AutoVu

Automatic License Plate Recognition
Augment Security and Enhance Productivity

Genetec

AutoVu™ is the IP-based automated license plate recognition (ALPR) system of Security Center, Genetec's unified security platform. From your vehicle or office, AutoVu helps you automate the identification of vehicle license plates. AutoVu is a proven solution for organizations looking to enhance applications such as citywide surveillance, security, vehicle access control, law enforcement and parking enforcement.

AutoVu Benefits

Rely on Accurate License Plate Reads

AutoVu can read license plates within the camera's field of view with the highest accuracy rates in the industry, even in demanding situations such as at high speeds, at night or in difficult weather.

Ensure Uninterrupted Performance

Our line of AutoVu Sharp IP-based ALPR camera devices are IP-ready and can be deployed across IP networks seamlessly, accelerating implementation. And, since ALPR analysis is performed on the edge by each unit, mobile and stationary ALPR cameras will keep operating even when the network is unavailable, ensuring no vehicle slips by.

Combine Mobile and Fixed ALPR

AutoVu can be deployed as a mobile solution on vehicles, as a fixed solution on stationary structures, or as a combination of both, with user interfaces optimized for each specific task and application. Data from all sources is consolidated in Security Center's back office application, unlocking powerful investigation reporting and plate list management.

Complete ALPR Solution Provider

With over 15 years of ALPR experience, Genetec offers a full ALPR solution from system design to technical support and custom development helping you succesfully leverage ALPR to meet your objectives.

Unified with Video Surveillance

AutoVu can be installed as a standalone ALPR system or unified with Genetec's Omnicast IP video surveillance and Synergis IP access control systems within Security Center. Unification within 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.

Key Features

Leverage Your LPR Solution for More

Integrated Video Surveillance - Unify your ALPR system with video surveillance and access control within Security Center to monitor live video feeds along with ALPR reads and receive alerts of flagged vehicles from the AutoVu system.

Third-Party System Integration - Integrate other software applications to fit with existing business processes with an advanced SDK and XML plugin.

Event-to-Action - Use ALPR event hits and reads to trigger advanced actions, such as recording video or activating vehicle gates through Security Center's powerful event-to-action module.

Track Vehicle Behavior and Characteristics - AutoVu analyzes scanned vehicles' behavior and characteristincs, allowing you to track trends and identify suspicious vehicles. In addition to license plate numbers, AutoVu can identify a vehicle's speed and direction of travel, detect its make and establish the state or country of origin of its license plate.

Powerful Investigation and Reporting Tools

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

Optimized Vehicle ALPR System

Touch-Based User Interface - AutoVu's easy to use in-vehicle software, Patroller, is designed with large buttons and touch-enabled functions, making the use and training of the system easy for operators with all levels of technical experience.

Live Wireless Communication - Stay up-to-date with the latest permit data or wanted vehicle lists through live wireless updates of ALPR reads and hits.

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.

Hardware

The AutoVu SharpX is the smallest high-resolution ALPR camera on the market with integrated illumination. Rely on its superior read rate and extended field of view to capture more plates per shift.

- 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
- Support for various international plate styles and formats
- Compatible with Genetec's Unified Security Platform, the Security Center

The AutoVu Sharp combines a high-resolution ALPR camera, an independent context camera, and onboard processing in a single device. The Sharp provides sophisticated analytics on the edge and communicates over any wireless or wired network.

- 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

Software

AutoVu Patroller is the in-vehicle software of the AutoVu ALPR system. Easy to use, with large buttons and touch-enabled functions, training on the system is easy for operators with all levels of technical experience.

Applications

Parking Enforcement

AutoVu enhances parking enforcement productivity, increases compliance, and improves parking customer experience by automatically capturing license plate numbers to enforce parking permits, paid parking, and time-limited zone rules.

Key Features:
- Patented digital tire chalking for time-limit enforcement
- Supports residential, university semester, employee, short term, and shared permits
- AutoVu Pay-by-Plate Syncs interfaces with industry leading solutions of permit and citation management systems, parking meters, pay stations, pay by cell solutions and more.

Law Enforcement and City Surveillance

AutoVu supports ongoing investigations, apprehends more suspects, and helps increase the recovery rate of stolen and wanted vehicles. Available as a fixed and mobile LPR system, AutoVu unifies industry-leading accuracy and advanced vehicle analytics with Genetec's video surveillance solution in a single system.

Key Features:
- Wildcard hotlists with partial license plate numbers
- Hotlists can covertly notify assigned investigators of hits without alerting the in-vehicle officer
- Complete video surveillance unificiation with Genetec Security Center
- Vehicle behavior and characteristics analytics help identify trends and suspect vehicles
- Live data transmission between vehicles and back office

Security and monitoring

AutoVu can help you secure entries and exits of facilities, generate audit trails, identify wanted vehicles at your gates, and automate vehicle access control. Each AutoVu LPR unit comes with a secondary video camera which can be used as video surveillance cameras within your Security Center system.

Key Features:
- Schedule-based vehicle access rules to control access to your premises;
- Secondary video cameras in each Sharp LPR unit;
- Third-party system integration through SDK and XML plugin.

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