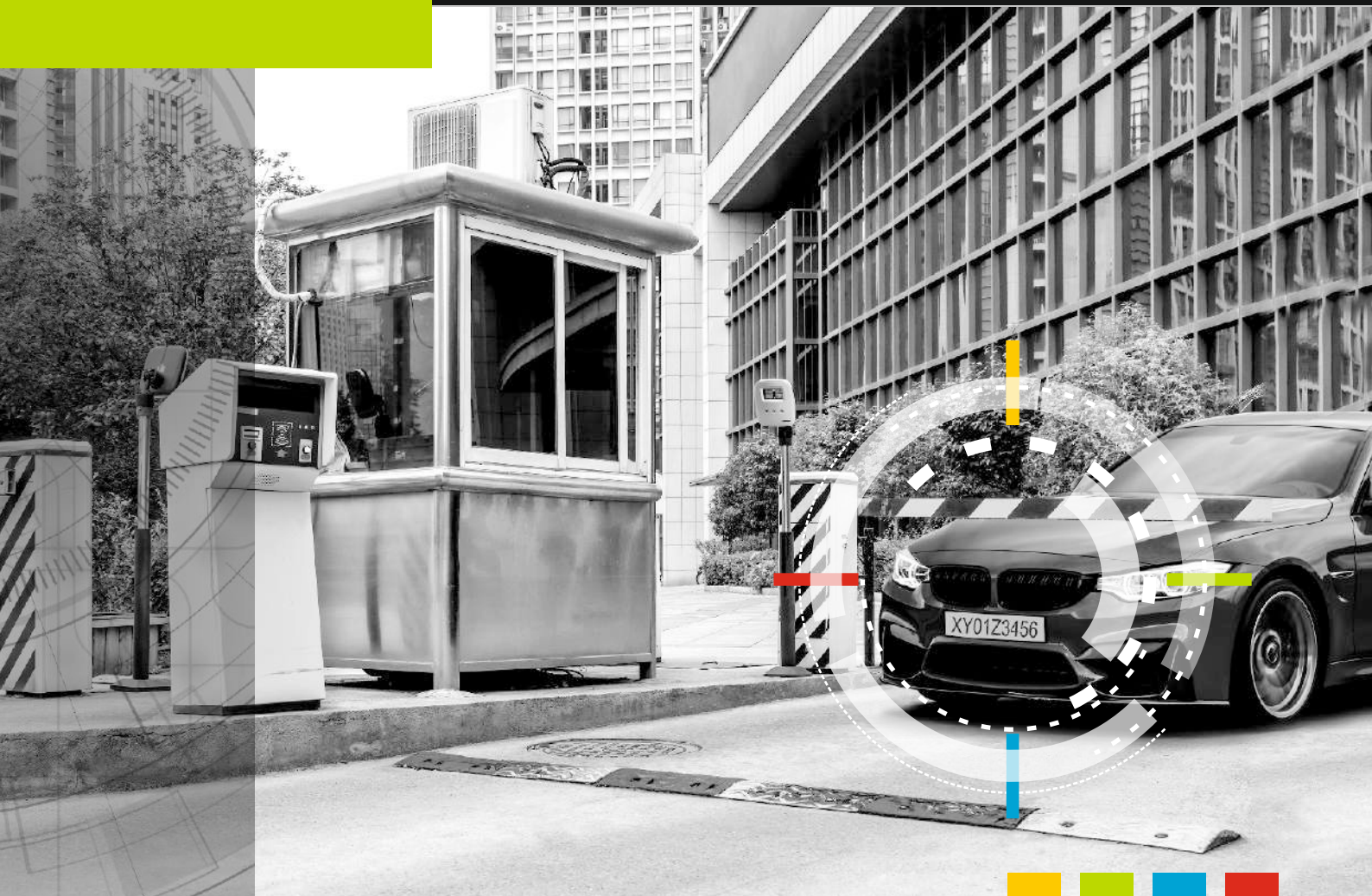
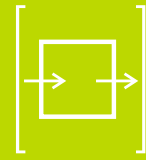


