# SharpV

Automatic License Plate Recognition Camera

## Know who's in your city

The Genetec™ AutoVu™ SharpV is a specialized, all-in-one automatic license plate recognition (ALPR) camera designed to simplify deployments from specification through installation. Versatile and accurate, the SharpV is suited for fixed ALPR installations, such as monitoring entries and exits or capturing license plates at high-speeds on city-streets and highways.

The SharpV is ideally suited for a range of applications, from managing off-street parking lots and facilities to covering major city access points for wanted vehicles. The SharpV is also capable of simultaneously streaming ALPR and video data to Security Center, the Genetec security platform, where it can be unified with plate reads from mobile ALPR vehicles, surveillance camera streams and access control events in a single system.

## Benefits

### See More
Equipped with high-resolution ALPR and context cameras as well as on-board illumination, the SharpV covers a wide field-of-view and provides high-quality images and video, day or night.

### Intelligence at the Edge
With processing on-board, the SharpV brings ALPR intelligence to the edge of your system. Since only plate read data needs to be transferred over the network, this means decreased data load on the network and server as all the image processing and analysis is done in the unit. The cameras are not dependent on the server, hence providing uninterrupted coverage even when connectivity goes down.

### Unify on a Single Platform
The SharpV can be enrolled within Security Center as a surveillance camera for streaming and recording video. On-board I/Os can be used to trigger reads based on sensors to increase capture rates or open gates based on a list of permitted plates.

### Simplify Specification and Installation
The SharpV is built to facilitate deployment. Beyond being an all-in-one ALPR unit, the SharpV connects to power and data using a single off-the-shelf Ethernet cable so it can be deployed more quickly. As a varifocal camera, the reading distance and magnification are adjustable on site, reducing system design and specification effort.

## Features

On-board ALPR processing ensures performance and scalability

Varifocal cameras ease specification and design

IP67-rated enclosure allows for operation in extreme weather conditions and harsh environments

Built-in Illumination for around-the-clock operation

Simultaneously read license plates and stream high-resolution contextual color video

On-board I/Os for integration to sensors or triggers for instance induction loops or gates

AutoVu SharpV
# Specifications



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|---|---|---|---|
| **ALPR camera sensor** | 1280 × 960 progressive scan @ 30 fps (ALPR), monochrome. | **Cabling** | Cat5e cable (special connector provided for IP67 rating) |
| **Capture range** | Standard Range: 9 - 60 feet (2.75 - 18.25 meters)<br>Long Range: 60 - 115 feet (18.25 – 35 meters) | **Water resistance** | IEC 60529: IP67 |
| **Dimensions** | 2.5 × 7.6 × 8.5 inches (63 × 192 × 214 mm) (2.7" high including sunshield for black version) | **Compression** | Concurrent MJPEG video compression and JPEG for ALPR images |
| | | **External interface** | 1 × 10/100/1000 Base-T Ethernet port |
| **Weight** | 5.04 lbs. (2.29 kg) | **Vibration** | As per NEMA TS-2: 5~30 Hz | 0.5g double-amplitude |
| **Illuminator** | Pulsed LED illuminator for effective use in 0 lux (total darkness) environments | Different illumination wavelengths available | **Electromagnetic immunity & emissions** | FCC part 15 Subpart B | ICES-003 Issue 4 | CISPR32 / EN55032 | CISPR 24 / EN 55024 |
| **Context camera sensor** | 1280 × 960 progressive scan @ 30 fps (ALPR), 15 fps (Streaming), color. | **EMC Directive (CE marking)** | 2004/108/EC |
| **Available color(s)** | Security White / Black | **External I/Os** | 2 Inputs/ 2 Outputs (opto-isolated) |
| **Temperature** | -40°F to 140°F (-40°C to 65°C) operating | | |
| **Power supply** | PoE+ (Power-over-Ethernet - 802.3 at Type 2 (25.5W) ~20W | | |

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