

# WHAT IS VIDEO TELEMATICS? HOW DOES IT WORK?

Events like overspeeding, lane changing, and harsh braking would not only cause traffic violations but also put driver's and fleet safety at risk.

[Video telematics software solutions](#) are emerging as powerful technology solutions for businesses concerned about driver and consignment safety. These solutions as a part of vehicle tracking systems help gauge driver behaviour and performance through every turn and twist.

Let's learn what a video telematic system is, how it works, and why it's worthy of investment.

## What are Video Telematics Systems?

A video telematics system is a comprehensive system that uses sensors and dash cameras to get real-time visibility into a driver's behavior or attentiveness. Sensors when added to the vehicle help detect driving patterns like speeding, harsh acceleration, aggressive braking, idle time, etc.

Simply put, a video telematics system is a combination of video data, computer vision technology, and vehicle data that helps provide visual and data-driven driver insights. Such solutions from renowned video telematics companies form a great foundation for driver safety and risk management programs.

*Video telematics further divided as DMS and ADAS help meet overall fleet and asset safety by keeping road rage, costs, and customer satisfaction in check.*

## What is DMS & ADAS?

DMS ([driver management system](#)) technology involves installation of a dash cam in the cabin to record all drive time and retain complete footage of driving events. It helps record driver's ill practices like — getting their hands off the steering wheel for long, sleeping, frequently smoking, intentionally blocking cameras, etc.

Whereas, ADAS ([advanced driver assistance system](#)) technology uses sensors, cameras, and radar to accurately track the vehicle's surroundings to detect any collision or cornering patterns while driving.

## How Do Video Telematics Systems Work? The Real Science!

Video telematics helps integrate video technology through dashboard cameras with [GPS trackers](#) or sensors to get real-time footage of driving events and vehicle conditions on the

road. This collected data through sensors and cameras is transmitted to the vehicle monitoring system. It is further analyzed and used to assess driver behavior to foster safe fleet operations.

## Why Invest in Video Telematics Solutions with DMS and ADAS?

*Here are the only reasons why you must contact video telematics companies to onboard the best tracking solutions.*

### 1. Sureshot Fleet, Driver & Consignment Safety

The real-time analytics and visual evidence from video telematics solutions help ensure the safety of the fleet, drivers, and goods in transit. The software helps keep tabs on vehicle health, driving behaviour, external threats, and consignment status in real time. If any threat is detected, the fleet managers get alerts to take timely corrective actions.

### 2. Safe Driver Behaviour

The **vehicle tracking software** in force with video telematics provides real-time movement and visuals from in and out of the vehicle to spot any anomalies during the commute. Every event resulting from the driver's ill driving practice or negligence is easily reported to the fleet manager's dashboard.

Managers based on received practices can group drivers according to their problem areas and create a training program to cultivate good driving habits.

### 3. Reduced Risk of Road Accidents

Studies have shown that almost 10% of crashes result from drivers distracting too much while driving. Video telematics can help spot drivers who are perpetually distracted from the staring. This can help place timely investigations and work towards solutions to avoid accidental risks.

**Read Blog: [Video Telematics: The Future of Commercial Fleet Management Software](#)**

### 4. Reduced Costs and Liabilities

Video telematics systems, believe it or not, help cut back on unnecessary losses, liabilities, and possibly jail time. The video telematics solutions help assess and treat patterns that are causing overconsumption of fuel. It also helps collect video proof during accidents to claim insurance. More than making it easy to claim insurance, it protects fleet operators against pressing legal charges.

## 5. Driver Training & Coaching

The recorded real-time proofs help provide feedback to the drivers. Managers based on that can create a coaching program to look through the gaps and instill good driving practices in their mobile workforce. They can use video footage to highlight the driver's wrong behaviour and patterns.

## 6. Improved Customer Satisfaction

When customers know their goods are in responsible hands, they feel more secure and connected with the businesses. The video telematics system helps customers get recorded clips of consignment vehicles meeting any unforeseen accident or emergency.

This recorded clip can act as great evidence to find the real behind-the-scenes of such events — to find who is at fault. This further helps inculcate more customer trust.

## Conclusion

Video telematics solutions as a subset of [vehicle tracking systems](#), provide driver performance and vehicle analytics through data and video proofs. This advanced technology offered by video telematics companies enables thorough performance evaluation to optimize fleet management for an efficient and secure driving experience.

*Having hands-on customised video telematics software services is the best option to monitor and safeguard mobile assets.*