Vision AI
General FAQs

Q1 Why should I get AI-Enabled cameras for my fleet?

Traditional dash camera systems merely capture video footage of what's happening on the road and in the vehicle for future viewing by a human. However, humans have to go through lots of video footage to find what they are looking for and then act on it after-the-fact.

Dash camera systems that use Artificial Intelligence (in the form of machine vision) understand what is happening in real-time, without human input. Thus, they not only provide the video footage, but they also create the "event" data that is used to direct the driver to change their behavior immediately and to also precisely direct driver managers as to what is important to look at.

By channeling relevant information directly to drivers in real-time and driver managers after-the-fact, AI-enabled dash cameras offer a much more effective and efficient way of improving and maintaining safe and fuel-efficient driving standards.

Q2 Can I choose which risky driving behaviors to monitor?

All transport fleets are different and have different problems, needs, and constraints. As the fleet manager, you can choose which risky driving behavior events you want to monitor. The road-facing camera can detect unsignaled lane changes, unsafe following distance, and alert on imminent forward collision.

The driver-facing camera can detect fatigue, distraction, mobile phone use, not wearing a seatbelt, and smoking.

The fleet manager can request that certain events are disabled if they are not needed. In our experience with customers' implementation of driver monitoring solutions, some customers prefer to start with a simple configuration and let that bed-in and be accepted by drivers before turning on additional features. MiX Vision AI also allows for this approach.

Note that in addition to the risky driving behaviors detected by MiX Vision AI, there are also poor driving performance behaviors that are detected by the MiX Onboard Computer such as speeding, harsh braking, harsh acceleration, and harsh cornering.

Q3 How do I view footage?

You can view MiX Vision AI video footage (alongside asset information) in MiX Fleet Manager under 'Live tracking', 'Historical tracking', 'Trip timeline', or in the Info Hub.

Video footage for each detected event is automatically downloaded from the vehicle in 8-second segments for each event. The manager can also make a Video on Demand request for a 2-minute 30-second segment of footage if they want to see more activities leading up to and after a specific event, or even when no event was detected. This is useful for collision reconstruction and insurance claims.

Driver managers can also look out for video footage of risky driving behaviors in the MiX Mobile app. Drivers have access to the MyMiX driver engagement app to view their scores, trips, events, and video footage.

Q4 What are the main benefits of Vision AI cameras?

Monitors risky driving behavior in real-time to improve fleet safety.

Offers a more effective and efficient driver performance management tool to improve safe and fuel-efficient driving.

Protects drivers and the company against false insurance claims.

Video footage can be used to analyze accidents after the fact to determine the cause and prevent future incidents from occurring.

Fleet Compliances help keep your fleet healthy and safe

Q5 How can I engage drivers with Vision AI technology?

Vision AI cameras are designed to be unobtrusive when installed so as to not distract the driver from doing their job. The cameras automatically start recording when the vehicle ignition is switched on, meaning the driver does not have to do anything to activate it.

Drivers are engaged in real-time through the AI Driving Coach, which is mounted on the vehicle dashboard. This tool delivers real-time visual and audible alerts that trigger when a driver triggers a risky driving behavior event.

Drivers are also engaged, after-the-fact, using the MyMiX driver engagement app. Using the app, a driver can view their driver score and see the video footage for their risky driving behaviors. This creates an awareness that is the start of the process for improving safe and fuel-efficient driving performance.

By providing the video footage and associated event data to both drivers and driver managers in an easy-to-view way, the driver performance management process is made much more effective and efficient.

Q6 Why choose Vision AI cameras?

Vision AI is a camera system that uses Artificial Intelligence to deliver Advanced Driving Assistance (ADAS) capabilities. Vision AI can detect risky driving behavior including mobile phone use, fatigue, distraction, not wearing a seatbelt, smoking, unsignaled lane departure, unsafe following distance and warn of an imminent forward collision.

The instant risky driving behavior is detected, the driver is alerted through an audible or visual alert (or both) that they need to correct their behavior before it escalates into a collision. This primary, real-time intervention significantly reduces the amount of risky driving behavior in a fleet.

Addressing risky driving behavior is the key to holistically managing driver performance, as it results in poor safety outcomes including collisions and inefficient fuel use.

Vision AI's risky driving behavior events and associated video footage are available for driver managers in the Fleet Manager portal and on the Mobile app.

Furthermore, a driver can use the MyMiX driver engagement app to view their driver score and see the video footage of their risky driving behavior. This creates an awareness that is the start of the process of improving safe and fuel-efficient driving performance.

By providing the video footage and associated event data to both drivers and driver managers in an easy-to-view way, the driver performance management process is made much more effective and efficient.