

PPA Vehicle Counter

The automatic vehicle counting system using CCTV



PPA Vehicle Counter is the automatic vehicle counting system using CCTV which is as accurate as Vehicle Counter with light curtain sensor. In addition to its high quality, PPA Vehicle Counter offers the low price which is approximately equal to the price of vehicle counter with a standard light sensor, and this price also includes the vehicle image recording device as well.

PPA Vehicle Counter works as light sensor by activating when an object blocks lighting sensor, but uses CCTV as a light detector in order to allow more light to pass through. Image processing technique is also adopted for avoiding the misinterpretation caused by the rain, or the confusion of differentiating between the truck and trailer.

GOOD FOR

- Parking : Calculate and ensure the amount of parking fee that should be collected by the operator.
- Tolling : Calculate and ensure the amount of travel fee that should be collected by the operator.
- Department Stores : Provide information about available parking space.
- Department Stores : Gather and report a list of frequent visitors for marketing purposes.
- Gate control: Capture vehicle images, and provide image search service in case the vehicle is stolen or some problems occur.
- Act as the ticker for license plate recognition and other systems.



Search for the saved car and data

FEATURE

- Allow tracking vehicle record daily, monthly and yearly basis. 99%* accuracy
- Support car speeds up to 120 km/h.
- Able to work in day, night, or dusk.
- Able to work in raining weather condition.
- Can capture vehicle images. Store data for months using less hard disk space.
- Provide API link to connect external systems.
- Easy to use, edit and update as the software is developed and owned by Thai team.

* Tested at Paholyothin Place

COMPONENT

- PPA Vehicle Counter Software
- CCTV Camera: JMK JK-2100
- Adaptor: Output 12V DC
- Outdoor Housing
- Frame Grabber Card : EURESYS PICOLO

SPECIFICATION

| | |
|---------------------|--------------|
| Accuracy | 99%* |
| Minimum Illuminator | 0.05 Lux |
| Vehicle Distance | 0-10 m |
| Camera Angle | 10-90 degree |
| Vehicle Speed | 0-120 Km/Hr |
| Work in raining | OK |
| Work in dust | OK |
| IP Rating | IP65 |
| Database Size | 100 KB/image |
| Camera per Server | 1-16 |

* Tested at Paholyothin Place

SYSTEM REQUIRMENT

- Computer: Intel Pentium 4 3.0GHz
- MS-Windows XP
- RAM 512MB
- Hard Disk 80GB

REFERENCE

- SAHA Pathana Inter-Holding Public Company Limited.
- Isuzu centre Chaing Mai
- PPA news was published on the front page of Thansettakij.
- Silver medal Computer Olympiad



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