



# AutoVu Sharp



## IP-Based License Plate Recognition (LPR) Device

The AutoVu Sharp is an IP-based License Plate Recognition (LPR) device which delivers advanced digital video processing, superior plate reading performance, and industrial grade durability for applications including law enforcement, revenue control, surveillance, and parking. Available for both fixed and mobile installations, the AutoVu Sharp functions over an IP network and provides the advantages of having sophisticated analytics residing on the edge.



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### Applications

- Law enforcement
- Security and surveillance
- Access and revenue control
- Parking enforcement

### Unique Advantages of Processing on the Edge

**Simplified installation and configuration** - Units are pre-configured to facilitate installation and aiming without requiring any other adjustments. Minimal cabling requirements also help make installation effortless.

**On-board video compression and streaming** - Dedicated hardware is included to provide real-time video compression that is essential when streaming video across a network.

**Reduced network load and head-end processing** - Since all analytics are performed directly on the edge, the quantity of network traffic is significantly reduced.

### Superior Benefits of Advanced Technology

**Unsurpassed Reading Accuracy** - Designed to meet the highest industry standards, the AutoVu Sharp boasts unequalled precision as it automatically reads plates of parallel, 45 or 90 degrees parked or moving vehicles. In both fixed and mobile applications, this cutting-edge device upholds extremely high readability rates to ensure that all vehicle plates are accurately identified, allowing for an overall increase in user efficiency.

**High-Speed Plate Capture** - The AutoVu Sharp's advanced technological capabilities allow it to capture license plates from vehicles moving at differential speeds of up to 140 MPH or 225 km/h. Whether mounted over toll roads or on a speeding law enforcement vehicle, unlawful drivers will have difficulty escaping the swiftness of the AutoVu Sharp.

**Extensive Field of View \*** - Showcasing some of the most advanced technology available, this rugged LPR device has the ability to read license plates spanning two lanes of traffic. The AutoVu Sharp's far-reaching capabilities are unrivalled in the industry, allowing users to effectively double their reach and thus, their productivity.

**Fixed and Mobile Installations** - This device can be integrated into a CCTV platform as a fixed access control point, or as a component of a city-wide surveillance system and can also be mounted on a vehicle as a mobile application. The AutoVu Sharp can integrate with multiple Genetec solutions which enables you to tailor this high-performance LPR solution to your specific needs.

**International Plate Reading Support** - With the ability to read plates from all over the world, the AutoVu Sharp is a solution that meets the requirements of various context environments. This device meets unsurpassed accuracy, regardless of the license plate style.

\*XGA model only



### Models and Specifications

#### Sharp Model EX – Processing units

Encoder-like functionality with added LPR processing  
Supports 2 Standard Definition (SD) NTSC or PAL inputs

#### Features:

Simultaneous LPR, compression, and streaming  
LPR at 30 frames per second / 2 channels  
Rugged, compact, environmentally sealed enclosure

#### Sharp Models XGA – Processing units with internal cameras and illumination

Cameras: 1 LPR and 1 SD color overview

#### Features:

High-definition progressive-scan LPR camera  
Pulsed high-intensity illumination source  
Automated exposure control  
Rugged, compact, environmentally sealed enclosure  
Low profile vehicle-mount for reduced light bar occlusion

#### Specifications – Sharp Models EX, XGA

External interface	<ul style="list-style-type: none"> <li>1 x 10/100 Base-T Ethernet ports</li> <li>Internal 10/100 Base-T network</li> </ul>
Compression	<ul style="list-style-type: none"> <li>Compression of SD video streams</li> <li>Concurrent video compression and LPR</li> </ul>
Operating system	Windows XP Embedded **
Temperature	-40°C to 50°C, operating, -40°C to +85°C, storage
Vibration	<ul style="list-style-type: none"> <li>MIL-STD-810F, Method 514.4</li> <li>Operating: 10~55Hz/0.075mm, 55~500Hz/1.0g</li> <li>Non-operating: 10~55Hz/0.15mm, 55~500Hz/2.0g</li> </ul>
Random Vibration	<ul style="list-style-type: none"> <li>MIL-STD 810F, Method 514.4</li> <li>0.04g<sup>2</sup>/Hz, 20-1000Hz for 3 hrs</li> </ul>
Shock	<ul style="list-style-type: none"> <li>MIL-STD-810F, Method 516.4</li> <li>Operating: 15g, 11 ms, half sine wave</li> <li>Non-operating: 50g, 11 ms, half sine wave</li> </ul>
Power supply	12-24 VDC @ 30 W typical

#### Additional Specifications – Sharp Models XGA

High Definition (HD) Sensor Options	<ul style="list-style-type: none"> <li>XGA 1024x768 @ 30 fps, monochrome</li> <li>Interline-transfer progressive scan CCDs</li> <li>Sensor is synchronized with illuminator flash</li> </ul>
Lens Options	<ul style="list-style-type: none"> <li>12 mm, 16 mm, 25 mm, 35 mm, 50 mm</li> </ul>
Housing and mounting	<ul style="list-style-type: none"> <li>Tamper resistant with impact-proof front window</li> <li>Pan / tilt mount included</li> </ul>
Illuminator	<ul style="list-style-type: none"> <li>Pulsed LED illuminator for effective use in 0 lux (total darkness) environments</li> <li>Up to 92-foot (28-meter) range with reflective license plates</li> <li>850 nm, 780 nm, 590 nm wavelengths available</li> </ul>
Water resistance	IP67
Dimensions	11.1 x 8.5 x 2.3 in (282 x 216 x 57 mm), excluding cabling and mounting bracket
Weight	7.7 lbs (3.5 kg)

\*\* Windows XP Embedded is a trademark of Microsoft Corporation.

#### About Genetec

Genetec is a pioneer in the physical security and public safety industry and a global provider of world-class IP video surveillance, access control and license plate recognition (LPR) 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, [www.genetec.com](http://www.genetec.com)