

Specifications

GV-DSP LPR Specifications

Connectors	1 Vin, 1 Vout, 1 Ain, 1 Aout, RJ45 10/100Base-T, USB 2.0, SD card 4 Digital Input, 4 Digital Output, RS-232
Protocol	HTTP, TCP, UDP, DHCP, NTP, DynDNS
Operation Temperature	-20~70°C
Dimensions (W x D x H)	174 x 145 x 40 (mm)
Weight	0.75Kg
Country Support	Australia, Austria, Belgium, Canada, Columbia, Croatia, Cyprus, Czech Republic, France, Germany, Hungary, Ireland, Israel, Italy, Norway, Poland, Portugal, Saudi Arabia, Slovenia, South Africa, Spain, Taiwan, Thailand, Turkey, UAE, UK, USA

GV-IRCAM10 Specifications

Distance (optimal)	7~15M
Sensor	1/3" B/W Ex-view CCD
Resolution	600 TVL
Lens Focal Length	5 ~ 50 mm, 10X
Shutter Speed	1/50 sec ~ 1/10000 sec
IP Rating	IP 66
Environment	(Operation: -20°C ~ 50°C Storage: -30°C ~ 60°C)
Power Supply	AC24V / DC12V
Power Consumption	15W
LED Quantity	12 High efficiency reflex LED
Illumination Range	20M (object of view reflecting IR Light)
Illumination View Angle	30°
Illuminator Life	25,000 hrs
Bracket Swivel Angle	360°

Supported Countries

 Australia	 Czech Republic	 Norway	 Taiwan
 Austria	 France	 Poland	 Thailand
 Belgium	 Germany	 Portugal	 Turkey
 Canada	 Hungary	 Saudi Arabia	 UAE
 Columbia	 Ireland	 Slovenia	 UK
 Croatia	 Israel	 South Africa	 USA
 Cyprus	 Italy	 Spain	

Visit our web site for current supported countries. Contact us to add more countries.

Accessory

GV-NET CARD



Interface	RS-232 to PC 9-pin Male-Female Cable
Communication	1200~19200 bps
DC In	Power Adaptor DC 5V
Dimensions (W x D x H)	103 x 64 x 32 (mm)

GV-IO BOX



Input	Input	16
	Input signal	9-30V AD/DC
Output	Relay Output	16
	Relay Status	Normal Open
	Relay Capacitance	USB Connection 30VDC, 3A
		No USB Connection 125/250V DC, 3A
DC In	DC 12V, 1A	
Dimensions (W x D x H)	180 x 183 x 27 (mm)	

Company & Product Overview

GeoVision is a professional manufacturer of intelligent digital video surveillance systems. GeoVision designs, manufactures, and markets GV-series security systems to worldwide customers. GeoVision holds technical edges in state-of-the-art surveillance, video compression, smart video analysis, hi-quality image processing, and hardware enhancements. The products are USA and Taiwan patented and honored with national and international awards.

As a leading total security solution provider, GeoVision has developed sector-specific products used for surveillance of multi-site operation and integration with point-of-sale systems, license plate recognition systems, and central monitoring systems. With our advantages in digital surveillance techniques, we are forging ahead to new fields of IP surveillance, video server, network video storage, access-control DVR, and video security service.

Awards



Company & Address



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Distributed By



GV-LPR / ANPR

LICENSE PLATE RECOGNITION



- Parking Lot Management
- Entrance Management
- Automatic Toll Collection Enforcement
- Traffic Enforcement Statistics
- Border Surveillance
- Stolen Vehicle Search
- Congestion Charge
- Inventory Control
- Journey Time / Average Speed
- Petrol Station Drive-off Prevention
- Surveillance System Integration

All specifications may change without prior notification.
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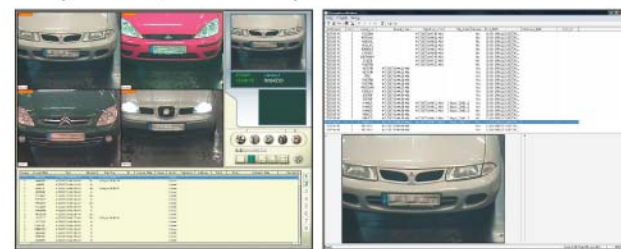
GV-LPR PC-Based Solution

GV-LPR is a Windows-based license plate recognition system that is used to recognize license plates captured from LPR/ANPR cameras. It is able to integrate recognition results, licence plate images and live video from different GV-LPR or GV-DSP LPR through TCP/IP. It provides many useful functions for parking applications and traffic law enforcement.

