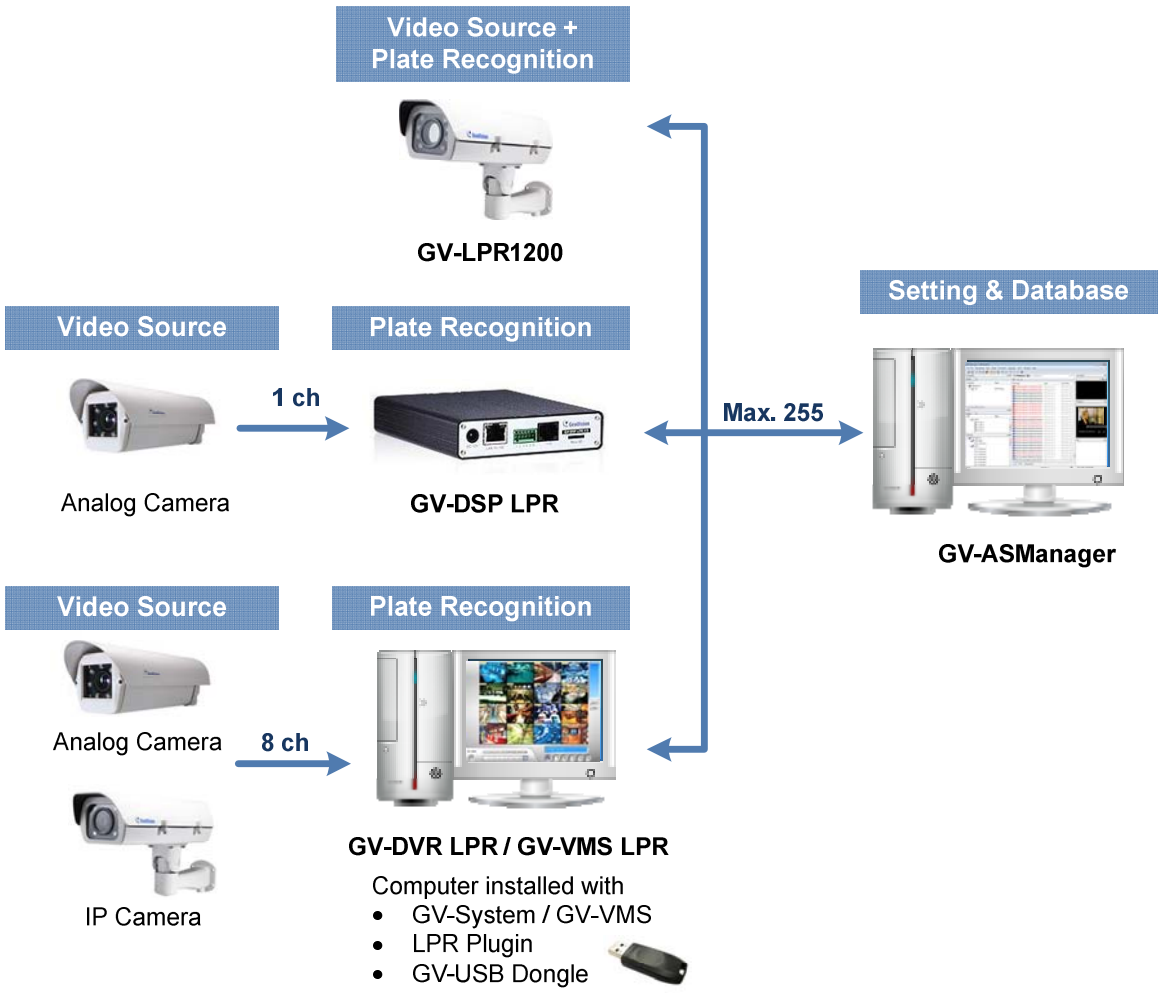
Introduction

GeoVision's License Plate Recognition is an effective and low-maintenance solution to ensure the security of parking lots, which are prone to crimes due to isolated and unstaffed corners. In addition to providing high-resolution video monitoring and recording, the LPR solution detects and recognizes vehicle license plates upon motion or I/O trigger.

