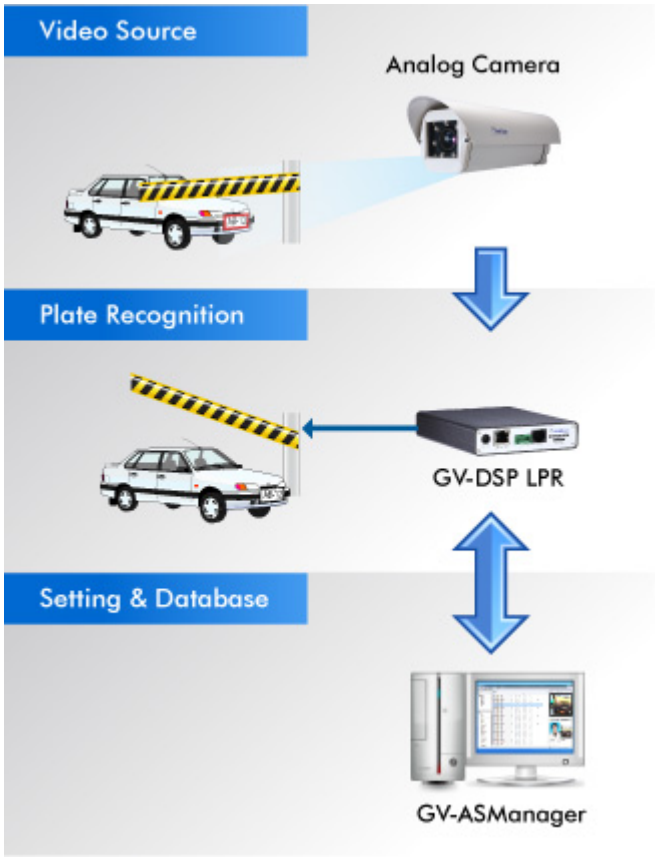
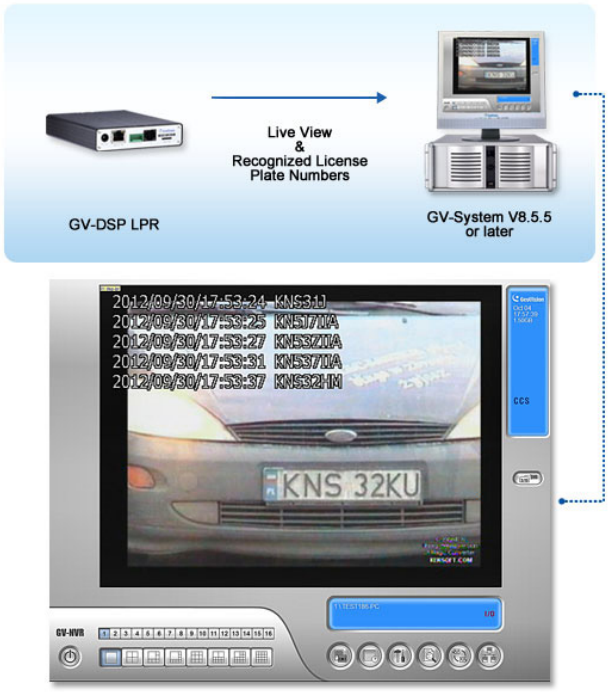
GV-DSP LPR V3

Introduction

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 either with a standalone database created on GV-DSP LPR, or a database downloaded from the access control software GV-ASManager. When there is a match, GV-DSP LPR will open a gate or barrier.



The GV-DSP LPR can also deliver live view images and recognized plate numbers, date and time to the GV-System for security surveillance.



Note:

1. This application is only supported by GV-System V8.5.5 or later.
2. The maximum resolution is 720 x 480 (NTSC) / 720 x 576 (PAL) and the frame rate is 5 (NTSC) / 5 (PAL).

