

AutoVu™ SharpV

Automatic License Plate Recognition System

Dedicated, high performance, and edge based Fixed ALPR

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.



Features

On-board ALPR processing ensures high-performance, scalability, and ultra low reading latency

Varifocal lenses ease specification and design

Power over Ethernet Plus (PoE+) enabled to simplify deployment

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 induction loops or gates

Dual lane feature available for America, Europe, ANZ, other regions*

Benefits

Intelligence at the Edge – With processing on-board, the SharpV brings ALPR intelligence to the edge of your system with ultra low reading latency. 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 credentials associated to the plates.

Simplify Specification and Installation – The SharpV is built to facilitate deployment. As a varifocal PoE+ device, the reading distance, magnification and cabling are easily adjustable on site, reducing system design and specification effort. Meanwhile, the modern HTML5 web portal simplifies configurations and maintenance.

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.

* To verify Dual-lane feature availability in your region, contact your Genetec representative.

Specifications

ALPR camera sensor

1280 × 960 @ 30 fps; monochrome; global shutter

Capture range

Standard Range: 9–60 ft (3–18.25 m)

Long Range: 60–115 ft (18–35 m)

Dimensions

2.5 in × 7.6 in × 8.5 in (2.7 high with sunshield for black version)
(63 mm × 192 mm × 214 mm)

Weight

5.04 lb (2.29 kg)

Illuminator

Pulsed LED illuminator for effective use in
0 lux (total darkness) environments
940nm, 850nm, 740nm and 590nm illumination wavelengths
available

Context camera sensor (not in ITS model)

1280 × 960 @ 30 fps; color; global shutter

Available color(s)

Security White / Black

Operating Temperature

-40°F to 140°F (-40°C to 65°C) ambient

On-board Analytics

Single-camera speed estimation, direction of travel and
virtual loop

Power supply

PoE+ (Power-over-Ethernet) - 802.3at Type 2 (25.5 W)

Cabling

Cat5e cable (special connector provided for IP67 rating)

Sealing (Water/Dust Protection)

IEC 60529: IP66/IP67

Still image compression

JPEG compression for ALPR and Context still images

External interface

1 × 10/100/1000 Base-T Ethernet port

Video streaming

H.264 @ up to 30 fps; MJPEG @ up to 15 fps

Vibration & Shock

IEC 60068-2-64: 5~100Hz | 0.5 g rms

IEC 60068-2-27: 10g | 16ms half-sine

NEMA TS-2: 5~30 Hz | 0.5 g double-amplitude

Electromagnetic immunity & emissions

FCC part 15 Subpart B | ICES-003 Issue 4 | CISPR32 / EN55032 |
CISPR 24 / EN 55024

EMC Directive (CE marking)

2014/30/EU

External I/Os

2 inputs / 2 outputs (opto-isolated)

Mounting

Pole and Wall Mount included

