



## Video Analytics (VA)



Video Analytics (VA) strengthens the traffic management systems for improved security by using metadata. The purpose of a surveillance video-based system designed for traffic analytics is to detect, track, and analyze vehicle patterns and behavior concerning abnormal event prediction and detection on the roads.

The rapid growth in the area of Internet of Things (IoT), big data, and analytics has drastically changed the Intelligent Transportation System (ITS) over the years. There has been an increase in the rising concerns for proper traffic management due to traffic congestion, road accidents, potential threats, excessive pollution levels, etc. Smart solutions like VA help cater to such problems and assist cities, pedestrians, and officials in addressing these growing concerns.


EFKON India's **VA** is a reliable video analytics designed for effective highway management and city surveillance to detect, track, and analyze moving or stationary objects. Our VA based vehicle detector captures real-time traffic information on road occupancy, queue length, vehicle density, count, and class.

EFKON plays a leadership role in Artificial Intelligence (AI) and Internet-of-Things (IoT) applications in the domain of Intelligent Video Analytics (IVA). With the growing application of IVA in Smart Cities infrastructure, we are making herculean efforts to integrate our expertise in IVA domain with the existing applications.

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Our system helps capture real-time incidents via alarms in the control room, allowing a quick response. It can easily capture events such as:

- **Vehicle incidents** including local incidents related to specific vehicles for stalled, reverse moving, under-speeding, and over-speeding vehicles
- **Traffic incidents** including global incidents related to traffic flow for normal, congestion, dense, queue, and stop-n-go
- **Weather incidents** including normal, smoke, and fog
- **Surveillance incidents** including pedestrian, crowd, improper parking, fallen objects, camera tampering, loitering, intrusion, motion, and attribute-based search

## Key features

- Based on real-time information
- Captures data on road occupancy, queue length, and vehicle density
- Capability to count and classify vehicles
- Suitable with third-party applications
- Easily to maintain and troubleshoot
- Detects five categories of incidents via alarms in the control room
- Tracks and analyze moving and stationary objects



## Advantage of using EFKON's Video Analytics



Provides better insights on queue length



Post-incident analysis in the video feed



Helps in better decision making



Effectively aid traffic management and parking-related issues



Effective surveillance for better safety and security



Incident detection helps in taking precautionary measures



Based on the latest technology with in-house expertise

## Why EFKON?

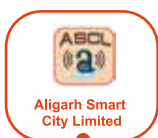
19 years of domain expertise and seasoned cross-functional teams

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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