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โปรแกรมตรวจจับความเร็วรถยนต์เกินกำหนด



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Vehicle speed detection system is overdue Is a vehicle detection system that uses the speed of driving on the road beyond the legal limit Which is considered the top cause Of current road accidents The system will work with high quality IP Camera to capture real time images along with sensor devices for detecting vehicle speed. The system will display a vehicle running through the camera for capturing vehicles and showing the speed rate that each vehicle is driving. When any car has used the speed beyond the set value The system will capture the image of the vehicle that is wrong to see the appearance of the car. And clear license plate

Which the information obtained Can be used as evidence In the notification of offenses against motorists who continue to drive traffic violations





System features (Software)

- The system can detect traffic violators.
- The system can detect traffic violators regarding road speed restrictions.
- The system supports the detection speed at 250 km / h.
- The system can detect the license plate of the offending vehicle.
- The system can detect all types of vehicles.
- There is a data management system such as searching for notes, editing
- There is a system to send image data via File transfer protocol
- Support database SQL, MySQL, Oracle, Postgres
- The system can be used in conjunction with Software and other systems such as sheets, reports
- The system can record the motion of the car, breaking the traffic rules.
- There is an image data management system as evidence. And can issue orders legally

There are 2 types of camera

- Camera for holding license plates Is a camera designed specifically for LPR systems
(** The amount used depends on the number of lanes that you want to detect)
- The camera for detecting the overview of vehicles on the road (Overview) has a resolution of no less than 3MP, is a Low Light camera (** The amount used depends on the job page)

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Features of the camera

- High resolution image (Network Camera) in case of camera overview. Resolution is not less than 3MP or better.
- In the case of a LPR license plate camera, the distance of the lens can be adjusted. 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 (Car headlight light) for clear images
- There is an infrared set For shining images at night
- The camera supports the IP66 level of use in case of external installation.

Installation equipment

- Camera for analyzing the traffic light (Overview) and Housing
- In the case of LPR license plate camera, can adjust the range of lenses and housing
- Speed radar detector set
- Infrared set (in the case of low light and want to see the night image)
- Computer Set Specification Processor 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)

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Installation characteristics

- The position of installing the LPR license plate camera and the camera overview is 5-6 meters in height for detecting objects in the range of 12-15 meters (next to the overpass position Or signs that have the characteristics of straddling the entire road)
- In case of detecting 1 lane speed, the road will use a camera to detect the Taibian 1 camera and 1 radar detector and camera for capturing the overall image of the car on the road. Works with detection system software. speed
- The camera angle for detecting approximate characteristics, press down to see the license plate.
- Radar mounting angle detects vehicle speed at 12-15 meters
- In the corner for the license plate And radar detectors Must not be obscured In order to obtain accurate information
- Installation of speed detection systems Can be installed in 2 ways: install the system to detect the front of the vehicle or install the system to detect the rear of the vehicle Depending on the actual needs and location of the installation

System operation

- The license plate detector camera will work in accordance with the radar detector's speed. Is when a vehicle moves into the working range of the radar device for speed capture And the system has checked and entered the conditions for using the overloaded speed Will collect images of such vehicles that see the car's appearance And clear license plate images Including specifying the speed at which the vehicle is used during the offense To be used as supporting information for notifying the offense

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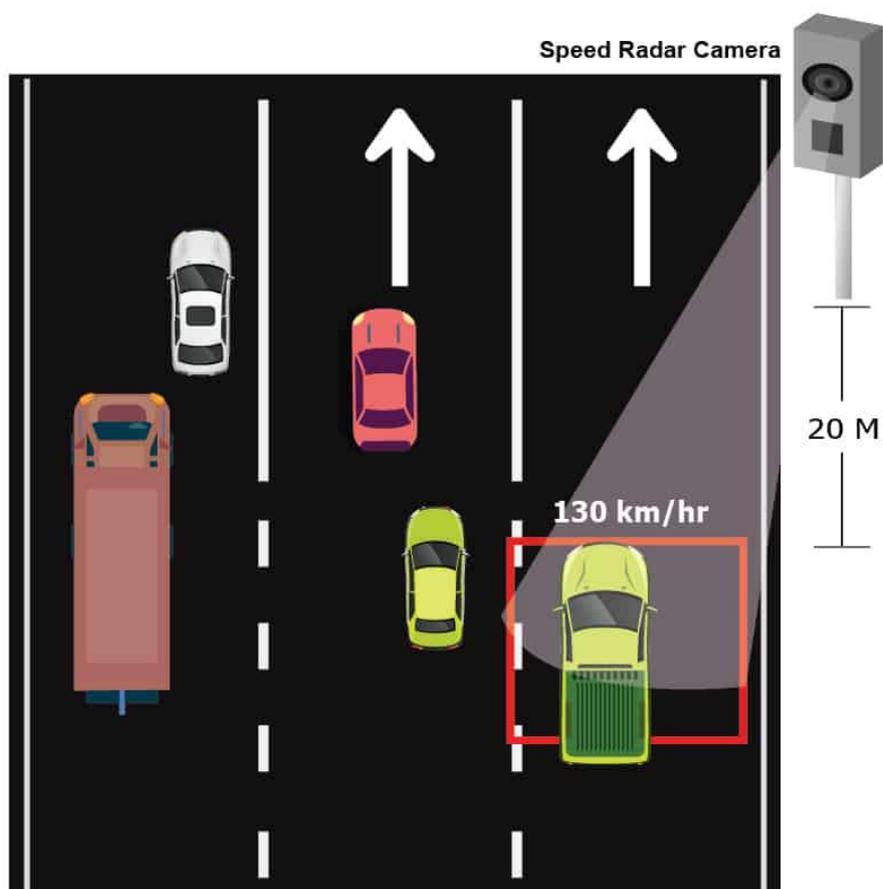


