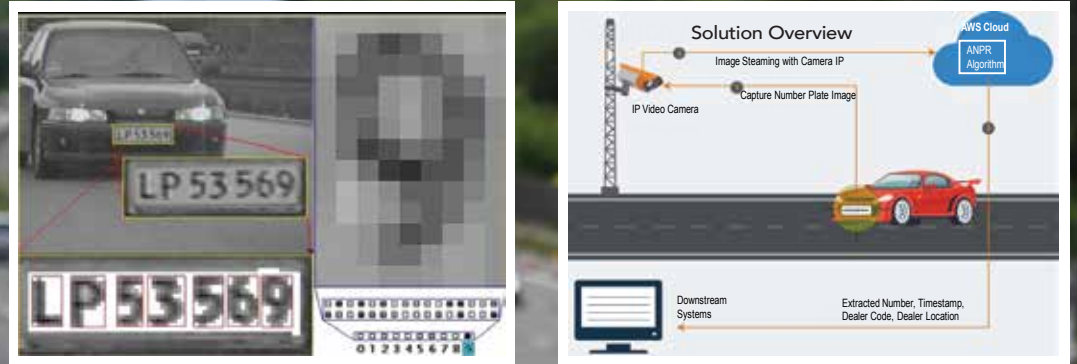


Automated Number Plate Recognition Aids Law Enforcement in Addressing Crime & Traffic Violations



Key Services

- Police and Law Enforcement
- Crime Department
- Private Security
- Public Safety Agencies
- Traffic Management

Executive Summary

In a bid to support & partner the state government/police department's initiative of 'making the city safe' from crime and traffic violations, the Automated Number Plate Recognition (ANPR) technology comes across as a major breakthrough. The solution involves extracting number plate information from traffic surveillance videos & presenting it to the police with pertinent data. It helps them in tracking criminals and traffic offenders among others.

Client Profile

The client is a law enforcement agency of a major state in India.

Business Challenge

The ever growing traffic of the city is creating a series of problems for the police and law enforcement teams. The traffic violation detection/surveillance has always been an issue that has gone unaddressed. The client required a system, which could solve multiple issues and help the law enforcement agencies in providing a unified view of crime and traffic violations.

Solution

ANPR cameras work by using infrared/image capturing technology, involving a process of illumination to take pictures of license plates throughout day and night.

- The cloud-based video analytic solution helps to extract various features - number plate recognition & counting vehicles. The solution can be integrated with third-party apps, too
- It can be configured & customized as per the server's infrastructure & the algorithms can be run in the stored video
- Data collection can help officers save time & effort by scanning the license plates & running them against the database of vehicles of interest
- Data can enhance the investigative capacity of law enforcement agencies & contribute to intelligence collection & analysis functions

Tools and Technologies

- Image Processing/OpenCV
- Object Detection & Tracking
- Machine Learning

Benefits

- Locating and recovering stolen vehicles, arresting and identifying suspects from past cases
- Providing security in high-sensitive zones and managing traffic chaos
- Helping track hit-and-run cases
- Tracking of wrong U-turns and thefts
- Tracked information list can be sent in various formats such as Excel, HTML and PDF
- Departments can find recorded footage by plate number, time of read and location
- System's price-value ratio is favorable as it eliminates programming costs

- Optical Character Recognition (OCR)
- Web Technologies/Server Hosting
- Cloud Capture

About Innominds

Innominds is a Product Engineering Services and Solutions company headquartered in San Jose, CA. It offers co-creation services to enterprises for building solutions utilizing digital technologies focused on Devices, Apps, and Analytics. The skilled team of Innominds is responsible for building better outcomes for its clients through reliable, advanced technologies like Blockchain, Big Data, Artificial Intelligence, Cloud & DevOps and IoT among others.



In case of any queries, please get in touch with us at marketing@innominds.com