Reliable Number Plate Recognition for Toll Plaza Operations

ANPR Toll Solution



ANPR Toll Solution by Vaaan Tech Systems and Infra Solutions delivers ***cost-effective, customizable vehicle recognition with easy integration and day-night operation.***

ANPR Toll Solution by Vaaan Tech Systems and Infra Solutions is an edge AI solution that captures vehicle number plates at toll plazas and uses optical character recognition (OCR) to identify vehicle registration numbers in real time. The solution can be deployed in any toll lane and integrated with third-party tolling, traffic management and back-office systems through standard interfaces.

In addition to OCR results, it captures front-view vehicle images to support transaction verification, auditing and enforcement workflows. Intel® Core™ Ultra processors, the OpenVINO™ toolkit and DL Streamer help enable efficient video processing and AI-based number plate recognition at the edge, supporting reliable toll operations.

Key Intel-Enabled Features

- Fast Edge Inference
- Low-Latency AI
- Edge Performance
- Vehicle Identification

- Intel® Core™ Ultra processors support responsive edge AI for ANPR workloads.
- OpenVINO™ toolkit accelerates license plate recognition across Intel® hardware.
- DL Streamer optimizes video pipelines for efficient multi-camera processing.
- Intel® Graphics accelerates video analytics without requiring discrete GPUs.

By leveraging Intel® technologies, ANPR Toll Solution by Vaaan Tech Systems and Infra Solutions helps automate vehicle identification for efficient toll collection and roadway surveillance.

Ordering Guidance:

- Contact Us

Country/Geo: India

Edge Verticals: Smart Cities & Transportation

Edge Use Cases: Smart Parking & Tolling

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- Vaaan Tech Systems and Infra Solutions

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Intel® AI Edge Applications

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