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- Operation of radar equipment Will shoot the microwave wave Then the signal when impacting the object will reflect the contract wave back to the radar device to process the speed at which the vehicle is used.
Km / h format (km per hour)

System structure

Speed Radar Diagram





System installation restrictions

- Network Camera used to be a high resolution camera
- The camera for capturing license plate images should select a Network Camera type that is specifically designed for use with license plate capture, which 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 grip area of the camera must not shake. Because it can cause data errors
- The license plate that the camera can capture should be sharp from 150-300 pixel. It will help make the information more accurate and accurate.
- In case of needing to capture a red license plate And license plates that are graphic signs Set the camera to capture the image in Night Mode so that the image can be captured.
- In the area of installing cameras, license plates, and cameras, the overview must not be obscured. Because it will affect the accuracy and accuracy of the system
- The use of the speed detection system uses a license plate camera, 1 camera and 1 speed radar detector per 1 lane vehicle speed detection (** If you want to detect more than 1 lane, the road can add equipment for Detectable)
- License plates that are damaged, unclear or modified Apart from the Department of Land Transport May result in reduced data accuracy

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



ป้ายทะเบียนจากขนส่ง



ป้ายทะเบียนชำรุด และ ป้ายผิดกฎหมาย

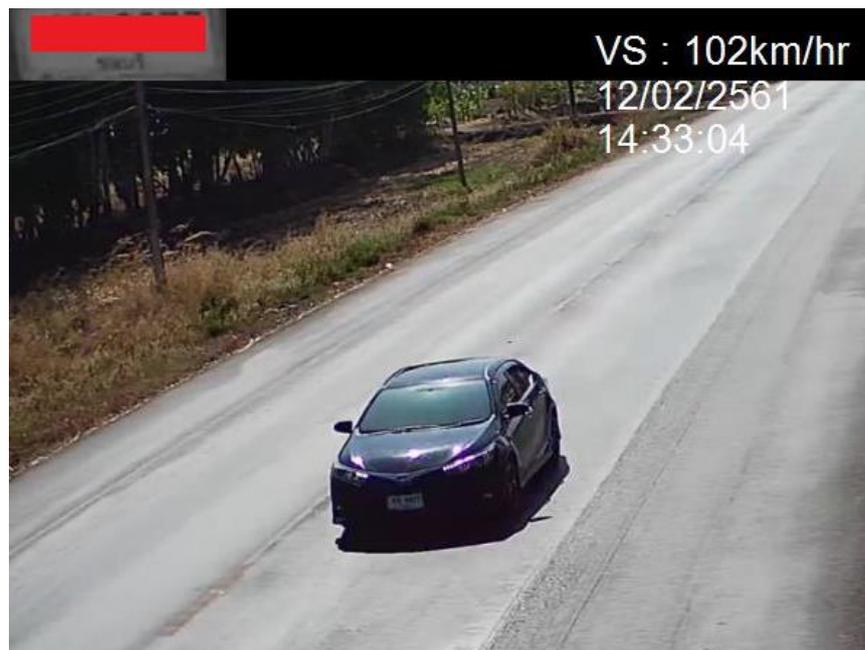
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Example of system operation



Highlights of Car Speed Radar Detection

- The program has been developed with a team of Thai people so can customize the program to suit the needs of customers.
- Can be used with all brands of CCTV cameras via ONVIF or RTSP standards
- Can notify various events to the Video Management Software program that customers want Currently supports VMS, NxWitness, VIVOTEK VAST, 3T SMART and others.

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