



SharpX

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

The SharpX is an IP-based license plate recognition (LPR) camera of the AutoVu system. With its high degree of accuracy and extended field of view, the SharpX makes it easier for law enforcement agencies and municipal and commercial organizations to locate vehicles of interest, enforce parking restrictions and monitor vehicles entering and exiting their premises.

Whether it is deployed in a mobile or fixed LPR system, the SharpX can scan thousands of vehicles per shift and automatically compare them to lists of wanted vehicles, parking permit owners or employees, automatically notifying operators of any situation requiring their intervention.

Key Features

Smallest high-resolution (1024×946) LPR camera on the market

Plate capture across three lanes of traffic in mobile applications (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 with integrated illumination 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, making it less obvious to vandals and allowing it to blend seamlessly with your facilities' architecture. 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 × 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 in mobile applications.

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 allows you to augment LPR data with video surveillance footage, allowing operators to quickly assess the context in which the hit has occurred.



Innovative

Genetec



AutoVu SharpX

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

Specifications	AutoVu SharpXGA	AutoVu SharpX VGA	Specifications – AutoVu LPR Processing Unit
Camera lens options	• 12 mm, 16 mm, 25 mm, 35 mm, 50 mm	• 12 mm, 16 mm, 25 mm, 35 mm, 50 mm	External interface • 2 × 10/100/1000 Base-T Ethernet ports • 2/4 x LPR camera inputs
Camera sensor	• LPR Camera XGA 1024×946 progressive scan @ 30 fps, monochrome • Color camera 640×480 @ 30 fps	• LPR Camera VGA 640×480 progressive scan @ 30 fps, monochrome • Color camera 640×480 @ 30 fps	Dimensions • 12.6 × 8.6 × 4.72 inches (32 × 22 × 12 cm)
Temperature	• -4°F to 140°F (-20°C to 60°C) operating environment • -40°F to 185°F (-40°C to 85°C) storage • IEC 60068-2-1:2007 Category Ad • IEC 60068-2-2:2007 Category Bd • IEC 60068-2-14:2009 Category Na • Includes hi-temp auto-shutoff protection		Processor • Intel® Atom™ Processor N450. One dedicated processor per camera (XGA) or (VGA) to ensure maximal, per-camera, processing performance
Extended Temperature Option	• -40°F to 140°F (-40°C to 60°C) operating environment		Power supply • 12/24 VDC @ 60 W typical (76W for 4 camera model)
Vibration	• MIL-STD-810G Method 514.6C, Cat 4		Temperature • -40°F to 150°F (-40°C to 65°C) • -40°F to 185°F (-40°C to 85°C) storage • IEC 60068-2-1:2007 Category Ad • IEC 60068-2-2:2007 Category Bd • IEC 60068-2-14:2009 Category Na • Includes hi-temp auto shutoff protection
Shock resistance	• IIEC 60068-2-27:2008 Test Ea • IEC 60068-2-31:2008 Test Ec, Procedure 1		Weight • 7 lbs (3.2 kg))
Housing and mounting	• Extruded aluminum housing with universal T-slots on either side for universal mounting		Electro-magnetic Immunity and Emissions • FCC part 15 Subpart B • ICES-003 Issue 4 • CISPR22: 2008 / EN55022:2010+AC2011 • CISPR 24: 2010 / EN 55024:2010
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	EMC Directive (CE Marking) • 2004/108/EC • 2004/104/EC
Water resistance / sealing	• IEC 60529:2001-02IPx5, IPx7		
Available Colors	• White / Black		
Dimensions	• 1.65 (h) × 4.75 (w) × 4.84 (d) inches (4.2 × 12 × 12.3 cm) • Excludes cabling and mounting bracket		
Weight	• 1.5 lbs (0.7 kg)		
Electromagnetic Immunity and Emissions	• FCC part 15 Subpart B • ICES-003 Issue 4 • CISPR22: 2008 / EN55022:2010+AC2011 • CISPR 24: 2010 / EN 55024:2010		
EMC Directive (CE Marking)	• 2004/108/EC • 2004/104/EC		



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.

2280 Alfred-Nobel Blvd., Suite 400, Montreal, QC, Canada H4S 2A4 | T 514.332.4000, F 514.332.1692 | genetec.com | info@genetec.com