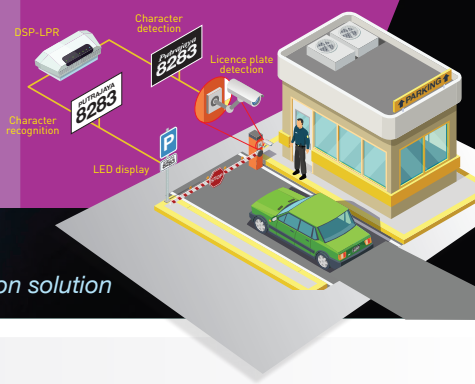
Mi-LPR

Licence Plate Recognition Platform

Mi-LPR is a scalable automated licence plate recognition platform that processes and analyses video input from surveillance systems. The platform can be integrated with existing vehicle management systems to provide real-time alerts and forensics capability to retrace events. Audit trails can be generated from records on vehicles entries and exits. It can provide instant checks on vehicle registration numbers against watch lists enabling authorities to intercept vehicles for inspection.



Mi-LPR vehicle identification solution

Overview

Mi-LPR is a smart solution for vehicle identification will serve as an effective asset protection mechanism. With real-time alerts and forensic capabilities, Mi-LPR can provide long-term added-value to existing vehicle management systems such as those used by enforcement authorities, car parks, toll plazas, industrial plant checkpoints, petrol stations and gated residential access control.

Features

Mi-LPR offers intelligent features that enable thorough and efficient management of vehicle access:

- **High Adaptability and Irregular Plate Detection**
  Mi-LPR platform is capable of operation in various environments and lighting conditions. It can recognise complex, irregular or fancy number plates that are non-compliant with motor vehicle authority guidelines.

- **AI Noise Filtration/Recognition and Self-Learning**
  Proprietary AI techniques filter out noises and increases the recognition accuracy level, thereby reducing processing time. Self-learning ability memorises noise features and provides feedback to the detection module for added noise-filtering reference.

- **Novel Image Processing Algorithms and International Compliance**
  Robust and scalable platform for high clarity and enhanced image even for hard-to-capture plates. Mi-LPR recognises international Unicode characters and numbers.

- **Forensic Capabilities and Configuration Friendly**
  Mi-LPR provides a chronological event list to enable quick checks on recent events and further enable forensic search and retrieval of the events. It also enables operation on LAN/Cloud and various machine specifications.

Technology Benefits

The main impacts of Mi-LPR are:

- **Integration with Third Party Clients**
  Mi-LPR provides a standard interface to enable easy integration with third party clients.

- **Hardware Agnostic**
  Hardware independence allows integration with different cameras and IO controllers.

- **Minimal Non-Recognition of Number Plates**
  Mi-LPR's intelligent engine minimises non-recognition of complex and foreign number plates.

- **Zero Human Intervention**
  AI-assisted video analytics enable fast recognition without human intervention.

- **High Hardware Adaptability**
  High hardware adaptability allows operation on CPU-only machines or a machine with Intel or NVIDIA GPUs.

- **Future Ready**
  Mi-LPR can be enabled to incorporate other vehicle properties as second and third authentication factors for vehicle identification and adapted for mobility and edge platforms.

Applications

High Security Areas, Industrial Parks, Residential Areas, Toll Plazas.

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