geoforce

DASHCAM

**IT'S NOT JUST A CAMERA.
IT'S AN INSTANT AI-ENABLED
VIDEO UPGRADE.**

GEOFORCE VIDEO TELEMATICS SOLUTION

Our dashcam driver safety solution is powered by an easy-to-install video telematics device connected to the cloud.

Innovative, class leading technologies – Machine Vision and Artificial Intelligence.

How does the technology work for you?

Machine Vision refers to a technology's ability to see and recognize objects within an image or video.

The formula of rules the technology uses, known as an Algorithm, is shown millions of curated images and videos to "teach" the algorithm to recognize the content of the image. Facial recognition to unlock your mobile phone is an excellent example of Machine Vision commonly used today.

Artificial Intelligence is the technology's ability to perform a task that normally requires human intelligence.

To do this, AI algorithms consume enormous amounts of information and are programmed with rules on how to use the information, in this case over 250 billion Kilometers of curated, tagged and behavior-identified video.

As AI computer algorithms acquire more data, they learn from the new information allowing the AI algorithm to become increasingly accurate over time, we achieve >95% accuracy in these behaviors.

This "Machine Learning" function allows the AI algorithm to distinguish between such things as recognising that a driver making a full stop at a stop sign is not risky, versus a driver rolling through a stop sign being significantly riskier.

Dashcam Capabilities Include:

High-quality video technology provides driver data insights.

Innovative MV+AI and infrared (IR) night vision presents insight into risky driving behaviour across fleets, and alerts distracted or fatigued drivers in real time.

Video events are captured based on built-in sensors and critical events triggered via the Geotab rules engine.

Seamless integration into the MyGeotab UI, with an auto-up.

ADDITIONAL BENEFITS:

REAL-TIME DRIVER TRAINING

- Auto-detects distracted and unsafe driving and delivers an audio warning, signalling drivers to correct behavior in real time.
- Driving data and video can be used for driver safety training.
- Proactive risk-detection can help fleets see a reduction in collisions and claims costs.

VIDEO EVIDENCE

- Video provides a complete picture of driver behaviour and activity.
- Video can be used when managing accident investigations to exonerate drivers, support disputes, and resolve claims.

INSTANT ACCESS TO VEHICLES

- Optimize fleet efficiency and customer service by tracking arrival/departure times, idling, geofence, and point-by-point driver route from the map interface.

SPECIFICATIONS:

REAL-TIME DRIVER TRAINING

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OTHER KEY FEATURES:

DISTRACTED DRIVER MONITORING

- Our dashcam with integrated artificial intelligence (AI) identifies distracted, drowsy, and unsafe driving behaviors such as sudden acceleration, sharp turns, and harsh braking.
- The driver receives two warnings to correct behavior before a ten-second video is recorded and sent to the cloud for management to review.

LIVE VIEW

- Use the dashboard to track vehicles in real time, and view live video streaming from the dual road facing and cabin-facing cameras.

ACTIVE STANDBY

- The camera's parking mode will stay in hibernation for up to 8 hours.
- The built-in battery automatically turns the dashcam on whenever risk or a collision is detected.

WI-FI

- The dashcam can serve as a Wi-Fi hotspot* for connectivity to other applications running on IoT devices.
- Up to 4 auxiliary cameras can be connected through the built-in hotspot for 360-degree view of operations.

VIDEO SOLUTION:

Powered by industry-leading machine vision and artificial intelligence, our advanced camera technology automatically helps detect and alert distracted driver behaviour and harsh driving incidents in real-time, addressing the leading causes of preventable accidents.