Genetec

AutoVu

License Plate Recognition
That Makes
Your Job Easier

Innovative **Solutions**

AutoVu™ is the IP license plate recognition (LPR) system of the Security Center, Genetec's unified security platform. From your vehicle or office, AutoVu helps you automate the identification of vehicle license plates. Organizations looking to enhance applications in law enforcement, parking enforcement, license plate inventory, security and access control choose AutoVu for the right reasons:

Be Automatically Notified of Vehicles of Interest

All you have to do is focus on your job. AutoVu automatically reads surrounding vehicle plates, compares them to a database and alerts you when you need to take action. This LPR system comes with powerful features to make you even more efficient: use graphical maps for configuration; conduct data-mining in your vehicle or office; and get image and time capture on every license plate read.

Rely on Accurate License Plate Reads

AutoVu is an LPR system you can rely on. With AutoVu, you will catch all license plates in the camera's field of view. AutoVu reads license plates with the highest accuracy rates in the industry. And, thanks to its unique Fuzzy Matching feature, you get the best possible matches to your database even when license plates may be undecipherable.

Reduce The Operator Learning Curve with Ease-of-Use

As part of Genetec's unified security platform, AutoVu comes with a very intuitive and user-friendly interface. Operators with any level of computer experience will feel at ease with this LPR system. In the office, drag and drop reads to see an image of the vehicle and its plate. Use graphical maps to review LPR data. And get reports with one click of the mouse. In the vehicle, large buttons and touch-enabled functions make training a breeze.

Obtain Real-Time LPR Information with IP Connectivity

AutoVu is IP-ready. There is no waiting for LPR information. You get real-time monitoring and identification of vehicle plates. The transfer of license plate information from the vehicle to your office is instantaneous. So you can take immediate action if necessary. And you can even configure and manage your LPR system over any IP network.

Take Minimal Time to Get Your System Installed

Getting AutoVu up and running is simple. Once the AutoVu camera is installed, you only need to make minimal adjustments and configuration to get your LPR system going. Databases can be uploaded at each shift or automatically on a pre-set time frame. It's an easy three-step process to LPR automation.

The AutoVu Hardware

The AutoVu SharpX is the latest IP-based license plate recognition camera designed for law enforcement. The AutoVu SharpX is the smallest high-resolution LPR camera on the market with integrated illumination. It also offers the highest read rates in the industry and a fully equipped vehicle is able to capture up to 5,000 license plates per minute, across three lanes of traffic.

Key features of the AutoVu SharpX

Plate capture across three lanes of traffic

Up to 5,000 plate captures per minute

Plate capture up to differential speeds of 200 MPH (320 km/h)

Plate highlight feature for vehicle identification when many vehicles are within the field of view

International plate reading support

Compatible with Genetec's Unified Security Platform, the Security Center

The AutoVu Sharp is the IP-based license plate recognition camera. This rugged LPR device offers advanced digital video processing and superior plate reading performance. The AutoVu Sharp camera also conducts processing on the edge. This means all the processing and analytics are done inside the unit itself, making the solution compact and easy to install.

Key features of the AutoVu Sharp

Available for both fixed and mobile applications

Support for various international plate styles and formats

On-board video compression and streaming

Plate capture spanning two lanes of traffic on either side of vehicle

Plate capture of vehicles parked in parallel, or at 45 or 90 degrees

Portability from vehicle-to-vehicle

The AutoVu Software

AutoVu is the IP LPR system of Genetec's unified security platform, the Security Center. The AutoVu system within the Security Center gives you back-office management capabilities. You can access and review all collected data for further analysis.

AutoVu Patroller is the in-vehicle software of the AutoVu LPR system. You will be surprised at how easy the AutoVu Patroller is to use. With large buttons and touch-enabled functions, training on the system is easy for operators with all evels of technical experience.

Applications

Law Enforcement

Manually verifying license plates is unsafe and inefficient. With the AutoVu camera mounted on a vehicle, officers can automate the verification of vehicle license plates without distraction. So instead of reading dozens of plates during a shift, officers can benefit from reading hundreds or thousands of plates, effortlessly. Not only will this increase officer safety, but AutoVu will also help to improve the recovery rate of stolen and wanted vehicles and apprehend more suspects.

