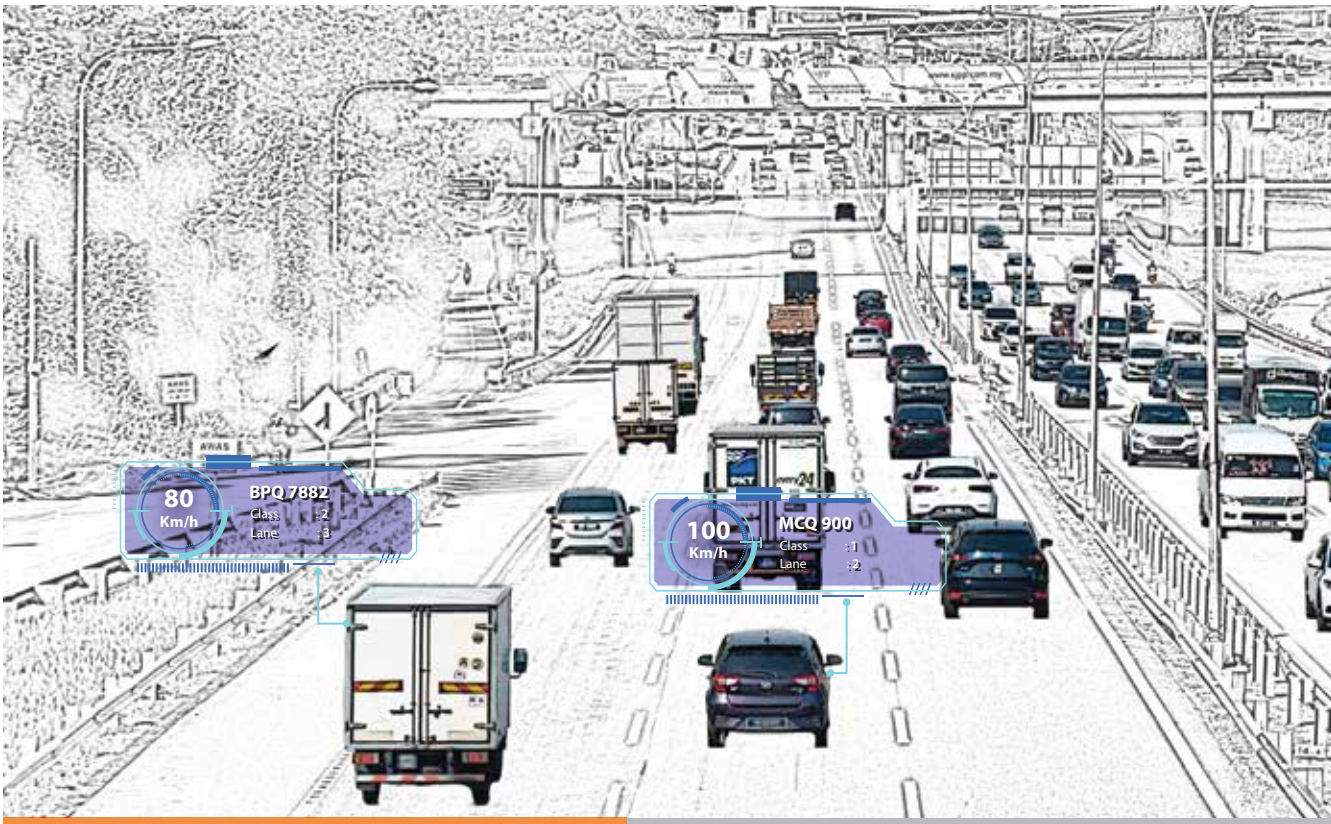
RECOGINE TECHNOLOGY



LPR-SDE

License Plate Recogniser (LPR) for **Speed Detection and Enforcement**

Smart and Secure Living for All

SDE-Series

Industiral-grade License Plate Recogniser (LPR) for Speed Detection and Enforcement

SDE-Series is a line of industrial-grade vehicle license plate recognition (LPR) product designed and built for vehicle speed detection in short distances and fit the requirement by Speed Detection and Enforcement (SDE).

Introducing the **License Plate Recognizer for Speed Detection and Enforcement**. Our cutting-edge technology provides an efficient and cost-effective solution for monitoring and controlling speeding vehicles on your roads and highways. This technology can be used to enforce speed limits on roads and highways.

Key Features

1

Real-time Speed Detection

The system accurately detects the speed of passing vehicles and displays the results in real-time.

2

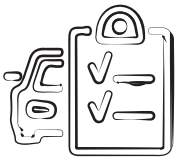
License Plate Recognition

The technology is able to match the license plate number of the speeding vehicle to relevant databases for easy identification.

3

Advanced Analytics

The system provides detailed reports and analysis of speeding vehicles and their corresponding speeds, allowing you to make informed decisions about enforcement efforts.



4

Easy to Use

The user-friendly interface makes it easy for law enforcement officers to monitor speeding vehicles and enforce traffic laws.

5

Cost-effective

Our License Plate Recognizer provides a cost-effective solution for speed enforcement, eliminating the need for manual monitoring and reducing the margin of error associated with traditional methods.