A GV-LPR1200, GV-DSP LPR, GV-DVR LPR or GV-VMS LPR recognizes license plates detected in the video source, and sends the LPR results to GV-ASManager. Access can be granted when the detected license plate numbers match the vehicle registered in GV-ASManager's database. Alarm notifications and playing back LPR results are also supported.



Available Version

Argentina	Australia	Austria	Belgium
Brazil	Canada	China	Chile
Columbia	Croatia	Czech Republic	France
Germany	Hungary	India	Ireland
Israel	Italy	Morocco	Mexico
Norway	Poland	Portugal	Qatar
Russia	Slovakia	South Africa	Spain
Taiwan	UK	USA	Vietnam

There is a Global version which is suitable for most of the other countries. More are to be implemented.

Features

GV-ASManager Access Control System

- Control up to 255 GV-DVR LPR / GV-VMS LPR / GV-DSP LPR / GV-LPR1200
- Up to 8 recognition channels per GV-DVR LPR / GV-VMS LPR
- Up to 100,000 vehicles
- Multiple vehicles per user
- Import / export of vehicle data in Access or Excel file format
- Vehicle hotlist to help locate stolen vehicles or other vehicles of interest
- Parking lot management to control vehicle access, maximum stay time allowed and number of vehicles allowed
- GV-Access mobile applications to remotely open LPR lanes
- GV-ASWeb: Remotely enroll vehicles and set up GV-DVR LPR / GV-VMS LPR / GV-DSP LPR / GV-LPR1200 on GV-ASManager
- GV-ASWeb: Remotely search detected vehicles, see license plate snapshots, watch recordings from connected GV-DVR LPR / GV-VMS LPR / GV-DSP LPR / GV-LPR1200
- Languages supported: English, French, Hebrew, Japanese, Portuguese, Russian, Serbian, Spanish, Traditional Chinese, Turkish

System Requirements

GV-ASManager

The following are minimum system requirements to run GV-ASManager.

OS	32-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008
	64-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008 R2 / Server 2012 R2
CPU		Core 2 Duo E8400, 3.0 GHz
Memory		2 x 1 GB Dual Channels
Hard Disk		500 GB
VGA		PCI-Express, 1280 x 1024 , 32-bit color and support DirectX 10
DirectX		End-User Runtimes (November 2008)
Software		.NET Framework 3.5 SQL Server 2005 Express (optional)
Browser		Internet Explorer 9.0 or later

Note: GV-ASManager has ended support for Windows XP and Vista.

GV-DVR LPR

Number of LPR Channels	1-4 Channels	5-8 Channels
OS	64-bit Windows 7 / 8 / 8.1 / 10 / Server 2008 R2 / Server 2012 R2	
CPU	Core i5 2400, 3.1 GHz	Core i7 2600, 3.4 GHz
Memory	2 x 2 GB Dual Channels	
Hard Disk	500 GB	
VGA	PCI-Express, 1280 x 1024 , 32-bit color and support DirectX 10	
DirectX	End-User Runtimes (November 2008)	
GV-System	GV-ASManager 4.2.1 - 4.2.3: V8.5.9.0 GV-ASManager 4.3: V8.6.0.0 GV-ASManager 4.3.5 - 4.4: V8.6.2.0 GV-ASManager 4.4.1: V8.6.2.0 or V8.7.0.0 GV-ASManager 4.4.2: V8.7.0.0 or V8.7.1.0 GV-ASManager 4.4.3: V8.7.1.0	
Hardware	External or internal GV-LPR Capture Dongle	

Note:

1. It is recommended to use separate PCs for GV-ASManager and GV-DVR LPR.
2. If no LPR dongle is inserted, license plates will be captured but the plate numbers will not be recognized.