Key Features of V3.0

- Cutting edge neural network technology recognition kernel
- High recognition rate and fast recognition time
- Recognizes vehicles over speed of 125mph / 200kmph
- Web based interface for remote database management
- Overview cameras
- Digital watermark
- Hardware watchdog
- Supports up to 4 motion mode lanes, 8 I/O mode lanes or 8 GV-DSP LPR lanes
- Recognition triggered by video motion detection, I/O trigger, hot key and software trigger
- Alarm through speaker, relay, e-mail, SMS and user defined application
- Seamless integration with existing external database
- Real time results and images export for integration
- Black list and white list for different actions
- Picture-in-Picture window for overview and the last recognized image
- Supports GV-LPR Center for central control and database management
- Remote desktop control capabilities from GV-LPR Center
- Integrates recognition results from GV-DSP LPR or other GV-LPR system

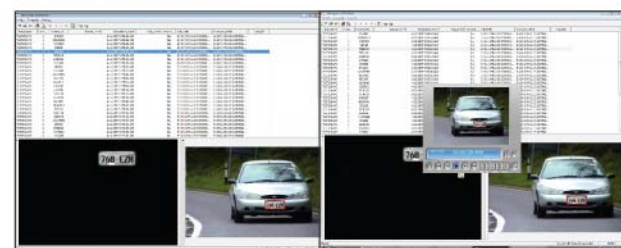
• Stay Time / Overstay Alarm



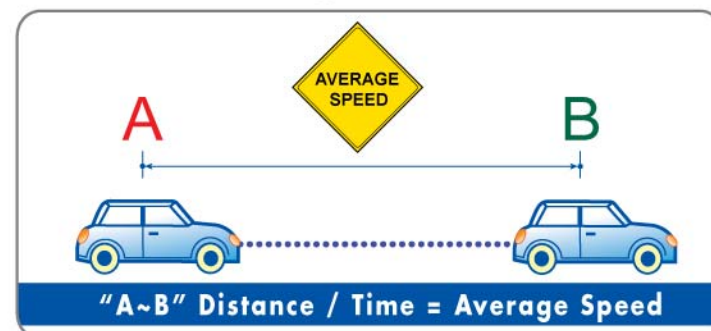
• Counter for passing vehicles and available parking space



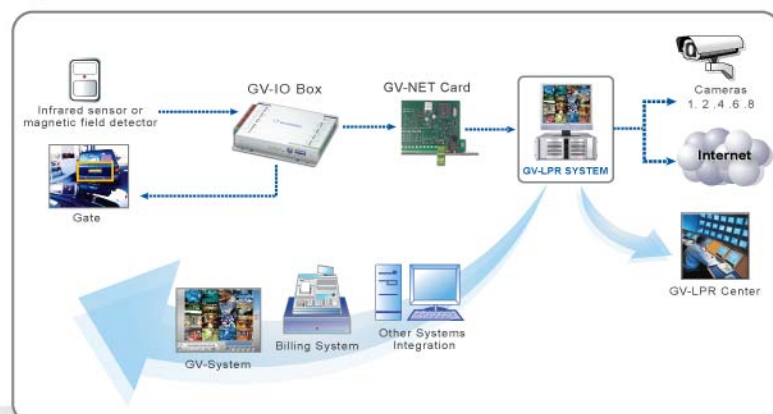
• Seamless integration with GV-Series DVR for video retrieving



• Journey Time / Average Speed / Over Speed Alarm



System Diagram



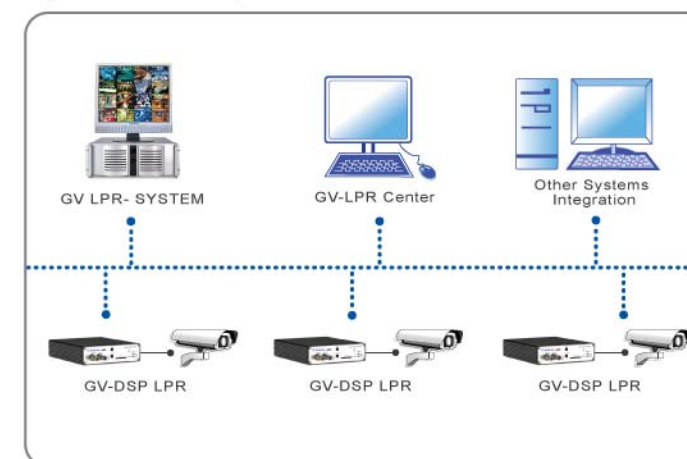
GV-DSP LPR (TI Davinci solution)

