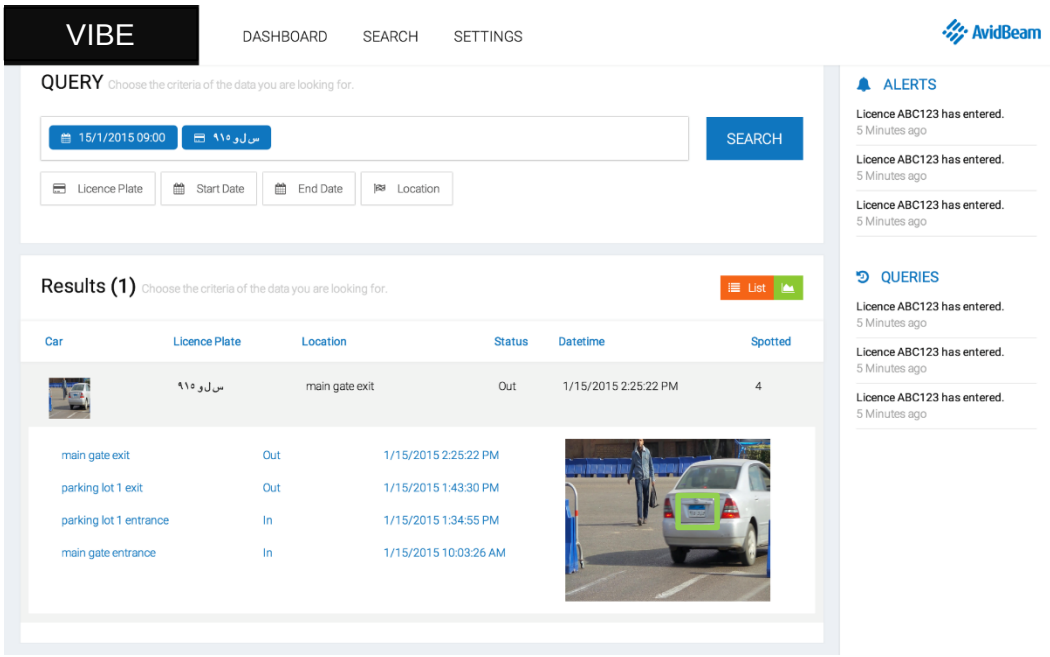


Vehicle count for single/multiple gates



ViBE™ in Action



Vehicle Tracking

ViBE™ in Action

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Printed Reports

AvidBeam

AvidBeam Technologies is a leading provider of video innovative solutions. AvidBeam solutions focus on analyzing video Big-Data to extract insightful business & security information, and adaptively packaging video streams to achieve the best quality of experience for AvidBeam clients. AvidBeam's technology strengths are based on world-class development team composed of video architects, software engineers and computer scientists with a proven track-record in technologies such as media streaming, videoconferencing, image processing and Big-Data Analytics . AvidBeam team has accredited history of working in multinational corporations and delivering unique solutions and products worldwide.

www.avidbeam.com
info@avidbeam.com

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