Vehicle Entry-Exit Monitoring Software

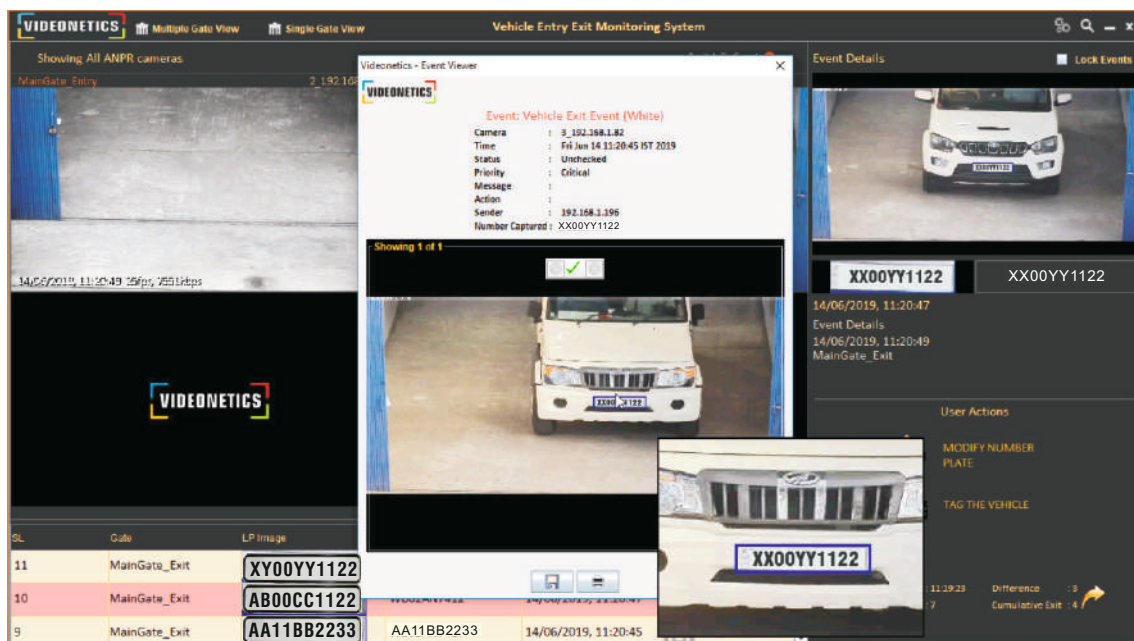




VEHICLE ENTRY-EXIT MONITORING SOFTWARE

Videonetics Vehicle Entry-Exit Monitoring (VEEM) software is an open architecture application that monitors vehicles entering or exiting a gated premise. The field-proven ANPR engine developed by Videonetics is the key component of the VEEM design, accurately detecting the vehicle number plate and capturing the facial image of the driver. VEEM software allows monitoring of multiple gates in a single system.

VEEM software has a very intuitive GUI that allows operators to do live monitoring, event processing, viewing of evidence images etc. in a single window, in addition to tracking and managing vehicle registration with ease. VEEM software easily integrates with third-party systems like boom barriers, bollards etc. The software is designed to detect license plates of vehicles in over 100 countries.