GV-DSP LPR is a DSP embedded Linux system built in a small box without fan and hard drive. It is suitable for long distance outdoor environment monitoring. It uses LPR/ANPR camera video as input signals and then outputs the recognition results, captured images and live video through TCP/IP to the GV-LPR and GV-LPR Center. Third party application is extensible through the use of SDK.

Key Features

- Non-PC based solution for 1 port traffic or mobile license plate recognition
- Cutting edge neural network technology recognition kernel
- Wide operating temperature range
- Web interface for setup, live viewing and firmware upgrade
- Recognition triggered by motion detection or I/O device
- Fully integratable with GV-LPR and GV-LPR Center
- Recognition results, images and live video integratable with other system through OCX SDK.
- Digital watermark
- Hardware watchdog

System Diagram



GV-IRCAM10/ GV-IRCAM30 (ANPR/LPR Camera)

GV-IRCAM is a weatherproof 24/7 IR camera specially designed for the LPR/ ANPR application on the reflective license plates. It provides excellent license plate images even in strong sunlight, low sunlight, deep shadow during the daytime and nighttime with or without vehicle headlight on.



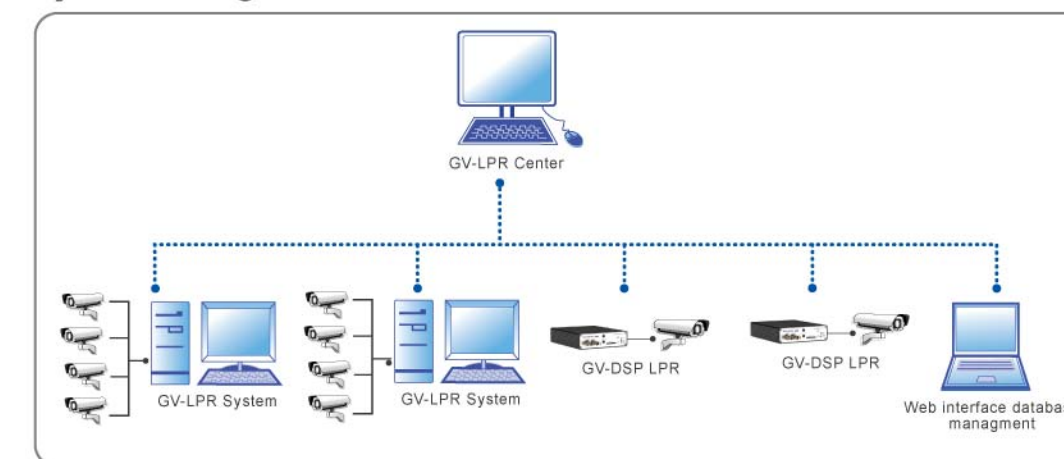
GV-LPR Center

GV-LPR Center can centrally control multiple GV-LPR and synchronize the database. GV-LPR Center is suitable to be used for large scale projects with the needs of central management. Typical applications include traffic and law enforcement, petrol station monitoring and drive-off prevention.

Key Features

- Supports up to 255 GV-LPR or GV-DSP LPR clients
- Central database synchronization with GV-LPR clients
- Maximum 255 pages of GV-LPR or GV-DSP LPR video live view with up to 16 channels per page
- Receives recognition results, recognition images and overview images from GV-LPR clients
- Supports live event list
- Web-based interface for central recognition database search
- Web-based registration database for data editing and client distribution
- Receives recognition result alarms from GV-LPR or GV-DSP LPR clients
- Trigger Relay of GV-LPR or GV-DSP LPR clients
- Remote desktop control over GV-LPR clients

System Diagram



GV-IRCAM10 Key Features

- Built-in powerful IR LED illuminator
- Low power consumption
- Always-on blower inside
- 360-degree swift bracket
- Weatherproof of standard IP66
- IR illumination effective distance: 20M
- Sun shield protection
- Recommended Viewing range: 7-15M

