



**300+**  
installation in cities &  
highways

**650+**  
lanes monitored  
per day

**3,00,000+**  
license plates  
scanned per day

## Automatic Number Plate Recognition **(ANPR)**

An Automatic Number Plate Recognition (ANPR) system brings a powerful and cost-effective method of monitoring vehicle movements across a broad range of applications. With its usage ranging from monitoring traffic activities such as red light adherence and speed enforcement, detection of theft, electronic toll collection to various other traffic enforcement applications, ANPR is a technology driven by how well it ensures the continued safety of all road users.

EFKON's Automatic Number Plate Recognition (ANPR) system is based on artificial intelligence, providing a robust and ready-to-integrate system, capturing diverse types of license plates. Our systems installed at locations across India are capable of identifying, and capturing license plates of more than 3,00,000 vehicles daily, forwarding information to the central control room for further processing. This helps in providing assistance to the enforcement of the law as well as ensuring safety. Our ANPR is also capable of detecting hot-listed, stolen, and wanted vehicles.

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## How the ANPR system works

The operation of ANPR system can be broadly divided into three main steps:



Capture images of the license plate through a camera



Optical Character Recognition (OCR) extracts the number of the vehicle from captured images



Decoded text is forwarded to the central control room for checking the license plate against vehicle database, to take appropriate actions

Our award-winning ANPR system can be applied across:

**HIGHWAY TRAFFIC MANAGEMENT SYSTEMS (HTMS)**

**INTELLIGENT TRAFFIC MANAGEMENT SYSTEMS (ITMS)**

**ELECTRONIC ENFORCEMENT SYSTEMS (EES)**

**TOLL MANAGEMENT SYSTEMS (TMS)**

## Key Features

- Traffic conditions – free-flow and stop-and-go
- Single ANPR camera covering single lane
- Capable of detecting:
  - Standard and non-standard license plates
  - Commercial and non-commercial license plates
  - Front and rear of the license plates
  - Two-line license plates
- Fully customized reporting system, to meet unique business requirements

## Advantage of using EFKON's ANPR system



Vehicle License Plate detection accuracy ~97%



Artificial Intelligence



Real-time data transfer



Easy to integrate



Well-trained system

## Why EFKON?

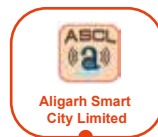
18 years of domain expertise and seasoned cross-functional teams

Strong presence in the growth markets (highways and smart cities)

End-to-end traffic management system products

Track record of award-winning successful project executions

## Our key clients include



### EFKON – A Global Leader in Intelligent Traffic Management Systems

EFKON India is a pioneer in bringing innovative products for Intelligent Traffic Management system in India since 2001. It is a wholly-owned subsidiary of STRABAG, a leading infrastructure company with revenue of € 15.67 Billion (2019). EFKON India help clients with end-to-end solutions for:

- Advanced Traffic Management System for Smart Highways and Smart Cities
- Intelligent Revenue Collection and Assurance Systems for Smart Highways and Smart Cities
- Intelligent Transport Management Systems for Logistics and Fleet Operations

For more information, please visit [www.efkonindia.com](http://www.efkonindia.com).



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