AutoVu

Automatic License Plate Recognition

Heighten Security and Strengthen Investigations.

AutoVu™ is the automatic license plate recognition (ALPR) system that extends the reach of security systems, increases awareness and supports investigations.

Increase Situational Awareness with ALPR

AutoVu™ automatically identifies vehicles accessing your facilities or traveling public roads, immediately detecting threats and unusual vehicle behaviors or assisting investigations. Unified within the Security Center platform from Genetec™, AutoVu merges ALPR with video surveillance, access control and third-party systems. AutoVu is deployed across the world in fixed and mobile applications, such as city-wide surveillance, vehicle access control, law enforcement and parking enforcement.

Advanced Reporting

Accelerate investigations, rapidly identify license plates present near crime scenes and review patrol route efficiency with AutoVu's ALPR reports.
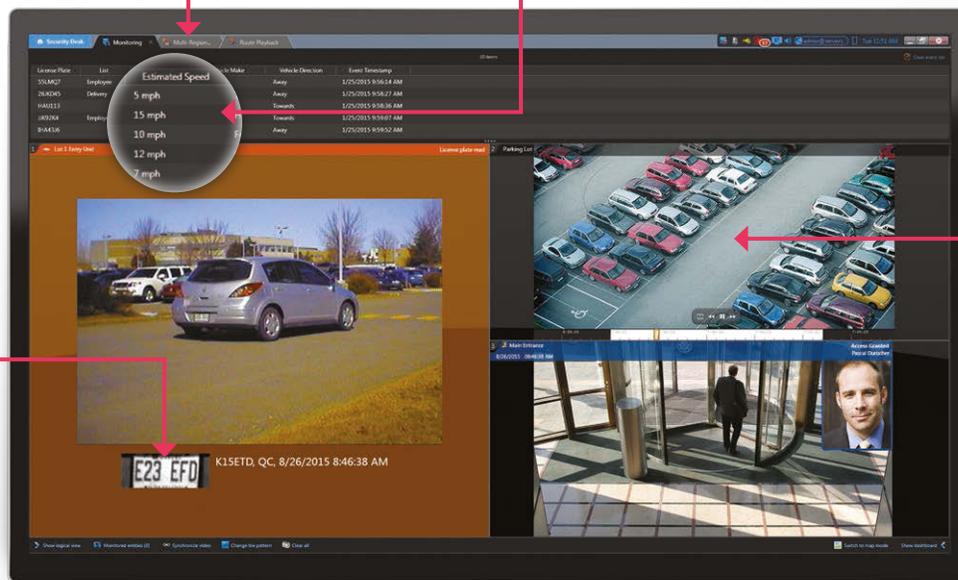
Vehicle Behavior Analysis

Automatically detect suspicious vehicle behavior, such as speeding or traveling in the wrong direction, and speed up security response to potential threats with AutoVu's advanced vehicle analytics.

Unified Interface

Increase your security team's situational awareness by automatically displaying live and recorded footage from video surveillance cameras located around your ALPR units when a vehicle of interest is detected.

Augmented Video Surveillance Cameras

Transform standard video surveillance cameras into ALPR units and read the license plates of vehicles moving at speed up to 15 MPH with AutoVu Plate Reader Cloud.

AutoVu Benefits

Maintain Control of Your Data

AutoVu gives you total control over who can access your license plate data, both inside and outside of your organization. ALPR data collected is stored on your server, not in a central Genetec database, while Security Center's Federation™ feature can enable easy sharing of data with selected partners and public safety agencies. AutoVu allows you to manage individual users' access to specific lists and reports and define variable retention periods for ALPR images and data, automatically following your data security policies.

ALPR Cameras to Match Your Needs

AutoVu's ALPR camera portfolio offers high-accuracy options adapted to a variety of applications. Dedicated ALPR cameras, such as the Sharp and SharpX, offer maximum performance in fixed and mobile deployments, accurately reading license plates from vehicles moving at high speeds. In applications where vehicles travel at lower speeds, AutoVu Plate Reader Cloud provides an affordable solution to augment video surveillance cameras with ALPR capabilities.

Unify ALPR and Video Surveillance

AutoVu is unified with Omnicast™, the IP video surveillance system of Security Center. ALPR events can automatically change recording settings and move PTZ cameras to cover a matched vehicle. Recorded video can be associated with hits, enhancing awareness and investigations. Fixed Sharp and SharpX units can also stream live video to Omnicast, doubling as video surveillance units.