Why choose LPR for Speed Detection and Enforcement?

1

AUTOMATES THE PROCESS

By automating the process of speed detection and enforcement using LPR technology, it reduces the need for manual intervention, saving time and resources. This allows law enforcement agencies to focus their efforts on other important tasks.

2

REDUCES HUMAN ERROR

Traditional methods of speed detection and enforcement rely on human judgement and are prone to errors. Our LPR technology helps to eliminate these errors, resulting in more accurate and reliable data.

3

INCREASES SAFETY

Speeding is a major cause of accidents and fatalities on roads. By enforcing speed limits using our LPR technology, it can help to reduce the number of accidents and improve road safety for everyone.

4

FACILITATES INVESTIGATION

In case of an accident or criminal activity, our LPR technology can be used to quickly identify and locate vehicles, which can assist in investigations.

Technical Features

Powered by Deep Learning Technology

High Performance, High Precision

Support both Centralized and Edge Processing

Easy Integration with Parking System

Industrial-proven, Wide Adoption

SDE Models

SDE-EX

Designed & built to fit industrial LPR application that requires real-time performance on-site and immediate response with third-party application.

SDE-C

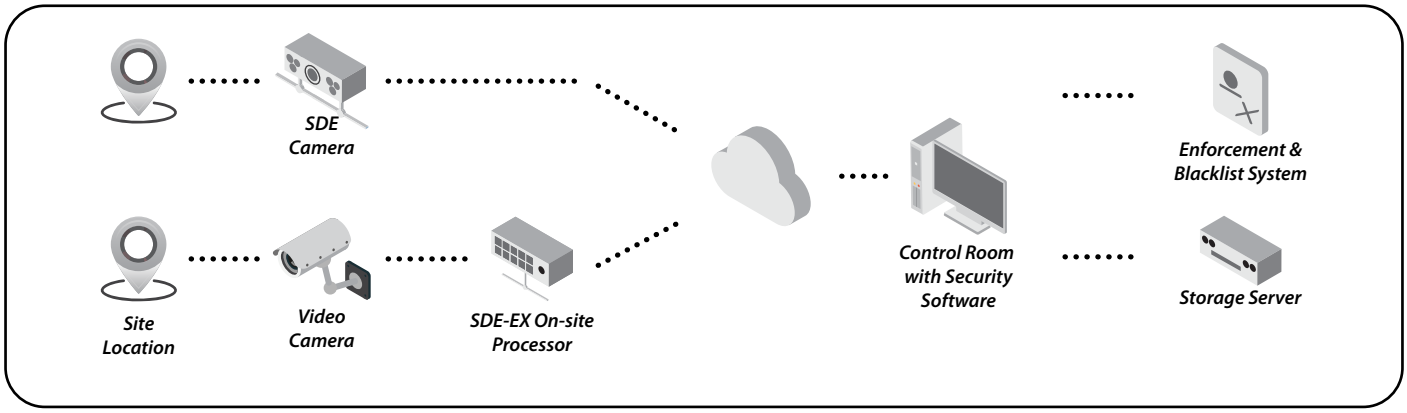
Rack-mounted LPR engine server designed and built to fit large-scale applications capable of processing up to 10 channels (real-time) from one location.

SDE-Camera

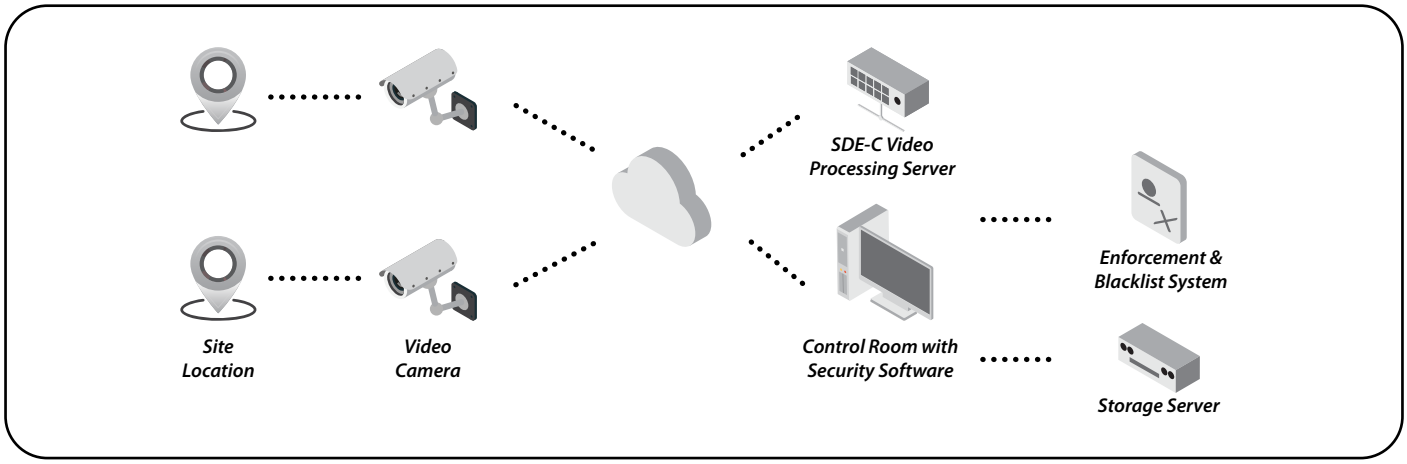
High performance LPR design and in-built onto a mobile camera for on-site license plate reading and various enforcement applications.

