

### Main Advantages on the ANPR - LPR - ALPR Software From TGT:

1. Thai Global Technologies constantly evolving and improving
2. 98% or bigger reliability rating on LPR (including damaged vehicle plates, etc.)
3. Processing time of 50ms.
4. Immediate integration with IP cameras (Bosch, Axis, Vivotek, Sony, Panasonic, LG, JVC, IDS-IMAGING, HIK, Mobotix, Lilin, Avigilon, etc.).

5. Possibility of providing up to 8 vehicle plates in one image

### And in the VPAR SERVER LPR - ANPR - ALPR version:

1. Duplicated license plate filtering
2. Shadow killer
3. Slant Detection
4. Perspective correction tools
5. Integrates its own database (SQL server) to log every recognized license plate.
6. Can send XML messages to third party systems.
7. For each license plate logs:
  - License plates (up to 8 on the same image).
  - Confidence level.
  - Traffic direction.
  - Vehicle image (JPG file).
  - Timestamp, GPS position, camera Id, country, etc. Location of the license plate in the image.
  - And more...

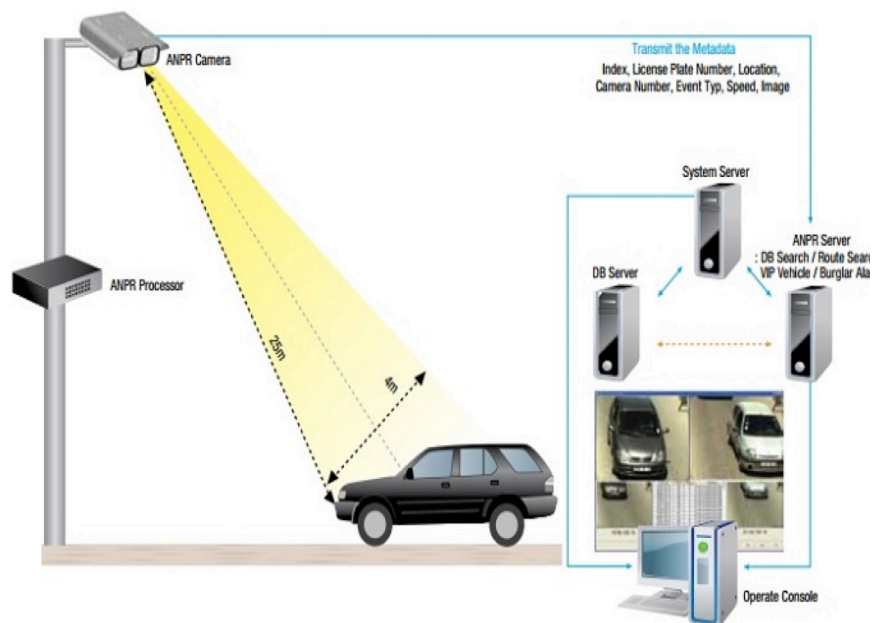






Fig. ANPR & LPR Data Flow

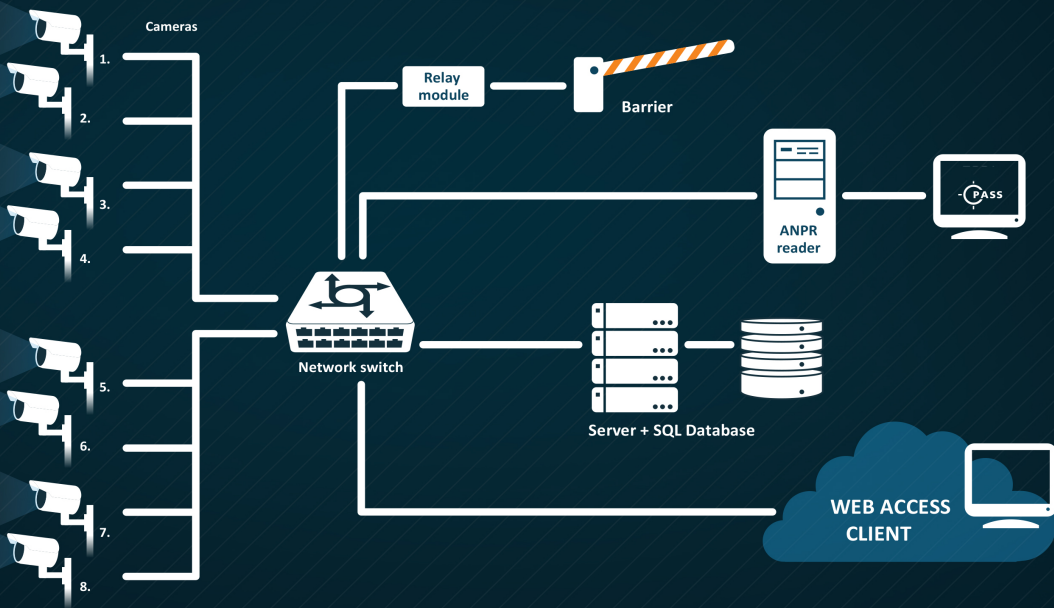


Fig. License Plate Recognition Data Flow





### IP ANPR Cameras - Client/Server configuration



...bringing you vision

Fig. License Plate Recognition Data Flow



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### GPS TRACKING ระบบติดตามรถ



ระบบติดตามรถแบบ Real-Time



#### CCTV กล้องวงจรปิด



#### สัญญาณกันขโมยไร้สาย



#### ระบบตรวจจับทะเบียน ANPR SYSTEM



ระบบไม่กั้น และตรวจจับคันใต้ท้องรถ

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**THAI GLOBAL TECHNOLOGIES CO.,LTD.**

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### VNPC12eHD ANPR / LPR Camera for Security Installations

#### Key Features:

- HD ANPR camera for 24/7 plate recognition
- Various illumination options available
- Captures plates from 3m - 15m
- IP connectivity



The VNPC12eHD camera is optimised for short to mid-ranged ANPR for the following applications:

- Airports, Police and Military installations
- Barrier and access control systems

#### High Quality Imaging

The VNPC12eHD camera provides HD video for high-accuracy ANPR for parking and access control systems.

The 3MP sensor provides detailed images of passing licence plates. The high resolution enables capture of the most challenging plates including those with half-height and stacked characters.

The VNPC12eHD camera is available with multiple illumination options including 850nm and 760nm infra-red and white-light. This flexibility allows clear, crisp, licence plate images to be produced in 24-hour conditions.

#### CitySync Recognition Engine

The camera is complimented by the CitySync recognition engine which is one of the fastest and most accurate in the World. The engine is supported full-time by our in-house development team.

#### CitySync Parking Software

When combined with the CitySync Parking software, users are able to experience a complete parking management and access control system.

The system allows:

- Car Park Counting
- Automated access / barrier control
- LED sign integration
- Alarm management
- Ticketing integration

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## VNPC12eHD



### Camera Specification

Input Power	24V DC
Power Consumption	<18W
ANPR Range Options	From 3m to 15m
ANPR Camera	3MP 1/3" CMOS sensor H264, H265 and MJPEG video streams Supports ONVIF 2.4
Illuminators	Standard 850nm IR, with 760nm and white light options. Illumination angle pre-focused and aligned to suit detection range
Shutter Speed	1/50th — 1/20,000th second
Environmental	-30° to +55° C - operating 0%-95% Relative Humidity IP66
Dimensions and Mass	With sunshield 95 x 195 x 185mm (H x W x D) Without sunshield 75 x 155 x 150
Brackets	Various optional mounts available

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