Licence Plate Recognition

INTEGR8 MODULES

Biometric Readers

Access Card / Tag Readers

IP Surveillance Cameras

Facial Recognition Readers

Smart Readers App

Smart Time & Attendance App

Visitor Management

Elevator Control

Fire Detection

Alarms

Licence Plate Recognition

VALID8

AUTHENTIC8

G8

ELEV8

FORTIG8

PL8

INTEGR8

PL8 provides the ability to retrieve the number plate information from a vehicle in real-time and based on rules apply an appropriate action if required.

Generally automatic license plate systems consist of hardware and software that operate in a 24/7 or on schedule scenario. Plate information is captured and stored in a database when captured by a camera.

Video Analytics is applied to access control in a fast and efficient way, whatever the target scenario.

- It can recognize license plates continuously, or can be triggered by a loop, photocell, etc.

- Can operate barriers using multiple lists.

- It detects make, color, speed, traffic direction and lane, and classifies vehicles.

- can manage capacity control and detection of length of stay in a private car park.

- Alert generation based on multiple lists.

- Automatic reports (occupancy, etc.).

Stores plate data, time and location.

Data can be used with security authority systems to check the status of a vehicle.

Access control rules can be applied to a number plate for entry/exit permissions.

Reporting for further analysis to look for trends or data regarding a certain vehicle

Applications

RESIDENTIAL AREAS

List based automated access.
Access audit.
Historical access register.

MALLS

Alarms on suspicious vehicles or
repeat offenders.
Occupancy control.
Length of stay management.
Investigation on incidents.
Personalized publicity.

PRIVATE CAR PARKS

List based automated access for
residents, employees, providers,
visits, etc.

ROTATION PARKINGS

Connection with parking
management software to print
the license plate in the ticket

TOLLING WITH BARRIER

List based Automated access with
debit charge account

PORTS AND LOGISTIC ZONES

Tractor and trailer license plate
match verification.

INTEGR8

Reporting

Integr8 provides powerful reporting via the Interog8 reporting engine. Users have an option of standard reports. A few of these reports are shown below:

Description	
Basic Search	Manual search for data related to a specific license plate
Historical search	by: license plate, vehicle classification, make, speed, color, lane, etc.)
Basic Overview Report	First in, Last out report; Vehicle list
Audit Logs	Shows changes made to assets and system
System Logs	Shows events, errors and system related logs

All reports have the flexibility to allow the user to filter, hide or show fields and customise layout to suit the users needs. In most cases, this provides the user many options to customise reports to suit the data they are looking for and in turn not requiring a "custom report" to be created.

Custom reports can also be added to the system should the user not find a suitable standard report.

For each vehicle it registers:

- Recognized plate.
- Reliability per reading.
- Color of the car.
- Make of the car.
- Direction detection.
- Type of vehicle (classification).
- Speed of vehicle (NL SPEED).
- Lane of vehicle.
- Images of vehicles.
- Date and time, GPS position, camera ID, etc.
- Country of the plate.
- License plate position in the image.

PORTS AND LOGISTICS

Pl8 can be utilised to track shipping containers; loading and unloading cranes, recording departure details etc. It recognizes the license plates of the trucks and the ID of the containers from several cameras grouping them in a logical fashion to process several sides of the container thus obtaining a much more precise result in the recognition.

It works in an autonomous way, storing the results in its database and can verify license plate or ID lists of the containers in real time.

INCLUDES INTEGR8 SOFTWARE

• Search the historical by detections for: Container or license plate, type, make, speed,color, lane, etc.
• Multiple user management.
• Visualise in real time.
• Multi list. List management & associated actions.
• Operator alerts
• Pre & post events recording.
• Fine management
• Import / export to Excel.
• Automatic reporting.

MAIN FEATURES

• High recognition rate
• Recognises containers from 40 and 20 feet (ISO 6346 Standard)
• Recognises containers without control digit
• Uses several cameras to obtain the best result.
• Recognises license plates from more than 70 countries.
• Admits evidence cameras.
• Multi list management, generating actions in function of these (alerts, opening barriers, etc.).
• For each container we store:
• Container image
• Container ID
• Extra information if available (dimensions, country, etc.)
• Date & time, GPS position, etc.
• Evidence images associated.
• Easy to integrate, Pl8 stores the results in an open database (SQL Server) and launches, if desired, XML/JSON messages to another application.

Average Speed Traffic Control

A high-resolution average speed camera records the number plate using state-of-the-art cryptological technology, together with a time stamp. When the vehicle exits the road section, the number plate is re-captured by the average speed camera. The two anonymous data records are compared and an average speed calculated as evidence of speeding.

Plate: BCD 123 MP
Dir: West
Speed: 62kms/h
Time: 11:04am
Date: 23 Sep 2022
Area: Park Bend

Benefits

Cameras precisely and reliably measure average vehicle speed.

Keep roads safe and traffic flowing.

Cameras can be installed permanently or temporarily.

High-resolution images clearly identify vehicles.

All evidence is encrypted and stored only in the event of offences.

The average speed cameras use state-of-the-art cryptological technology.

Automatically notify driver of infringement via app notification.

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www.INTEGR8systems.co.za