CONDUENT

Conduent™ License Plate Recognition Solution

Save Time by Automating the Vehicle Identification Process

Automated license plate recognition is an essential aspect to any toll collection program. While most vehicles traveling on toll roads will likely have a transponder, others will not. If there isn't a way to identify the vehicles accessing the toll roads tolling agencies lose revenue that could be reinvested into transportation projects.

Managing toll lanes is one of the most popular use of license plate recognition, but there are many other possible applications:

- Automated enforcement
- On-street parking services
- Airport parking services
- Estimated travel time
- "Hot List" recognition and assistance with amber alerts
- Identifying stolen vehicles

What do we do differently?

Conduent™ License Plate Recognition (LPR) builds on our core competencies in the areas of device and personalized imaging, machine learning, and data processing. We are able to provide robust and high-accuracy levels for all automated license plate recognition applications including toll operations, traffic management and safety, access control and parking services.

Our system is able to deliver results under various circumstances:

- Multiple states/jurisdictions
- Numerous plate types for each state
- Lighting variation
- Imaging geometry variation
- Resolution variation

Reduce the Number of Manual Reviews

There are three ways that our LPR system can help save money and the time of the review team:

• Signature Implementation

• Image reject process

• Character confidence

Signature Implementation is a feature that makes our LPR system different from others on the market. With this feature, a vehicle's plate is identified by distinctive marks or characteristics in the region of interest. If the system doesn't recognize the plate then it is sent to manual review. The reviewer may confirm or correct the system and in the future, the system will remember that plate from that signature mark and it will not be sent to manual review again.

We also offer an image reject process that saves reviewers time. If our LPR system doesn't find the license plate then it can flag the image as forbidden to send to manual review. This could occur if the vehicle does not contain a license plate, or if the image is too dark, too light, etc., and the manual review team isn't able to identify the plates either. Consequently the image will not be sent to the review team. This feature can be turned on or off.

Character confidence enables the system to provide the reviewer with one letter or number instead of the entire license plate. Using image segmentation, the system can isolate individual characters of the license plate and determine a confidence level for each one. When one character is below a certain confidence level, that item can be sent to manual review for analysis of only that character.

We are committed to innovation and are always improving our solutions.

If you have any questions or would like to demo our solution, please contact

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