Genetec™

AutoVu SharpV

Automatic License Plate Recognition System

Crystal clear automatic license plate recognition in all conditions

Whether you want to scan vehicles on busy roadways, or to keep track of those accessing your facilities, you need a reliable system that performs in challenging conditions. The Genetec AutoVu™ SharpV provides crisp, full HD captures at all times. Day or night, in slow local streets, or on fast multi-lane highways, you can rest easy that it's gathering the insights you need when you need it most.

The SharpV goes beyond license plate identification. Its suite of vehicle analytics supports your investigations and helps you close cases faster. And thanks to its simplified design, it can be up and running in no time, letting you focus on your mission.

Key features

Superior performance and new analytics with high-performance onboard machine learning

See everything clearly with two ultra-wide sensors that provide quality images and capture data across multiple lanes*

Excellent night-time performance with high power pulsed illuminators and global shutter

Reduce installation and maintenance costs with motorized lenses equipped with auto-focus for remote zoom & focus configuration

Deploy anywhere with built-in 4G/LTE cellular radio option*

Integrate with induction loops using its onboard I/O

Key benefits

Intelligence at the Edge – With hardware-accelerated processing on-board, the SharpV doesn't rely on remote servers for analysis. This eliminates latency and reduces the impact of ALPR on your network. And since it doesn't rely on external hardware, it provides uninterrupted performance – even when connectivity is unavailable.

Simplify design & deployment – Don't limit your ability to gather necessary data based on local infrastructure. With its embedded 4G/LTE communication option, motorized lenses with auto-focus, and support for both 24Vdc and PoE++ power, deploying the SharpV is easy and free of headaches.

Tap other systems – Combine ALPR data with video surveillance, access control, and more with Genetec Security Center. Break down the silos between your systems to increase operational intelligence and situational awareness, and do more with your ALPR system.

Gather data when it matters most – Not all crimes happen in broad daylight. With its built-in illuminators, global shutter, and high-resolution sensors, the SharpV leads the industry in performance at night and in challenging conditions.

* To verify 4G/LTE and dual-lane feature availability in your region, contact your Genetec representative.

Specifications

ALPR camera sensor
1920 × 1200 @ 30 fps; monochrome; global shutter

Capture range
9–148* ft (3–45* m)

Dimensions
Height: 63 mm (2.5 in)**
Width: 192 mm (7.6 in)
Length: 214 mm (8.5 in)

Weight
White, non-LTE version: 2.31kg (5.09lb)
Black, non-LTE version: 2.83kg (6.24lb)
Black, LTE version: 3.01kg (6.64lb)

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

Context camera sensor
1920 × 1200 @ 30 fps; color; global shutter

Available color(s)
Security White / Black

Operating temperature
-40°F to 149°F (-40°C to 65°C) ambient
Storage Temperature: -40°F to 185°F (-40°C to 85°C)

On-board analytics
Vehicle type, vehicle color, speed estimation, direction of travel,
virtual loop, plate origin (state and country***), etc.

Power input
PoE++ (Power over Ethernet) 802.3bt Type 3: 27 W typical,
40 W max
24 V input option: 24 V dc +/-15%, 25 W typical consumption, 37 W max

Satellite positioning†
GPS, Glonass, Beidou, Galileo, QZSS

Sealing (water/dust protection)
IEC 60529: IP66/IP67

Still image compression
JPEG compression for ALPR and Context still images

Data interface
LAN: 1 × 10/100/1000 Base-T Ethernet port
WWAN (select models and territories): 4G/LTE Category 4
· SIM card format: 3FF (Micro)
· LTE Bands:
   · -0M1 model (N-A): B2, B4, B5, B12, B13, B14, B66
   · -0M0 model (global): B1, B2, B3, B4, B5, B7, B8, B12, B13,
      B14, B26, B19, B20, B28

Video streaming
H.264 @ up to 30 fps

Vibration & shock
IEC 60068-2-64: 5~100Hz | 0.5 g rms
IEC 60068-2-27: 10g | 16ms half-sine
MIL-STD-810H §514.8
Category 4 – Composite two-wheeled trailer

Impact††
IEC 62262: IK09

Electromagnetic immunity & emissions
FCC | ICES-003 Issue 4 | CISPR32 / EN55032 | CISPR35 / EN55035

CE marking
2014/30/EU EMC Directive
2014/53/EU Radio Equipment Directive (RED) †

Cellular Certifications
PTCRB IoT Network Certified
AT&T and FirstNet Network ready
Verizon Open Development Certified

Safety
IEC/EN 62471. Photobiological safety of lamps and lamp systems.
Exempt group.
IEC 62368-1 CB-scheme: Audio/Video, Information and
Communication Technology Equipment

External I/Os
2 inputs / 2 outputs (opto-isolated)

Mounting
Pole and wall mount included

*   Contact Genetec for additional details
**   71 mm (2.8 in) high with sun shield for black version;
      81 mm (3.2 in) high with front GPS antenna; 232 mm (9.1 in)
      high with back cellular antennas.
*** Available only for some regions and services.
      Talk to your Genetec representative for details.
†   Requires 4G/LTE option.
††   Requires a Tamper Guard Kit, IEC 62262:
      IK06 for 4G/LTE option

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