**All pictures shown here are for illustration purpose only. Actual product size may vary.*

System Architecture for SDE-EX & SDE-Camera



System Architecture for SDE-C



SDE Series Functions

- Real time license plate recognition
- Support single or multiple channels
- Vehicle classification
- Web-based management module
- Image snapshot & timestamp
- Support ONVIF compliant cameras
- Scalable speed calculation
- Ready to interface with enforcement systems

Use Cases

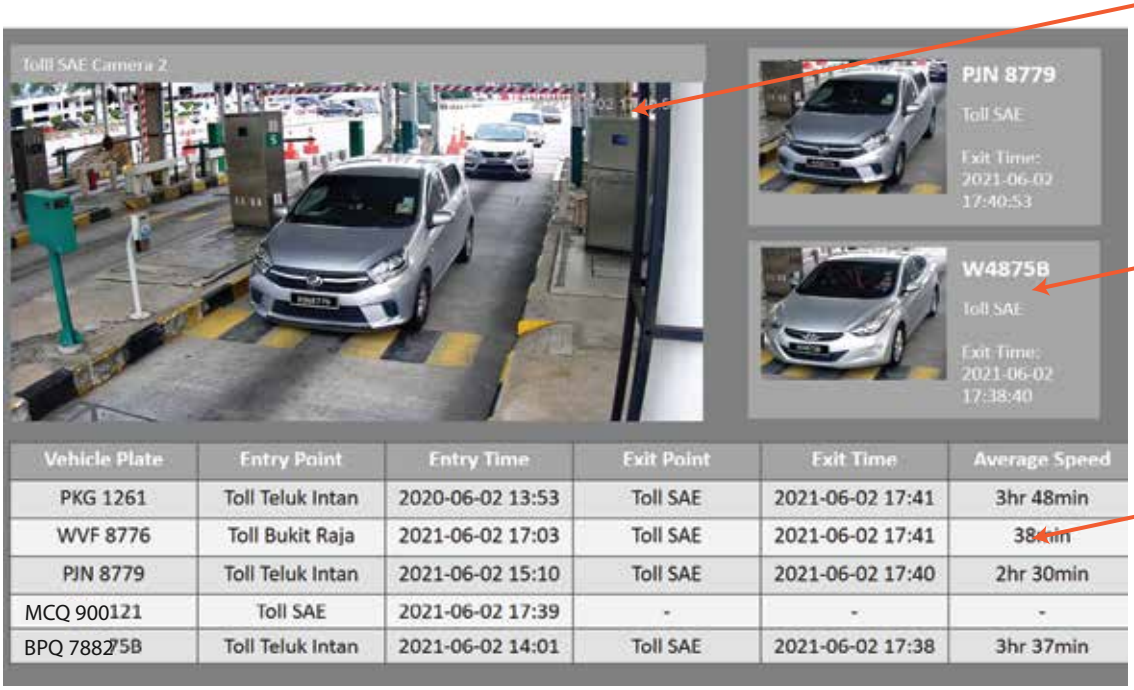
Vehicle Speed Detection

Track speed of every passing vehicle and capture their respective number plates that does not adhere to road speed limit together with vehicle details

Short Distance Detection

Detect and identify vehicles that exceed designated speed limit at certain stretch of road, e.g housing area, high density township and accident prone area.

Optional Report Module



Vehicle Plate	Entry Point	Entry Time	Exit Point	Exit Time	Average Speed
PKG 1261	Toll Teluk Intan	2020-06-02 13:53	Toll SAE	2021-06-02 17:41	3hr 48min
WVF 8776	Toll Bukit Raja	2021-06-02 17:03	Toll SAE	2021-06-02 17:41	38min
PJN 8779	Toll Teluk Intan	2021-06-02 15:10	Toll SAE	2021-06-02 17:40	2hr 30min
MCQ 900121	Toll SAE	2021-06-02 17:39	-	-	-
BPQ 7882 75B	Toll Teluk Intan	2021-06-02 14:01	Toll SAE	2021-06-02 17:38	3hr 37min

Live video feed to monitor incidences

Image snapshot to verify or modify reading

Vehicle license plate sumary for quick overview

Benefits

Adaptive algorithm

Designed to perform in various harsh weather conditions, camera position and to read unique local car plates for higher precision and matching

High accuracy and efficient

Use a single camera to cover up to 4 lanes by detecting speed up to 120km/h with 99.8% accuracy.

Time tested performance

With 10 years of optimizing and improving the video algorithm, our LPR has proven itself at numerous sites internationally

Ready to integrate with SDE system

Our LPR gateway is provided to interface and communicate with various 3rd party systems in the highway environment to provide live data .

RECOGINE TECHNOLOGY

www.recogine.com

Smart and Secure Living for All

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