Key Features

- Non-PC based solution for 1 port traffic or mobile license plate recognition
- Wide operating temperature range
- Web-based configuration for image, security settings and firmware upgrade
- Recognition triggered by video motion detection or sensor inputs
- Opening a gate barrier when a captured license plate matches the database
- Manageable by GV-ASManager access control system
- Standalone database
- Digital watermark
- Hardware watchdog
- IP address filtering
- WiFi
- UMTS
- GPS tracking
- Recognition results, images and live videos compatible with other system through OCX SDK

Specifications

System Requirement		
OS	32-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008
	64-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008 R2 / Sever 2012 R2
Browser		Internet Explorer 7.x to 11.x
GV-ASManager		GV-ASManager V4.2.1 – V4.2.2 (for GV-DSP LPR V2.03) GV-ASManager V4.2.3 (for GV-DSP LPR V2.04) GV-ASManager V4.3 – V4.3.5 (for GV-DSP LPR V2.1) GV-ASManager V4.4 – V4.4.1 (for GV-DSP LPR V2.2) GV-ASManager V4.4.2 – V4.4.3 (for GV-DSP LPR V2.30) GV-ASManager V5.0.2.0 or later (for GV-DSP LPR V2.33)

Operation			
Video Input/Output			1 Video In, 1 TV Out
Video Compression			JPEG
Live Resolutions	NTSC		360 x 240, 720 x 480
	PAL		360 x 288, 720 x 576
Live Frame Rate	D1	NTSC	1, 3, 5
		PAL	1, 3, 5
	CIF	NTSC	1, 3, 5, 7, 10
		PAL	1, 3, 5, 8, 12
Image Setting			Brightness, Contrast, Saturation, Hue
Alarm and Event Management			Events triggered by motion detection or sensor inputs Relay outputs triggered by sensor inputs or matched license plate numbers
Mechanical			
Connectors	Video		1 input (BNC port)
	Ethernet		RJ-45, 10/100Base-T
	USB		1 USB 2.0 (only for UMTS)
	TV-Out		1 output (BNC port)
	Local Storage		Micro-SD/SDHC memory card slot (for Class 6 card or above)
	I/O Port		2 digital inputs, 2 digital outputs (DC 5V, 5 mA)
	GPS		1 RS-232
Web Interface			
Security			IP address filtering
Installation			Web-based configuration
Management Maintenance			Firmware upgrade through Web browser
Protocol			HTTP, TCP, UDP, DHCP, NTP, DDNS
Language			English, German, Hebrew, Simplified Chinese, Traditional Chinese
General			
Operation Temperature			-20 ~ 55°C (-4 ~ 131°F)
Power Source			DC 12V, 1A, 50 ~ 60 Hz
Dimensions (W x D x H)			123 x 106 x 25 (mm) / 4.84 x 4.17 x 0.98 (in)
Weight			0.345 (kg) / 0.76 (lb)
Region			
Country Support			Argentina, Australia, Austria, Belgium, Brazil, Bulgaria, Chile, China, Columbia, Cyprus, Czech Republic, France, Germany, Guernsey, Hong Kong, Hungary, Ireland, Israel, Italy, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Qatar, Russia, Slovakia, South Africa, Spain, Taiwan, UK, USA

Note:

1. The Wiegand interface is NOT functional.
2. The GV-DSP-LPR V3 (firmware V1.05 or later) does not support UAE engine.
3. The relay output can only drive a maximum load of DC 5V, 5 mA. Working in conjunction with the GV-Relay V2 module, it can drive a heavier load of up to AC 250V 10A, DC 100V 5A.
4. Specifications are subject to change without notice.

Packing List

1. Power Adaptor
2. Wall Hook
3. Conical Anchor x 4
4. Screw x 4
5. I/O Cable with RJ-45 Connector
6. GV-DSP LPR User's Manual on Software CD

Accessories

Model No	Details
GV-GPS Receiver	GV-GPS Receiver is a Global Position System receiver, allowing you to perform vehicle tracking and location verification functions.
GV-Relay V2	Working with this module, GV-DSP LPR can drive the loads of relay outputs over 5 volts.