



## Video Incident Detection System (VIDS)

An efficient traffic management system depends on how fast incidents are detected, verified, and resolved. Video analysis is a well-established technology for traffic incident monitoring. Through real-time analysis of camera images, a wide variety of incidents can be detected and lives can be saved. Video Incident Detection Systems (VIDS) consists of a network of cameras that automatically detect events and ensure appropriate responses.

### Overview

EFKON's Video Incident Detection System (VIDS) provides accurate and reliable vehicle tracking and automatic incident detection for highways and expressways. The system helps providing safety on highways and generate e-Challans for violators on roads. To make our roads safer and ensuring a smooth traffic flow, our VIDS can detect:

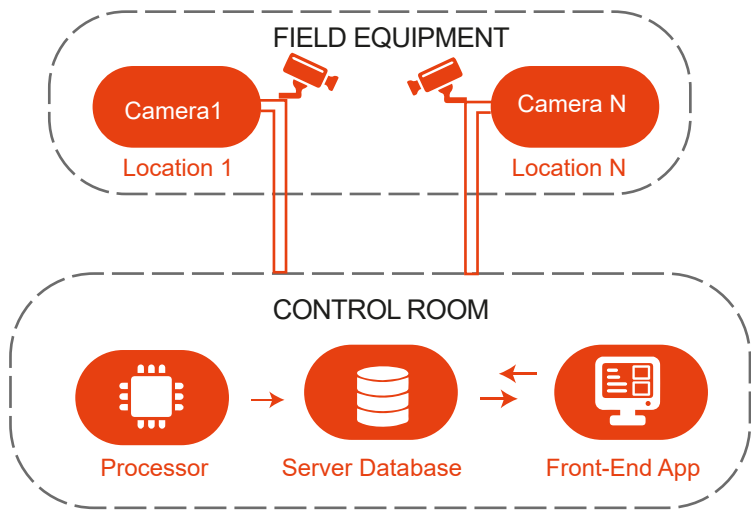
- Stalled/stopped vehicles
- Vehicles coming from the opposite direction,
- Pedestrian crossing,
- Over speeding and under speeding
- Crowd gathering
- Weather status like normal conditions, smoke or fog
- Acceleration/deacceleration
- Traffic status like congestion, dense, delay, stop and go, normal, etc.
- No helmets and triple riding

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## How the VIDS system works?

The VIDS cameras mounted on highway structures monitors the respective stretch. Dedicated algorithms monitoring the video signals turn the traffic data into actionable business intelligence. This traffic data is transmitted continuously to the technical control room, unusual activity detected by the system is validated and confirmed, to take required action depending upon the incident type.

## Key Features

- Monitor traffic density and alert road users
- Automatic detection of traffic flow, congestion, and density
- Easy integration with systems for automatic challan generation (for most violations)
- Alert concerned authorities (police, ambulance, road clearing services, etc.) for immediate actions
- Maximum number of lanes covered – 4



## Advantage of using EFKON's VIDS system



High accuracy of violation detection ~ 95%



Low installation cost, hence, highly cost-effective



Efficient and reliable



24X7 real-time intelligent monitoring of road



Faster response time to accidents thereby reducing fatalities

## 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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