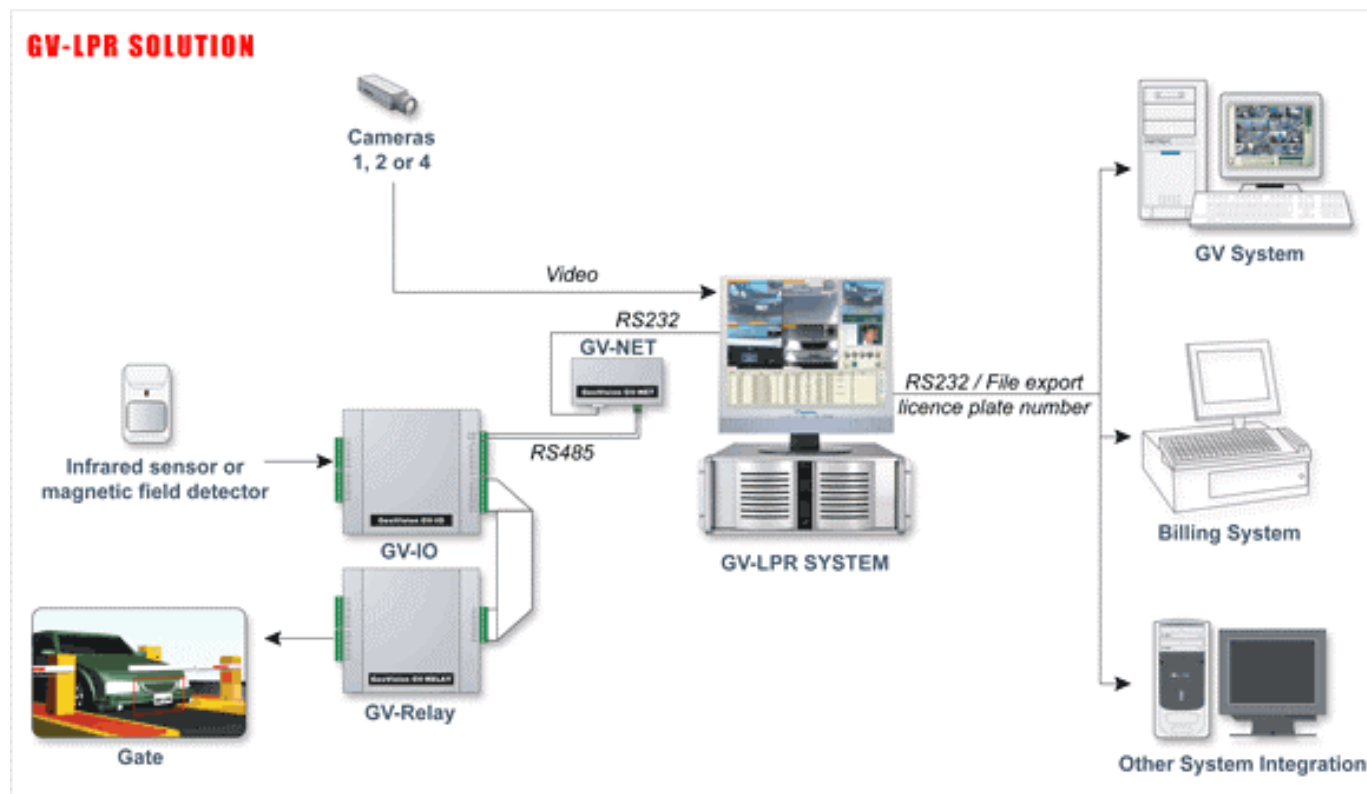


Licence Plate Recognition Systems from Root3



Introduction

GV-LPR is a digital license plate recognition system that utilizes Neural Network Technology of artificial intelligence to identify vehicle license plates. It comprises of a video capture card to acquire images, a software-based engine to recognize characters, a set of I/O modules to integrate with alarm and sensors, and a database to store images for event retrieval or analysis. 1, 2, 4, 6 and 8-lane real-time recognition are available.

Recognition

GV-LPR activates recognition process in two ways. One is by software video motion detection, which detects vehicles passing through the camera and illuminator zone. Second is by I/O activation, which the action triggers recognition and recording on I/O activation. For example, a GV-LPR may be connected to a sensor such as magnetic loop detector, overhead laser scanner, or infrared sensor. When these devices are triggered, the system starts the recognition and sends the output signals to trigger devices like gate controller. The system supports two view modes including Camera Overview and Picture-in-Picture with ease of monitoring.

Applications

- | | | |
|---------------------------------------|---|--------------------------------|
| Parking lot management | ▶ | Traffic enforcement statistics |
| Enterprise entrance management | ▶ | Border surveillance |
| Automatic toll collection enforcement | ▶ | Stolen vehicle search |

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