



ViBE™ for Vehicles & Gated Communities





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

Results 650

5 Minutes 15 Minutes 1 Hour



ViBE™ in Action

ViBE DASHBOARD SEARCH SETTINGS

SEARCH

Car Plate:

Car Color:

Car Type:

Location:

Start Date:

End Date:

Search

RESULTS

Car	Plate	Last Seen	Datetime	Duration	Spotted
	B33ENR	Main Gate Entrance	23/12/2014 9:00:20 AM	24 min	1
	CV04KMZ	Parking Lot 1 Entrance	22/12/2014 9:00:20 AM	2 hours	2
	B58IVG	Main Gate Exit	22/12/2014 9:00:20 AM	38 min	1
	B426DRG	Main Gate Exit	22/12/2014 9:00:20 AM	1.5 hours	1
	B14AAG	Main Gate Entrance	22/12/2014 9:00:20 AM	23 min	2
	P5004RH	Parking Lot 2 Exit	22/12/2014 9:00:20 AM	10 min	3
	B13VPT	Main Gate Exit	22/12/2014 9:00:20 AM	4 hours	1
	IF06NCC	Parking Lot 2 Entrance	22/12/2014 9:00:20 AM	12 min	1
	PH221VS	Parking Lot 2 Entrance	22/12/2014 9:00:20 AM	55 min	3
	B777AHD	Main Gate Entrance	22/12/2014 9:00:20 AM	32 min	2
	VL06VPL	Parking Lot Exit	22/12/2014 9:00:20 AM	1 hour	2
	TR98FNI	Main Gate Exit	22/12/2014 9:00:20 AM	23 min	2

License Plate Recognition Arabic/English

ViBE DASHBOARD SEARCH SETTINGS

QUERY Choose the criteria of the data you are looking for.

SEARCH

☐ Licence Plate ☐ Start Date ☐ End Date ☐ Location

Results (329) Choose the criteria of the data you are looking for.

Car	Licence Plate	Location	Status	Datetime	Spotted
	ي د ل ٩٧	main gate exit	Out	1/15/2015 5:02:31 PM	2
	م ح ٨٨٥	main gate exit	Out	1/15/2015 5:02:26 PM	1
	ط س ب ١٣٦	main gate exit	Out	1/15/2015 5:02:21 PM	1
	ي ح ق ٩٧	main gate exit	Out	1/15/2015 5:02:20 PM	1

ALERTS

Licence ABC123 has entered. 5 Minutes ago

Licence ABC123 has entered. 5 Minutes ago

Licence ABC123 has entered. 5 Minutes ago

QUERIES

Licence ABC123 has entered. 5 Minutes ago

Licence ABC123 has entered. 5 Minutes ago

Licence ABC123 has entered. 5 Minutes ago

Results 650

5 Minutes 15 Minutes 1 Hour

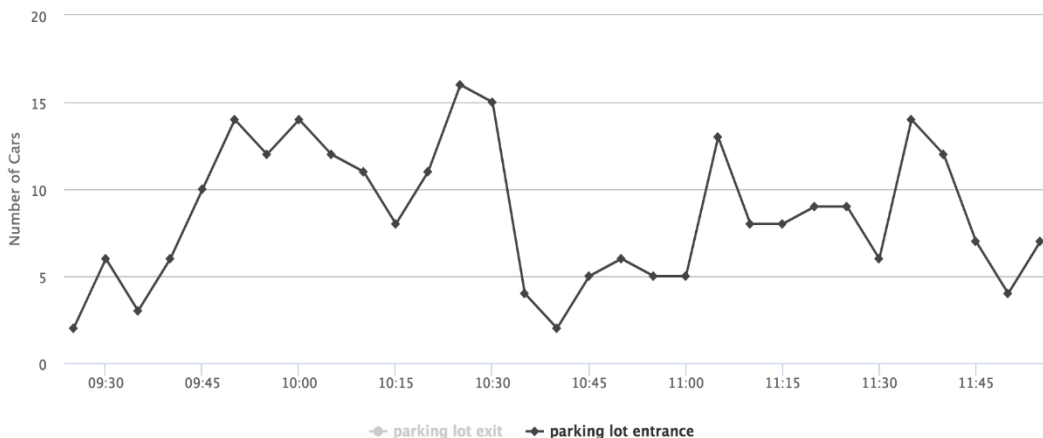


Results 373

Stats

5 Minutes 15 Minutes 1 Hour

Number of Cars Per Gate



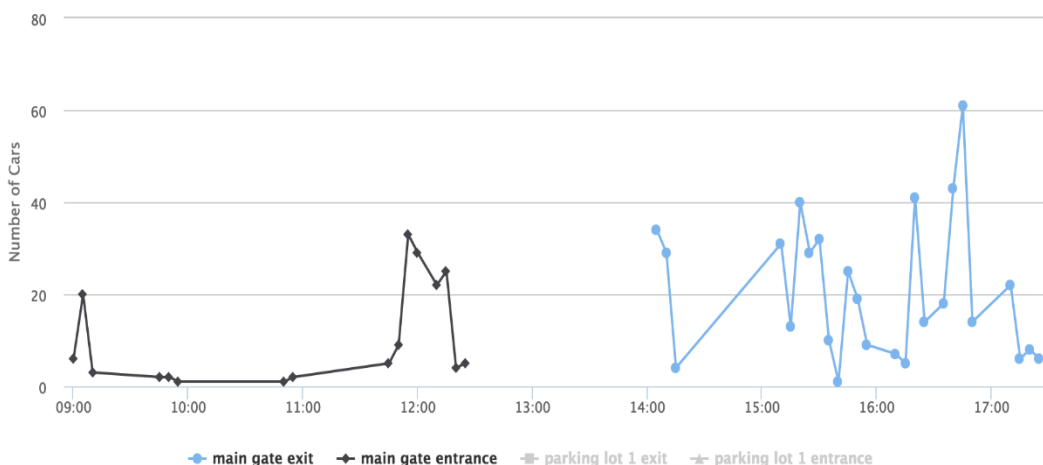
Vehicle count for single/multiple gates

Results 650

Stats

5 Minutes 15 Minutes 1 Hour

Number of Cars Per Gate





ViBE™ in Action

VIBE
DASHBOARD
SEARCH
SETTINGS

QUERY Choose the criteria of the data you are looking for.

15/1/2015 09:00
س ٩١٥

SEARCH

Licence Plate
Start Date
End Date
Location

Results (1) Choose the criteria of the data you are looking for.

List

Car	Licence Plate	Location	Status	Datetime	Spotted
	س ٩١٥	main gate exit	Out	1/15/2015 2:25:22 PM	4

main gate exit

Out

1/15/2015 2:25:22 PM

parking lot 1 exit

Out

1/15/2015 1:43:30 PM

parking lot 1 entrance

In

1/15/2015 1:34:55 PM

main gate entrance

In

1/15/2015 10:03:26 AM

ALERTS

Licence ABC123 has entered.
5 Minutes ago

Licence ABC123 has entered.
5 Minutes ago

Licence ABC123 has entered.
5 Minutes ago

QUERIES

Licence ABC123 has entered.
5 Minutes ago

Licence ABC123 has entered.
5 Minutes ago

Licence ABC123 has entered.
5 Minutes ago

Vehicle Tracking





نتائج البحث



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Parking Lot Entrance -----2015-03-08 11:49AM



٨١٢ ب هـ

Parking Lot Entrance -----2015-03-08 11:49AM



٤٦١ ف ط

Parking Lot Entrance -----2015-03-08 11:49AM

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.



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