

RECORDING



READING

IN RS 608

License Plate Recognition

Technical Specifications

Powered by



DIGIFORT LPR

Digifort LPR based on neuronal and evolving own technology, provides a system for detecting and reading License Plates from Cars, Containers and Trains ID, Hazard Plates...) very easy to use and with the maximum reading reliability, thus offering an immediate time-to-market.

Recognition technology with an exceptional reliability.

- Add a vehicle plate recognition engine with exceptional quality to your security software, access control, vehicle inventory, etc.
- In just a few days, this engine will enable you to compete with any company that has spent years using vehicle plate recognition.

“ Digifort LPR uses artificial neural networks tested and trained with thousands of real vehicle plate.



MAIN APPLICATIONS



ACCESS CONTROL



TRAFFIC SUPERVISION



VEHICLE INVENTORY



POLICE SURVEILLANCE



MANAGEMENT OF TRANSPORT FLEETS AND OTHERS

ACCESS CONTROL

- Use of the vehicle plate as a key to access an area.
- Linking the vehicle plate to ticket number in order to manage ticket loss and avoid fraud.
- Restricted Access to pedestrian areas.

TRAFFIC SUPERVISION

- Fraud detection at tolls.
- Speed control.
- Red light enforcement.

VEHICLE INVENTORY

- In addition to the image of the vehicle plate, additional images of the vehicle as it enters the area are taken and stored.

POLICE SURVEILLANCE

- Reading of vehicle plates using an onboard camera.
- Checking of the vehicle plates against blacklisted plates.

MANAGEMENT OF TRANSPORT FLEETS AND OTHERS

- Linking of the vehicle plate to vehicle weight.



DIGIFORT LPR ADVANTAGES

- Own neural technology constantly evolving and improving.
- 98% or bigger reliability rating on LPR (including damaged vehicle plates, etc.).
- Processing time of 50 ms
- Recognition of 2-line vehicle plates
- Provides reliability of each vehicle plate
- Provides reliability of each character
- Recognizes motorcycles (2 lines plates)
- Possibility of providing up to 8 vehicle plates in one image
- Reading from memory, BMP and JPG file...
- Hardware independent (cameras, frame-grabbers, etc.).
- Immediate integration with IP cameras (Bosch, Axis, Vivotek, Sony, Panasonic, LG, JVC, IDS-IMAGING, HIK, Mobotix, Lilin, Avigilon, etc.)
- Standard and free-flow versions

“ An efficient traffic management tools

SPECIFICATIONS

Processing time	20 to 150 ms	
Recognition rate	98%* (depending on the acquisition quality and country of the plate). This is a minimum value. It can be higher when using the adequate hardware and configuration.	
Images per second/camera	Stop & Go version	5 (depending on the PC or server)
	Free Flow version	10 a 20 (depending on the PC or server)
Maximum number of cameras	Unlimited, depending on the PC or Server	
Vehicle maximum speed	250km/h (using the adequate camera and lighting)	
Supported Protocols	MJPEG H264 RTSP IDS Imaging JPEG AVI	Gige Vision DirectShow
Supported cameras	AVT, Axis, Vivotek, IndigoVision, Bosch, Avigilon, HikVision, Huawei, Dahua, Messoa, IDS-IMAGING, PointGrey, Basler, JAI, JVC, Mobotix, Pelco, Sony, etc. (specific models of each brand).	
Other video sources	Avi Files	
2 line license plates	Yes	
Motorbike license plates	Yes	
Diplomatic license plates	Yes	
Operative System	Windows 7, Windows Server, Windows 8, Windows 10	
Database	MS SQL Server Express (More recent versions supported, but not included)	
Optional Analytics	Direction Detection Lane Detection	Speed Calculation Vehicle classification
Working modes (per camera)	Free Flow By Trigger By Motion Detection	
Working modes (per camera)	XML messages via Socket SQL Server database access	