Specific Law Enforcement Applications

Wanted vehicle and felon identification

In-vehicle data-mining

Real-time monitoring and reporting

Back-office data-mining and geo-fencing

Some System Features for Law Enforcement

Color, Sound and Priority Assignment to Hotlists. Assign different priorities to hotlists. Configure each priority with a different color and alarm tone. Get both a visual and audible alert to easily identify the type of hit and its importance.

Covert Hotlists. Ensure the discretion of an on-going investigation or a special operation with a covert hotlists. When there is a hit, only the officer at the police department using the AutoVu system within the Security Center will be alerted. The in-vehicle officer will not be alerted.

Wildcard Hotlists. Create a wildcard hotlist database with only partial license plate numbers. Use this feature when you only have a few license plate numbers of a vehicle associated with a crime.

Map Display. See the in-vehicle system's current position and the areas covered on the map from the back-office system as the vehicle moves. Maximize the use of the system by covering as much ground as possible during each shift.

Parking Enforcement

Checking permits and tire-chalking manually is overly time-consuming. Operators can mount the AutoVu camera on a vehicle, and automate city or university parking enforcement for many types of permits and time limit zones at once. Operators will become more efficient at covering vast areas, and AutoVu will help improve the collection of unpaid vehicle infractions.

Specific Parking Enforcement Applications

University or city scofflaw and permit enforcement

University or city time-limited enforcement (block face, same space and district)

University lot counts

Vehicle identification

Data-mining and evidence review

Route management and reports

Some System Features for Parking Enforcement

Show Due Prompt. Prompt AutoVu to display the areas where the time limit has expired, indicating potential vehicles that are due for verification. This way, the parking agent knows where to go next.

Enhanced Positioning Technology. Get accurate location data needed to support infractions with built-in GPS functionality and odometry. This is possible even in dense urban areas where GPS signal is not always accurate.

Wheel Imaging. Use wheel imaging capabilities to gather pictures of vehicles' wheels for comparison between initial and subsequent passes in a city zone. This acts as digital tire chalking. These images serve as additional evidence against infractions for same position parking enforcement.

Configuration Tool. Use the AutoVu system within the Security Center to assign parking rules and regulations to each zone. And link one or more zones to a list of associated permits and schedules.

GPS-Assisted Parking Lot Selection. With the help of integrated GPS functionality, a list of lots will appear in order from nearest to furthest to simplify the operator's task of selecting the lot to be enforced at a university.

Map-Based Lot Definition. Use the AutoVu system within the Security Center to geographically define lots by a polygon with Microsoft Bing™. Reduce the time needed for lot configuration and maintenance within your university's grounds.

Mobile License Plate Inventory (MLPI)

Manually collecting a daily vehicle inventory wastes time and resources. Mount an AutoVu camera on your vehicle to automatically collect license plate inventory in your parking facility. Every day, your operators will be more efficient and you will get automated vehicle inventory and activity reports.

Specific MLPI Applications

Automated vehicle inventory collection

Inventory reconciliation and data-mining

Inventory reporting

Some System Features for MLPI

Zone and Route Selector. Keep track of the location of every license plate read by selecting a route or a zone and row that you would like to begin scanning. Zones and rows or route selection are pre-configured during the installation phase.

Handheld Device Integration. Input license plate information into a handheld device when a vehicle is backed into a parking spot and has no front license plate. Offload the handheld inventory list into the AutoVu system within the Security Center at the end of the inventory collection.

Automatic Reconciliation. After offloading the license plate inventory, the AutoVu system in the Security Center will do an automatic reconciliation of all license plate reads. It merges data from the previous inventory so you get a detailed inventory report ready for querying and reporting.

Security and Surveillance

Stop relying on outdated technology. Mount AutoVu cameras above traffic lanes, at entrances or exits, at toll booths and other locations. AutoVu will help you secure entries and exits of facilities, get audit trails, identify wanted vehicles at your gates, on a street or a highway.

