



AutoVu™ Sharp

IP-Based Automatic License Plate Recognition Camera with Onboard Processing

The AutoVu Sharp is an IP-based automatic license plate recognition (ALPR) camera with onboard processing. Versatile and accurate, the Sharp is ideally suited for fixed ALPR installations, such as monitoring entries and exits, or capturing license plates from fast-moving vehicles on city streets and highways. With its onboard processor, the Sharp can also be deployed as a mobile system without requiring wiring to the vehicle's trunk.

Combining a high-resolution ALPR camera, a secondary context video camera and onboard processing in a single device, the Sharp detects and reads license plates on the edge, and communicates over any wireless or wired network. The Sharp also supports the full suite of AutoVu advanced vehicle analytics.

Benefits

Extensive Field of View – Leveraging the latest technologies available and Genetec's powerful AutoVu ALPR engine, the Sharp has the ability to read license plates spanning two lanes of traffic in mobile ALPR applications (XGA model), increasing its reach and capture rate.

Simplified Installation and Configuration – The AutoVu Sharp's onboard processing and universal mount accelerate deployment without compromising on performance. Requiring a single cable connection, the Sharp can be up and reading quickly, and can store read images and data when network connectivity is missing.

Go Beyond ALPR With AutoVu Advanced Vehicle Analytics

The Sharp's powerful processor gives you access to AutoVu's suite of vehicle analytics. Identify a vehicle's make, detect its speed and direction of travel, as well as its license plate's state or country of origin, all while capturing and reading license plates automatically.

Unified with Video Surveillance and Access Control

The Sharp is unified with video surveillance and access control systems within Genetec's Security Center platform, and streams live video from its secondary context camera to the operations center. ALPR events can also trigger video surveillance recording from other cameras, or activate a variety of pre-defined processes leveraging all unified systems.

Key Features

All-in-one design speeds up deployment

IP67-rated enclosure enables operations in harsh environments

Day and night operations day with built-in illumination

Stream live video to Genetec's Security Center unified security platform

Detect a vehicle's speed and direction of travel with a single camera

Identify vehicle make and license plate state or country of origin alongside ALPR reads

International plate reading support



AutoVu Sharp Specifications

	AutoVu Sharp XGA	AutoVu Sharp VGA
ALPR camera sensor	1024 × 946 progressive scan @ 30 fps, monochrome. Wide mode (1280 × 808) and Full mode (1264 × 948) also available within the same camera	640 × 480 progressive scan @ 30 fps, monochrome
Capture range	Up to 100-foot (30-meter) range with reflective license plates	Up to 70-foot (21-meter) range with reflective license plates
Dimensions	2.5 × 9.25 × 11.25 inches (11.49 including sunshield for black version) Dimensions include universal mount	2.5 × 9.25 × 9.88 inches (10.12 including sunshield for black version) Dimensions include universal mount
Weight	10.1 lbs (4.6 kg)	8.71 lbs (3.95 kg)
Illuminator	Pulsed LED illuminator for effective use in 0 lux (total darkness) environments Different illumination wavelengths available	
Camera lens options	8 mm, 12mm, 16 mm, 25 mm, 35 mm, 50 mm	
Context camera sensor	Color camera 640 x 480 @ 30 fps (ALPR) and 15 fps (live video streaming in fixed installations)	
GPS option	Available with XGA model	
Available color(s)	White / Black	
Temperature	-4°F to 140°F (-20°C to 60°C) operating -40°F to 185°F (-40°C to 85°C) storage IEC 60068-2-1 Category Ad IEC 60068-2-2 Category Bd IEC 60068-2-14 Category Na Includes hi-temp auto-shutoff protection	
Extended temperature option (Available on XGA model)	-40°F to 140°F (-40°C to 60°C) operating	n/a
Power supply	12/24 VDC @ 27 W typical	
Water resistance	IEC 60529 IPx5, IPx7 IEC 60529 IP6x	
Operating system	Windows 7 Embedded*	
Compression	Concurrent video compression and ALPR	
External interface	1 x 10/100/1000 Base-T Ethernet port	
Vibration	MIL-STD-810G Method 514.6 Cat 4	
Mechanical shock	IEC 60068-2-27 Test Ea IEC 60068-2-31 Test Ec, Procedure 1	
Electromagnetic immunity & emissions	FCC part 15 Subpart B ICES-003 Issue 4 CISPR22 / EN55022 CISPR 24 / EN 55024	
EMC Directive (CE marking)	2004/108/EC	

* Windows 7 Embedded is a trademark of Microsoft Corporation.

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