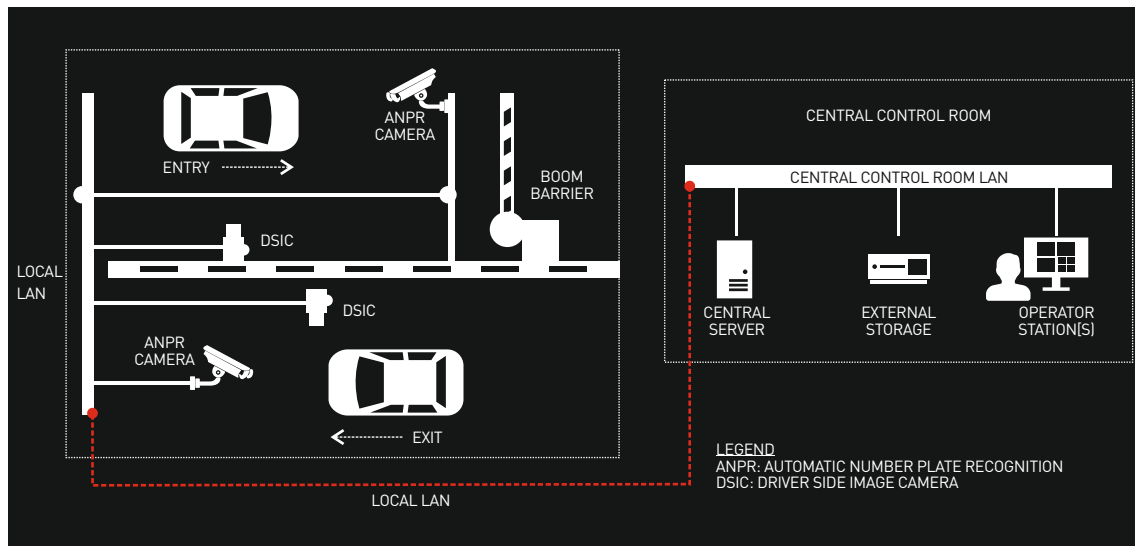
Highlights

- Highly accurate OCR engine
- Intuitive GUI
- Driver side image capture and multiple overview camera feeds
- Vehicle tagging
- Live monitoring
- Configure multiple gates
- APIs for integration with third party systems
- Detailed MIS reports and statistics
- Entry-exit and registered vehicle notifications
- Vehicle categorisation such as employee/ visitor/ registered/ blacklisted/ hotlisted etc.



Schematic Architecture

The figure below shows the schematic architecture of VEEM software and various components of an overall solution. A dedicated ANPR camera is used to capture the number plate of the vehicle entering or exiting the premises, whereas additional Driver Side Image Capture camera captures the driver's image.



■ Features

- Ease of operation
 - Intuitive UI for ease of operation
 - Single console for gate administration, vehicle registration, third-party device management and event processing
- Monitoring modes
 - 2x2 matrix view mode for live monitoring of cameras for ANPR, Driver Side Image Capture and Overview
 - Event mode for a summary of live events with number plate image, gate ID, time and number
- 4 cameras per gate
 - 1 x ANPR camera for number plate capture
 - 1 x Driver Side Image Capture camera
 - 2 x Overview cameras for over all live surveillance around gate
- Vehicle classification and tagging
 - Wanted, Suspected, Visitor, Employee
 - Vehicle tagging for future reference
- Scalability
 - As many gates as required can be configured in a single system with augmented hardware
- Smart search
 - Quick search using vehicle number plate, colour
 - By events, camera names
- Third-party device management
 - Integration with boom barrier for uninterrupted entry of whitelisted vehicles
 - Manual device operation to open boom barriers
 - Integration with parking management system



- Detailed MIS reports
 - Detailed MIS reports available from central location
 - Standard reports by Gate Name, Number Plate, Colour, Date and Time, Category
 - Details of vehicle images in the campus
 - Frequency of visit by any given vehicle
- Pictorial evidence
 - Each entry/ exit event is associated with a Driver Side Image having time stamp
- Images from overview cameras tagged with entry/ exit events
- Notifications
 - Receive instant notifications on entry/ exit events
 - Notification if vehicles overstay in the premises

The screenshot displays the VIDEONETICS Vehicle Entry Exit Monitoring System interface. It features a top navigation bar with 'Multiple Gate View' and 'Single Gate View' options. The main area is divided into several sections:

- Top Left:** Shows 'MainGate_Entry' and 'MainGate_Exit' camera feeds. A white vehicle is visible in the 'MainGate_Entry' feed.
- Top Right:** Shows an 'Event Details' panel for a specific event, displaying the license plate 'AA01AA0123' and the timestamp '14/06/2019, 11:21:07'.
- Center:** A message box states 'Vehicle Tagged successfully.' with an 'OK' button.
- Bottom:** A table lists recent vehicle events.

SL	Gate	LP Image	LP Number	Time	Category
12	MainGate_Exit	AA01AA0123	AA01AA0123	14/06/2019, 11:20:51	Vehicle Exit
11	MainGate_Exit	AB00CC1122	AB00CC1122	14/06/2019, 11:20:49	Vehicle Exit
10	MainGate_Exit	AA11BB2233	AA11BB2233	14/06/2019, 11:20:47	Vehicle Exit

On the right side, there are 'User Actions' such as 'MODIFY NUMBER PLATE' and 'TAG THE VEHICLE'. The bottom right corner shows 'Current Time: 11:19:23' and 'Difference: 2'.

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Videonetics's Unified Video Computing Platform™ helps you make sense of surveillance, by providing you with an end-to-end solution for a wide range of applications. The platform is powered by our Artificial Intelligence and Deep Learning engine, which is trained on humongous data sets, making our solutions incredibly robust and smart. All our products and solutions are integrated yet modular, ONVIF compliant, OS and hardware agnostic, scalable and interoperable.

Videonetics has been ranked #1 Video Management Software provider in India, and among the top 5 in Asia (IHS/Informa Tech Research). We remain driven by innovation, and committed to making the world a safer, smarter, happier place.

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