Leverage Your ALPR Solution for More

AutoVu Key Features

Identify Vehicles of Interest

Compare license plates to lists of wanted or suspect vehicles, automatically identify employees at vehicle gates or notify staff of an important guest's arrival using AutoVu's flexible list management features. Access to vehicle lists can be managed as required, restricting some users to adding license plates to existing lists while granting full access to administrators. Covert hotlists can even notify specified users of matches without letting other operators know.

Automate Security Responses

Use ALPR events, such as hits or vehicle speed exceeding pre-defined limits, to trigger advanced actions, such as opening vehicle gates, triggering alarms or activating intercoms through Security Center's powerful event-to-action mechanism.

Advanced Data-Mining

Identify vehicles present in multiple regions of interest, or conduct searches for vehicles based on factors such as complete or partial license plate numbers, type of hit and estimated speed. Additionally, you can search license plates by other data associated with hotlists such as VIN, vehicle make, model, or year of manufacture.

Integrate Third-Party Systems

Integrate other software applications to fit with existing business processes and leverage ALPR data and images within your existing systems with an advanced SDK and XML plugin.

Track Vehicle Behavior and Characteristics

In addition to accurate license plate reads, AutoVu automatically analyzes scanned vehicles' behavior and characteristics, allowing you to track trends and identify suspicious vehicles:

▸ **Estimated vehicle speed:** AutoVu estimates the speed at which a vehicle is traveling with a single unit, providing data on traffic flow at specific points.

▸ **Direction of travel:** AutoVu detects if a vehicle is moving towards or away from an ALPR unit, automatically alerting you if a vehicle is going against the normal vehicle flow.

▸ **Vehicle make:** AutoVu identifies the brand of detected vehicles, enabling visual validation of vehicles on high-priority lists and increasing the precision of searches and investigations.

▸ **License plate origin:** AutoVu recognizes the state or country of origin of read license plates, providing additional information on the vehicles accessing your installations.

Mobile ALPR System

AutoVu ALPR units can be deployed on patrol vehicles to extend the reach of your ALPR system. Identify stolen vehicles, keep track of suspects, detect parking infractions or gather ALPR data from areas not covered by your fixed ALPR units with AutoVu's mobile-adapted software and units.

Touch-Based User Interface

Optimized for touchscreen operation, AutoVu's in-vehicle application, Patroller, leverages sound and color notifications to alert operators when a suspect vehicle or parking infraction is detected.

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.

Field-Proven ALPR Cameras

Choose from Genetec's range of dedicated ALPR units, designed and engineered in-house, or upgrade your security cameras with Genetec's cloud-based ALPR solution.

AutoVu Sharp

The AutoVu Sharp combines a high-resolution ALPR camera, an independent context camera, and onboard processing, all in a single device. Easy to deploy, the Sharp is perfect for single-camera applications, and can capture license plates on vehicles traveling at speeds of up to 220 MPH (355 km/h). In fixed applications, the Sharp doubles as a video surveillance camera by streaming live video from its context sensor to Security Center. The Sharp provides sophisticated analytics on the edge and communicates over any wireless or wired network.

AutoVu SharpX

The AutoVu SharpX is the smallest high-resolution ALPR camera with integrated illumination on the market. Capable of reading license plates on vehicles traveling at speeds of up to 220 MPH (355 km/h), the SharpX is the only solution allowing you to connect up to four high-resolution ALPR cameras on a single processing unit, offering superior performance in multi-camera fixed and mobile installations while simplifying deployment and maintenance. The SharpX can also stream live video from its secondary context camera directly to Security Center.

AutoVu Plate Reader Cloud

AutoVu Plate Reader Cloud provides standard video surveillance cameras with ALPR capabilities. Leveraging the cloud to reduce local server requirements, Plate Reader Cloud uses Genetec's proven ALPR engine to detect and read license plates in the camera's field of view, providing high accuracy in deployments where vehicles travel at speeds under 15 MPH. Plate Reader Cloud gives you access to AutoVu's extensive ALPR feature set, from its flexible list-management to its deep unification with video surveillance.

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.

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 ALPR system, AutoVu combines industry-leading accuracy with high-speed performance to capture more license plates per camera.

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 ALPR unit comes with a secondary video camera which can be used as video surveillance cameras within your Security Center system.

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