



SharpX

The World's Smallest High-Resolution License Plate Recognition Camera with Integrated Illumination

The AutoVu SharpX is the latest IP-based license plate recognition (LPR) camera by Genetec. It allows law enforcement agencies to quickly identify vehicles of interest with the highest degree of accuracy available. Advanced license plate recognition technology has been touted as a true force multiplier, and for good reasons.

Whether an agency is on the lookout for wanted felons, uninsured or prohibited drivers, or any vehicles of interest, the AutoVu SharpX can scan thousands of vehicles per shift, and alert officers when a suspect's vehicle is within the vicinity.

Why Every Law Enforcement Agency Needs AutoVu SharpX

Smallest high-resolution (1024x946) LPR camera on the market

Plate capture across three lanes of traffic (XGA)

Highest read rates in the industry

Up to 5,000 plate captures per minute

Scalable architecture includes up to one dedicated processor per camera

Plate capture up to differential speeds over 200 MPH (320 km/h)

Plate highlight feature for vehicle identification when many vehicles are within the field of view

International plate reading support

Compatible with Genetec's Unified Security Platform

Discreet Form Factor – The AutoVu SharpX is the smallest high-resolution LPR camera on the market with integrated illumination. The AutoVu SharpX's robust IP67 aluminum body stands at 1.65 inches (42 mm) tall, limiting light bar occlusion and making it less obvious to vandals. Its clever design also offers universal mounting for the grill, light bar, trunk or just about anywhere.

Unsurpassed Reading Accuracy – The AutoVu SharpX uses a progressive scan sensor with 1024 x 946 (XGA) resolution to capture the plate images for analysis. This sensor provides two to three times higher image resolution than most solutions found on the market today, ensuring better readability in bad weather, with dirty or obstructed plates, with difficult angles and across three lanes.

Superior Night and Day Performance – The AutoVu SharpX is designed with a state-of-the-art color context camera to provide the best images in a variety of environmental conditions. From morning to late night, officers can expect quality images to help identify the make, model, and even the color of a suspect vehicle.

Unified within the Security Center – The AutoVu system and SharpX camera are integral parts of the Security Center, Genetec's Unified Security Platform. This means an officer can easily incorporate the SharpX into a city-wide surveillance system or merge a stand-alone LPR system into the unified platform later on as needs arise.



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Specifications	AutoVu SharpX	AutoVu SharpX VGA
Camera lens options	• 12 mm, 16 mm, 25 mm, 35 mm, 50 mm	• 12 mm, 16 mm, 25 mm, 35 mm, 50 mm
Camera sensor	• LPR Camera XGA 1024x946 progressive scan @ 30 fps, monochrome • Color camera 640x480 @ 30 fps	• LPR Camera VGA 640x480 progressive scan @ 30 fps, monochrome • Color camera 640x480 @ 30 fps
Temperature	• -4°F to 131°F (-20°C to 55°C) operating environment • -40°F to 185°F (-40°C to 85°C) storage • includes hi-temp auto shutoff protection	• -4°F to 131°F (-20°C to 55°C) operating environment • -40°F to 185°F (-40°C to 85°C) storage • includes hi-temp auto shutoff protection
Extended Temperature Option	• -40°F to 131°F (-40°C to 55°C) operating environment	• -40°F to 131°F (-40°C to 55°C) operating environment
Vibration	• MIL-STD 810G 514.6	• MIL-STD 810G 514.6
Shock resistance	• IEC 60068-2-27	• IEC 60068-2-27
Housing and mounting	• Extruded aluminum housing with universal T-slots on either side for universal mounting	• Extruded aluminum housing with universal T-slots on either side for universal mounting
Illuminator	• Pulsed LED illuminator for effective use in 0 lux (total darkness) environments • Up to 100-foot (30-meter) range with reflective license plates • Different illumination wavelengths available	• Pulsed LED illuminator for effective use in 0 lux (total darkness) environments • Up to 70-foot (21-meter) range with reflective license plates • Different illumination wavelengths available
Water resistance / sealing	• IEC 60529: IP65 + IP67	• IEC 60529: IP65 + IP67
Dimensions	• 1.65 (h) x 4.75 (w) x 4.75 (d) inches (4.2 x 12 x 12 cm) • Excludes cabling and mounting bracket	• 1.65 (h) x 4.75 (w) x 4.75 (d) inches (4.2 x 12 x 12 cm) • Excludes cabling and mounting bracket
Weight	• 1.5 lbs (0.7 kg)	• 1.5 lbs (0.7 kg)

Specifications – AutoVu LPR Processing Unit

External interface	• 2 x 10/100/1000 Base-T Ethernet ports • 2/4 x LPR camera inputs
Dimensions	• 12.6 x 8.6 x 4.72 inches (32 x 22 x 12 cm)
Processor	• Intel® Atom™ Processor N450. One dedicated processor per camera (XGA) or per 2 cameras (VGA) to ensure maximal, per-camera, processing performance
Power supply	• 12/24 VDC @ 60 W typical (76W for 4 camera model)
Temperature	• -40°F to 150°F (-40°C to 65°C) • -40°F to 185°F (-40°C to 85°C) storage • includes hi-temp auto shutoff protection



Powerful and Scalable Processing – Often a mobile LPR solution includes a trunk unit with a single processor which is divided amongst several cameras. Each AutoVu SharpX system comes with up to 4 dedicated Intel processors, ensuring that individual camera performance will not suffer with the addition of more cameras. A fully equipped vehicle can read up to 5,000 plates per minute.

About Genetec

Genetec is a pioneer in the physical security and public safety industry and a global provider of world-class IP license plate recognition (LPR), video surveillance and access control solutions to markets such as transportation, education, retail, gaming, government and more. With sales offices and partnerships around the world, Genetec has established itself as the leader in innovative networked solutions by employing a high level of flexibility and forward-thinking principles into the development of its core technology and business solutions. Genetec's corporate culture is an extension of these very same principles, encouraging a dynamic and innovative workforce that is dedicated to the development of cutting-edge solutions and to exceptional customer care. For more information, genetec.com.

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