GV-VMS LPR

Number of LPR Channels	1-4 Channels	5-8 Channels
OS	64-bit Windows 7 / 8 / 8.1 / 10 / Server 2008 R2 / Server 2012 R2	
CPU	3rd Generation i7-3770, 3.4 GHz	4th Generation i7-4770, 3.4 GHz
Memory	2 x 2 GB Dual Channels	
Hard Disk	500 GB	
VGA	PCI-Express, 1280 x 1024 , 32-bit color and support DirectX 10	
DirectX	End-User Runtimes (November 2008)	
GV-VMS	GV-ASManager 4.3.5 - 4.4.1: V15.10 GV-ASManager 4.4.2: V15.10 or V15.11 GV-ASManager 4.4.3: V15.11.3	
Hardware	External or internal GV-LPR Capture Dongle	

Note:

1. It is recommended to use separate PCs for GV-ASManager and GV-VMS LPR.
2. If no LPR dongle is inserted, license plates will be captured but the plate numbers will not be recognized.

Software License

Free License	N/A
Maximum License	8 channels
Increment for Each License	1 channels
Dongle Type	Internal or external
Optional Combinations	1. LPR 2. GV-VMS + LPR (1 to 8 license) 3. GV-NVR + LPR (1 to 8 license) 4. GV-DVR + LPR (1 to 8 license)

GV-DSP LPR and GV-LPR1200

GV-ASManager V4.2.1 – 4.2.2 is only compatible with GV-DSP LPR firmware V2.0.3.

GV-ASManager V4.2.3 is only compatible with GV-DSP LPR firmware V2.0.4.

GV-ASManager V4.3 – 4.3.5 is only compatible with GV-DSP LPR firmware V2.10 and GV-LPR1200 V1.01.

GV-ASManager V4.4 – 4.4.3 is only compatible with GV-DSP LPR firmware V2.20 and GV-LPR1200 V1.1.

Options

For GV-DVR LPR and GV-VMS LPR

GV-IO Box	The GV-IO Box provides 4, 8 or 16 inputs and relay outputs. It supports both DC and AC output voltages, and provides a USB port for PC connection.
GV-IP LPR Camera 5R	Ideal for parking lot installation, the GV-IP LPR Camera 5R is a 1.3 MP B/W network camera designed for recognition of reflective license plates on vehicles traveling at 60 km/hr (37 mph) or less.
GV-LPC1100	The GV-LPC1100 is a 1.3 MP B/W network camera designed for recognition of reflective license plates on vehicles traveling at 120 km/hr (75 mph) or less.
GV-LPC1200	GV-LPC1200 is a 1 MP B/W network camera designed for recognition of reflective license plates on vehicles traveling at 200 km/h (124.27 mph) or less.
GV-LPR1200	GV-LPR1200 is a 1 MP B/W network camera designed for recognition of reflective license plates on vehicles traveling at 200 km/h (124.27 mph) or less. With a built-in LPR processor, the camera is capable of recognizing the plate numbers and comparing the captured license plates with a database.
GV-LPC2210	GV-LPC2210 is a 2 MP color network camera designed for recognition of reflective license plates on vehicles traveling up at 120 km/h (75 mph) or less.
GV-LPC2211	GV-LPC2211 is a 2 MP color network camera designed for recognition of reflective license plates on vehicles traveling up at 120 km/h (75 mph) or less.
GV-LPC2011	GV-LPC2011 is a 2 MP color network camera designed for recognition of reflective license plates on vehicles traveling up at 60 km/h (37 mph) or less.

For GV-DVR LPR and GV-DSP LPR

GV-LPR Cam 10A ANPR Camera	The GV-LPR CAM 10A provides 570 TVL high-contrast license plate recognition video to GV-DVR LPR or GV-DSP LPR that identifies license plates. The camera features 7 high-efficient LEDs for an illumination range of 7 ~ 12 m (22.96 ~ 39.37 ft).
GV-LPR Cam 20A ANPR Camera	The GV-LPR CAM 20A provides 570 TVL high-contrast license plate recognition video to GV-DVR LPR or GV-DSP LPR that identifies license plates. The camera features 24 high-efficient LEDs for an illumination range of 15 ~ 25 m (49.21 ~ 82.02 ft).
GV-DSP LPR V3	The GV-DSP LPR is a Linux-based license plate recognition system built in a small box. Integrating with a Web server, the GV-DSP LPR can host its own Web site and compare captured license plates with the database downloaded from GV-AS Manager and open a gate barrier when there is a match.