GeoVision

Better Digital Surveillance System

I/O Device Integration & Support:

- The system can be connected with multiple I/O devices such as card reader, ticket-out system, gate control system, and etc...
- Provide [Hot Key] to manually activate I/O devices.
- Supports plug-in applications such as access control, proximity reader, and coin & token units.
- Support various combination of I/O input signal (0-8 sets) to avoid false alarms.

Specification & System Requirement

Model	Number of cam	Total frame rate	CPU	RAM	VGA	HDD	OS Support
GVC-600-1	1 cam	30 fps	PIII 800 (Minimum)	128 MB (Minimum)	16 MB (Minimum)	40 GB	Win 98 / ME /2000 / XP
GVC-600-2	2 cams	30 fps	PIII 800 (Minimum)	128 MB (Minimum)	16 MB (Minimum)	40 GB	Win 98 / ME /2000 / XP
GVC-600-4	4 cams	30 fps	P4 (Minimum)	128 MB (Minimum)	16 MB (Minimum)	40 GB	Win 98 / ME /2000 / XP
GVC-650-2	2 cams	60 fps	PIII 1G (Minimum)	128 MB (Minimum)	16 MB (Minimum)	40 GB	Win 98 / ME /2000 / XP
GVC-800-4	4 cams	120 fps	P4 (Minimum)	128 MB (Minimum)	16 MB (Minimum)	40 GB	Win 98 / ME /2000 / XP

※ Features are subject to change without notice

GeoVision inc.

Car Plate Recognition

Better Digital Surveillance System

Car Plate Recognition

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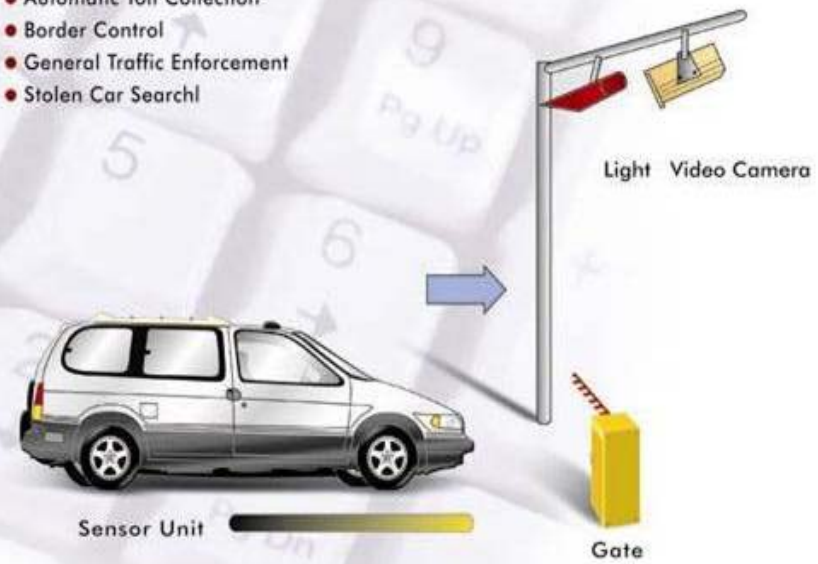
An Intelligent DVR for Parking Management and Traffic Enforcement

Introduction:

GeoVision CPR (Car Plate Recognition) system uses **Neural Networks** technology, a special artificial intelligence method to identify vehicles by their license plates. The CPR system integrates with various I/O devices, such as access- control system, and use CCTV cameras to capture images of the plate. For example, when a vehicle approaches the gate, the CPR software "reads" the license plate, signals to the parking gate, and keeps a time record on the entry or exit of the parking lot for automatic payment calculations. CPR can be used in parking management, stolen car search, traffic monitoring, etc.

Application:

- Public and Private Parking Management
- Automatic Toll Collection
- Border Control
- General Traffic Enforcement
- Stolen Car Searchl



To complete a functional CPR system, the following three components must be included:

1. Sensor unit, or Motion Detection instead.
2. Capture unit: cameras and illumination (such as invisible Infrared device).
3. Recognition unit: Computers, video capture card, and CPR software to read, analyze, and identify car plate images. The CPR software also controls the system to notify gate open or close.

Camera:

- Minimum Luminescence : 0.05 Lux or lower
- Suggested to use Day-type (with Night Vision feature camera) with backlight compensation and AWB (auto white balance) function.

Major Function & Features:

- All types of vehicles are recognizable
- Full plate or partial plate recognition adjustable
- Setup numbers of captured images for comparison
- Recognition time: 0.2-0.3 seconds (less than 1 sec.)
- Users can choose to [Save], [Advise] or [Active I/O device] after recognition/comparison
- Unauthorized plates will activate the system to send immediate alarm to guard or police force.
- Recognition Rate: 99.9%
- Record in JPEG format. 5~8 million entries in a 40GB HDD.
- Input the plate number (including all numbers or partial numbers) in order retrieve the entry and exit time per car
- Retrieve vehicle's entrance/exit information within a specific time interval.
- Apply Digital Watermark Technology for legitimate record.
- Support Recycle and Backup features
- Input/modify data of [Car holder], [Plate number] and [Contact Info] in the database for management and data analysis purpose.