



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 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

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- Support for various international plate styles and formats

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- On-board video compression and streaming

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

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

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- Plate capture up to speeds of 140 MPH (225 km/h)

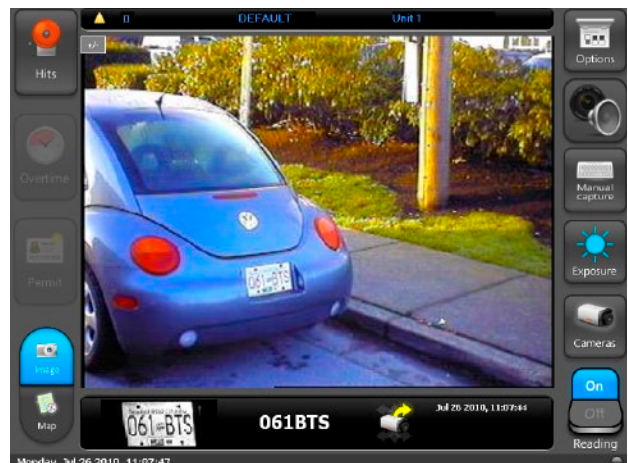
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- Portability from vehicle-to-vehicle

## 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 levels 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 with a non-intrusive application. 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

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Wanted vehicle and felon identification

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In-vehicle data-mining

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Real-time monitoring and reporting

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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

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University or city scofflaw and permit enforcement

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

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University lot counts

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Vehicle identification

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Data-mining and evidence review

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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.



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### 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

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Automated vehicle inventory collection

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Inventory reconciliation and data-mining

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Inventory reporting

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#### 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.

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### 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

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Wanted vehicle and felon identification

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Vehicle audit trail

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Automated access control

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Traffic management

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Bus and taxi lane exemption

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#### 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

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Dedicated LPR tasks for monitoring and reporting

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User configurable event list and display tile views

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View LPR events, associated pictures and video within each tile

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Advanced reporting tool for LPR reads and hits

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### System Configuration and Monitoring

Monitoring and management of LPR events and alarms

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Management of all LPR entities

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Automatic email notifications

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Manual license plate input

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Accept/reject hit confirmation

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Fuzzy matching including OCR equivalent characters

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

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Map-based hit and read review

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Silent operation mode

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

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Support for custom metadata fields

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Macros or custom scripting support

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LPR XML import/export

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### Advanced Reporting

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

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

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Print and email actions

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PDF, Microsoft Excel, and CSV export options

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

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Automatic email schedules of pre-configured report templates

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### Alarm Management

Customized license plate read and hit alarm triggers

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Full range of alarm management controls

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User-defined procedures

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Mandatory incident entry upon alarm acknowledgement

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### System Security

Encrypted communications between client and server applications

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Configurable user and user group privileges

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Secure remote access capabilities

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Authenticated user logins

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Support for Windows Active Directory

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User activity logs and audit trails

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HTTPS support for web client

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### LPR Read and Hit Transmission

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

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Wireless connectivity over 802.11a/b/g or cellular

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

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### Hardware and Software Integrations

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

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Video analytics solutions, server or edge-based

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Perimeter protection systems

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Intelligent transportation systems (ITS)

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Ticketing systems

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Major third-party access control systems

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In-vehicle and rugged laptops

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Hard-held computers

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Video walls

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### 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](http://genetec.com).