

GEOFORCE SURFSIGHT SOLUTION

It's not just a dashcam. It's an instant Geotab video upgrade.

The Surfsight AI-12 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 recognise 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 recognise 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 Kilometres of curated, tagged and behaviour-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 behaviours.

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.

Surfsight Capabilities Include:

High-quality video technology provides driver data insights.

Innovative MV+AI and infrared (IR) night vision presents insight into risky driving behavior 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-upload of Geotab rules-based events and use of Geotab's permissions and access control settings.

GEOFORCE SURFSIGHT SOLUTION (CONTINUED)

ADDITIONAL BENEFITS:

Real-Time Driver Training

- Auto-detects distracted and unsafe driving and delivers an audio warning, signalling drivers to correct behaviour 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.

OTHER FEATURES:

- The 'standby mode' feature will add additional security for incidents around the vehicle when driver is away (someone aggressively trying to push or access the vehicle/climbing in to the cargo area, rear fender nudge when parked scenarios etc.), as well as in the event of a 'hijacking,' the instant start up on movement of the vehicle will provide 'trigger events' based on accelerometers, so a video will be recorded and uploaded to the system in near real time. Users can easily see all harsh acceleration events in 'MyGeotab' and see if it is a non-employee. **IMPORTANT NOTE:** Standby mode will ONLY activate the main dash camera and does not trigger the Auxiliary cameras in the cargo bay of the van.
- Plus, with the rule's engine setting any 'trip > 30, 40 or 45 mins' can be flagged to operations.
- Operations then log into My Geotab, click on trip, select a point on the trail and request upload of video. You get the selected vision and can extend the clip to a few minutes if needed.
- Additional optional (with applicable agreement and configuration in place) – users can dial into the device at any time and see both front view and in-cab activity. Please note that this additional safety option would possibly increase the data consumption on your MBM SIM plans.

GEOFORCE SURFSIGHT SOLUTION (CONTINUED)

OTHER KEY FEATURES:

Distracted Driver Monitoring

- Surfsight's AI-12 dashcam with integrated artificial intelligence (AI) identifies distracted, drowsy, and unsafe driving behaviours such as sudden acceleration, sharp turns, and harsh braking.
- The driver receives two warnings to correct behaviour before a ten-second video is recorded and sent to the cloud for management to review.

Live View

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

Active Standby

- Surfsight'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 AI-12 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.

SPECIFICATIONS:

Connectivity

- 4G connectivity.

128 GB Commercial SD Card

- Continuously record up to 80 hours of video, as well as each of the auxiliary cameras. (256 & 512GB Cards are under testing for extend hours of 160 & 300+ duration for longer operational requirements).

VIDEO SOLUTION:

Powered by industry-leading machine vision and artificial intelligence, Surfsight AI-12 camera technology automatically helps detect and alert distracted driver behaviour and harsh driving incidents in real-time, addressing the leading causes of preventable accidents.

Cloud connected - AI powered

Augment the Geotab solutions with video based behavioural triggers.