TT SMART VISION

Auto Gate Barrier for VIP and Member LPR

Intelligent barrier control system for members and VIP customers is a system to control the entry-exit of intelligent cars for VIP customers or monthly or yearly members. The system will check data from the license plate number of the car. In-out area With a camera for capturing the license plate of the car Then the system will analyze and verify the information on the license plate and the information in the system whether it is a member customer or not. Then, when the system is verified and found to be a VIP member or a monthly or annual member, the system will order Automatic opening In order to facilitate more customers

System features (Software)

- Detecting only cars and license plates Do not catch people or animals

- More than 90% accuracy for numbers and letters on the label

- Can be used as a mobile license plate reader system

- There is a Blacklist notification system to the Security line.

- There is a system to check and compare with the database.

- The system can add information for VIP customers or monthly memberships annually.

- The system can be integrated with gate barrier to control the opening of the barrier.

- The system can connect the LP93 model IB9365-HT camera to control the barrier. By connecting the DO port of the camera to the Push Button position (the push button) of the barrier system So that the program can immediately open the barrier If the license plate matches the database

- Supports all types of license plates certified by the Department of Land Transport

  ** The Department of Transportation requires the car license plate to be 15 cm wide and 34 cm long.

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- Have a system to store log of work history And displayed on the web page, which can filter data for VIP and Member only

- There is a system to send image data via File transfer protocol

- Support for registration of Thai, Lao, English language license plates

- Supports SQL database, MySQL, Oracle

Camera for use in license plate capture

- Network Camera is a high resolution camera Helping the license plate information to be more accurate (** Recommend the resolution of the license plate image is 150-300 pixels). The thing to consider is that the lens must use the P-iris that gives a sharp image. Clear both images And a set of infrared panel systems that help capture the sign at night with clarity The camera must support Auto Back Focus System to allow night images. Low light with the highest clarity Because the camera will adjust the new focus point Is different between day and night Even if there is a low-pass filter technology that helps filter the light The over-exposure gives a sharper image, resulting in the ability to capture the license plate more and more with the DO connector to control the external device.

Features of the camera used to detect (LPR Camera)

- High resolution (Network Camera)
- It is a camera that can change the distance of the lens. To get the desired image distance The size of the lens is about 12-40mm or 8-50mm.
- Low pass filter technology for cutting bright light for clear images
- There is an infrared set For shining images at night
- There are DI, DO connectors to control external devices.
- The camera supports the IP66 base level in case of external installation.

There are 2 types of license plate handling systems

- License plate capture system, parking lot Entrance - out of the building The characteristics of the vehicle that is detected will run at a relatively low speed. The camera used should be a camera that can change the lens size about 4-18mm.
- License plate capture system on the High Way road. The characteristics of the vehicle that is detected will run at a relatively high speed. The camera used should be a camera designed specifically for the license plate. And can change the lens to approximately 12-40mm or 8-50mm

Installation equipment

- High Definition CCTV (IP Network Camera) and Housing
- Infrared set (in the case of low light and want to see the night image)
- Comprehensive computer set introducing Corei7 Gen6 Speed 2.6GHz, 8GB RAM, 1 TB HDD Windows 7 professional or better or Windows 10 professional or better
- Uninterruptible power supplies for system equipment
- Network Switch device
- Webserver device set (in case of need to manage the central system)
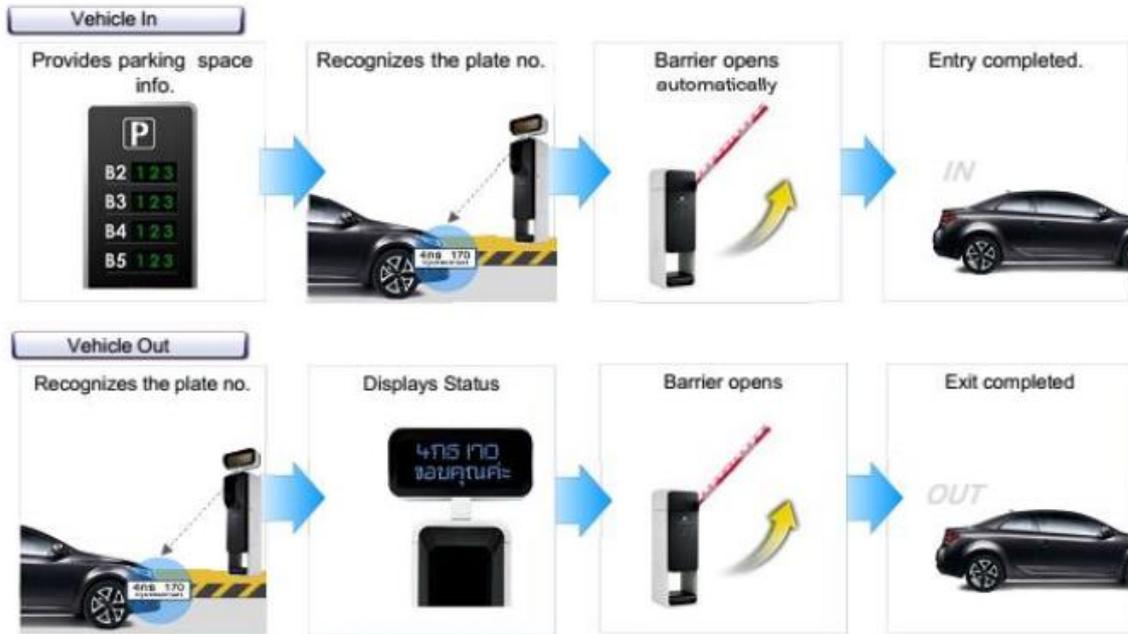- ADSL Router device (in case of need to link and view data from the center)

System structure

System installation restrictions

- Should choose a Network Camera type designed for use with a specific LPR. It will help make the system work more accurate and accurate.

- Select the software system that has been tested, installed and used And have clear reference information

- Should check the equipment that is used to support the software system used or not. Prevent problems with compatibility of devices.

- View and position in the camera installation Must be tested before actual installation. For the most accurate and accurate results

- The license plate that the camera can capture should be sharp from 150-300 pixel to help make the information accurate and accurate.

- In case of needing to capture a red license plate And license plates that are graphical signs Set the camera to capture the image in Night Mode so that the image can be captured.

Examples for System

Highlights of the intelligent parking system for members and VIP customers

- The program can be developed to suit the needs of customers.
- Compatible with all brands of CCTV cameras via ONVIF or RTSP standards