


VID

Vehicle Incident Detector

Smart and Secure Living for All

VID



A vision-based technology to detect the presence and movement of vehicles on roads, highways, parking lots, or other traffic areas.

An important component of intelligent transportation systems (ITS) that helps manage traffic flow, enhance safety, and improve transportation efficiency.



What is Vehicle Incident Detector?

A **Vehicle Incident Detector (VID)** is a system that uses sensors and algorithms to detect incidents, such as accidents or collisions, involving vehicles. It can alert emergency services, such as police or ambulance, and help reduce response times, increase safety, and improve traffic management.

Key Features

1

Advanced Sensors

The system is equipped with a range of advanced sensors that can detect a wide range of incidents, including collisions, rollovers, and road departures.



2

Real-time Monitoring

The software constantly monitors the vehicle's movements and can detect incidents in real-time, providing an immediate response to potential dangers.



3

Customizable Alerts

The system allows drivers to customize the alerts they receive, so they are only notified of incidents that are relevant to their driving style and preferences.



4

User-friendly Interface

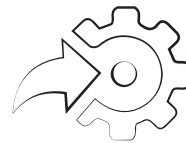
The software has a user-friendly interface that is easy to navigate, allowing drivers to quickly understand and respond to incidents.



5

Integration with Other Systems

The Vehicle Incident Detector System can be integrated with other vehicle systems, such as navigation, entertainment, and telematics systems, providing a seamless experience for drivers.



How Will VID Help Your Organization?

1

IMPROVED FLEET MANAGEMENT

Our system can provide data on the behavior of drivers, enabling fleet managers to identify areas for improvement in driver behavior and take steps to improve driver safety.



2

REDUCED LIABILITY

Our Vehicle Incident Detector System can help to reduce the liability of the operator in the event of an incident by providing a detailed record of the incident and the vehicle's behavior leading up to the incident.



3

ENHANCED PRODUCTIVITY

The system can be integrated with other vehicle systems, reducing the need for manual input and freeing up drivers to focus on driving.



4

COST SAVINGS

By detecting incidents before they occur, the system helps to reduce the cost of repairs and insurance claims, saving drivers money in the long run.



VID Elements



Reliable Detection



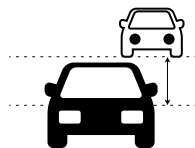
Vehicle Counting



Stopped Vehicle Detection



Real-time Performance



Headway Estimation



Vehicle Average Speed Estimation

Processor

Detecting vehicle incidents and traffic conditions suitable for application with network bandwidth & real-time data processing constraints.



Model	VT-EX1
Ambient Operating Temperature	0°C to 50°C
Operating Humidity	10% to 90% (non condensing)
Detection Zone (perchannel)	2
Number of Channels	1
Virtual Loop (Vehicle Detection)	Yes

Detecting vehicle incidents and traffic conditions suitable for highway & urban traffic monitoring application.



Model	VT-C1	VT-C5	VT-C10
Ambient Operating Temperature	0°C to 35°C	0°C to 35°C	0°C to 35°C
Operating Humidity	10% to 90% (non condensing)	10% to 90% (non condensing)	10% to 90% (non condensing)
Detection Zone (perchannel)	2	2	2
Number of Channels	1	5	10
Virtual Loop (Vehicle Detection)	Yes	Yes	Yes

Camera

VID specific camera product which is designed and built to fit different use cases of VID application.



Model	VT-SR60	VT-SR120
Video Stream	H.264 compression, up to 1080p 30fps	H.264 compression, up to 1080p 30fps
Operating Temperature	-20°C to 60°C	-10°C to 50°C
Max Vehicle Speed	60 km/h	120 km/h

Use Cases



Traffic Monitoring



Vehicle Congestion



Accidents Detection



Parking Management



Toll collection



Border control



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