SmartDrive

SmartDrive for ADAS

Avoid collisions in real-time and realize immediate ROI

Following too closely is one of the main causes of rear-end collision. In fact, 23% of all motor vehicle crashes are rear-end accidents (NHTSA). And 60% of road fatalities are due to unintentional lane departure.* That's why it's more important than ever to solve these problems – and others – before they occur.

Designed to identify and combat some of the most dangerous driving risks, and intervene with drivers before a collision occurs, SmartDrive for ADAS (Advanced Driver Assistance System) uses a computer vision-enhanced camera to enable real-time driver risk mitigation for short following, forward collision, lane departure and speeding.

Helping you avoid collisions in real-time

More than just a dash cam, SmartDrive for ADAS provides in-cab alerts triggered by SmartDrive's CV-enhanced camera to help BCOs avoid collisions in real-time. And, because of these progressive audio and visual alerts – delivered based on moderate and severe identified risk – BCOs can engage in self-awareness and, ultimately, experience a reduction in collisions.

Extending the power of computer vision

Combining CV-enabled in-cab audio and visual alerts – with human review of event video – ensures that you have a proven safety program that will protect you as a BCO.

With the added power of our managed service, event video is off-loaded in near real-time, analyzed and prioritized by our team of experts so that you can easily see the cause of ADAS alerts and review them in your personal safety profile. This combination of computer vision, realtime video and a managed service helps provide you with the tools you need to protect and exonerate you, as a BCO, and improve overall driver performance.

Time-tested innovation that provides immediate in-cab feedback

Built on 15 years of innovation and machine learning, SmartDrive for ADAS helps BCOs better understand the root cause of collisions – and near collisions – so you can correct them. Video and data are delivered in real-time, progressive alerts to avoid distracted driving, short following, and unsafe lane departures. With the in-cab driver feedback device you'll know when:

ADAS-capable sensor camera

CV-based vehicle & lane detection

Real-time driver feedback & self-coaching

Insight into root causes of in-cab alerts

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Empowering BCOs to better understand their driving environment

At the center of SmartDrive for ADAS is the purpose-built Driver Feedback Device. Mounted on the dash, this small, inobtrusive tool provides progressive audio and visual alerts delivered based on moderate and severe identified risk. BCOs can engage in self-awareness and, ultimately, experience a reduction in collisions. By being more aware, BCOs can be continually more attentive to their surroundings and work toward eliminating risky driving maneuvers – ensuring safe driving remains an immediate priority.

SmartDrive's open platform also integrates with the industry's leading, and proven, providers of active safety systems. BCOs can operate existing ADAS investments, as well as SmartDrive for ADAS, from a single platform and pair them with a video-based safety program to get deeper insights into root cause of risk.

To learn more about the SmartDrive suite, visit SmartDrive.net

1 Forward collision alert
Rear-end crashes are one of the most common types of collisions. SmartDrive for ADAS sends a visual and audio alert when it detects an imminent collision with a vehicle or motorcycle ahead, reducing rear-end collisions throughout your fleet.

2 Short following alert
Because SmartDrive for ADAS monitors the distance (measured in seconds) from the vehicle ahead, it notifies BCOs with audio and visual alerts so you can immediately reduce your following distance and the likelihood of a rear-end collision.

3 Lane departure alert
Accidents caused by inadvertent lane departures are generally very serious because they often result in collisions with oncoming traffic or roadside obstacles at very high speeds. Get peace of mind with visual and audio alerts that remind you to stay in your lane.

4 Speeding alert
Get real-time visual and audio alerts when your vehicle's speed exceeds the posted speed limit or fleet-specified threshold.

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