Mi-PlateIQ

Smart License Plate Recognition for Automated Access

Mi-PlateIQ is an AI-powered vehicle access management solution that combines advanced plate recognition, real-time multi-stream processing, and seamless integration with VMS and access control systems. Its modular, GPU-accelerated architecture ensures scalability, rapid deployment, and future-ready features such as predictive analytics and smart mobility.

Technology Overview

Mi-PlateIQ is an advanced vehicle license plate recognition (ALPR/ANPR) system that automates the capture, recognition, and management of vehicle plate information. Using AI-powered video analytics, Mi-PlateIQ ensures accurate and real-time identification of vehicles, enabling seamless integration with access control systems, boom gates, and parking management solutions. Designed for reliability and scalability, it supports diverse deployment environments including parking facilities, gated communities, and enterprise campuses.
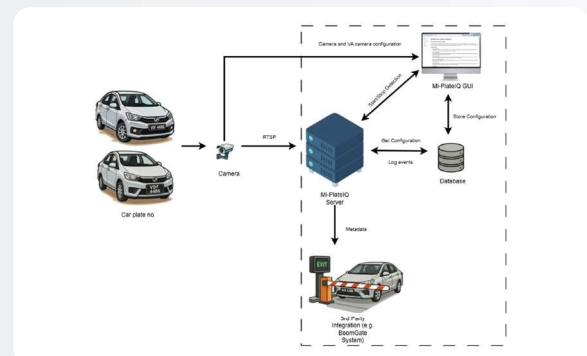
Technology Benefits

- Enhanced Security: Prevents unauthorised vehicle access through AI-driven recognition.
- Operational Efficiency: Reduces reliance on manual checks and speeds up vehicle throughput.
- Accuracy & Reliability: High recognition rates with real-time performance across multiple cameras.
- Scalable Solution: Supports from small sites to enterprise-level deployments with clustering options.
- Compliance & Auditability: Digital logs provide traceability for regulatory or security audits.

Key Features

- Real-Time Plate Recognition: Captures and processes license plates instantly from camera streams.
- Vehicle & Model Detection: Identifies vehicles and recognises car models alongside plate numbers (trained with more than 40 car models).
- Automated Event Logging: Records entry/exit events with snapshots, timestamps, and metadata.
- Whitelist/Blacklist Management: Customisable rules to allow or restrict vehicle access.
- Seamless Integration: Supports REST APIs and webhooks for third-party systems such as boom gates or parking software.

Applications

- Parking Facilities: Automate entry/exit and improve traffic flow.
- Gated Communities: Strengthen security with controlled vehicle access.
- Logistics Hubs: Monitor fleet movements and enforce access policies.
- Enterprise & Government Campuses: Secure high-value facilities with smart vehicle access control.

Mi-PlateIQ Workflow

Real-Time Vehicle and License Plate Recognition

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