Specific Security and Surveillance Applications

Wanted vehicle and felon identification

Vehicle audit trail

Automated access control

Traffic management

Bus and taxi lane exemption

Some System Features for Security and Surveillance

Integrated Video Surveillance. Unify your LPR system with video surveillance and access control within the Security Center. Monitor live video feeds along with LPR reads and receive alerts of flagged vehicles from the AutoVu system. And review video associated with LPR reads or hits in investigations.

Automatic Event and Alarms. Get automated alarms or events from the AutoVu system when a black-listed, wanted, or stolen vehicle is detected. That means you can choose to respond only to events that are deemed urgent.

Advanced Data-Mining. Conduct searches of vehicles based on factors such as date and time, complete or partial license plate numbers, one or more specific geographic areas, or type of hit. Or, search by the other data associated with the hotlists such as VIN, make, model or year of the vehicle of interest.

Standalone or Unified with Video Surveillance and Access Control

AutoVu can be installed as a standalone LPR system or unified with Genetec's Omnicast IP video surveillance and Synergis IP access control systems within the Security Center. Unification within the Security Center offers customers a single platform from which to manage and monitor all of their security and safety applications, generate consolidated reports, and centralize all of their alarm management.

Third-Party System Integration. Integrate other software applications to fit with existing business processes with an advanced SDK. Or use an XML plugin to easily share information between systems without the efforts of a full integration.

More System Capabilities
and Technical Specifications

User Interface

Fully configurable and task-oriented user interface

Dedicated LPR tasks for monitoring and reporting

User configurable event list and display tile views

View LPR events, associated pictures and video within each tile

Advanced reporting tool for LPR reads and hits

System Configuration and Monitoring

Monitoring and management of LPR events and alarms

Management of all LPR entities

Automatic email notifications

Manual license plate input

Accept/reject hit confirmation

Fuzzy matching including OCR equivalent characters

In-vehicle data-mining with full or partial license plate searches

Map-based hit and read review

Silent operation mode

Import tool for third-party data (CSV file format)

Support for custom metadata fields

Macros or custom scripting support

LPR XML import/export

Advanced Reporting

Configuration, hit and read, route playback, inventory, license plate read/hits per day, daily usage statistics and logons per day reports

Advanced search filters based on date, time, patrolling unit, hotlist, geographical area, vehicle make, model, year or VIN

Print and email actions

PDF, Microsoft Excel, and CSV export options

Customization options include setting filters, report lengths, and timeout period

Automatic email schedules of pre-configured report templates

Alarm Management

Customized license plate read and hit alarm triggers

Full range of alarm management controls

User-defined procedures

Mandatory incident entry upon alarm acknowledgement

System Security

Encrypted communications between client and server applications

Configurable user and user group privileges

Secure remote access capabilities

Authenticated user logins

Support for Windows Active Directory

User activity logs and audit trails

HTTPS support for web client

LPR Read and Hit Transmission

LPR hits and reads transmitted over standard LANs, WANs, Internet and via USB

Wireless connectivity over 802.11a/b/g or cellular

Remote access via DSL, cable, cellular, ISDN, T1 or T3

Hardware and Software Integrations

Unified with Omnicast video surveillance and Synergis IP access control within the Security Center unified security platform

Video analytics solutions, server or edge-based

Perimeter protection systems

Intelligent transportation systems (ITS)

Ticketing systems

Major third-party access control systems

In-vehicle and rugged laptops

Hard-held computers

Video walls

About Genetec

Genetec is a pioneer in the physical security and public safety industry and a global provider of world-class IP license plate recognition (LPR), video surveillance and access control solutions to markets such as transportation, education, retail, gaming, government and more. With sales offices and partnerships around the world, Genetec has established itself as the leader in innovative networked solutions by employing a high level of flexibility and forward-thinking principles into the development of its core technology and business solutions. Genetec's corporate culture is an extension of these very same principles, encouraging a dynamic and innovative workforce that is dedicated to the development of cutting-edge solutions and to exceptional customer care. For more information, genetec.com.

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