



NEWS RELEASE

Xperi Launches Revolutionary Single Camera Solution for Driver and Occupancy Monitoring

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New solution, featured at CES 2022, enhances driver and occupancy sensing functionality with a single camera, lowering system costs while offering critical safety capabilities

LAS VEGAS--(BUSINESS WIRE)-- **DTS**, a global leader in developing extraordinary next-generation audio, imaging and sensing technology and a wholly owned subsidiary of Xperi Holding Corporation (NASDAQ: XPER) ("Xperi"), announced today, at CES 2022, the launch of its revolutionary single camera DTS AutoSense driver and occupancy monitoring solution.

The new solution enables enhanced driver and occupancy sensing functionality with a single camera, all while lowering system level integration, calibration and installation costs. Xperi will demonstrate the DTS AutoSense single camera implementation with a live demo at CES at the Las Vegas Convention Center in Automotive Hall (West Hall), Booth 3831.

The launch comes at a time when distracted driving and vehicle safety concerns have spurred a series of actions globally to encourage automakers' implementation of driver and occupancy sensing systems, including the U.S. Infrastructure Investment and Jobs Act, the U.S. Hot Cars Act and the Euro NCAP.

"Road traffic crashes are a leading cause of death in the U.S. for people aged 1 to 54 and kill 1.35 million people globally each year,¹" said Jeff Jury, Xperi SVP and general manager, Connected Car. "So, it is not surprising that the importance of vehicle driver and occupancy sensing systems in preventing accidents has become a focus both in the US and abroad – and an increasing imperative for automakers. This is why our pioneering single camera technology is so significant: it provides automakers with a cost-effective, quality-centric, easy-to-integrate system that senses and understands the entire cabin."

Jury notes that most vehicles that offer driver sensing today use a camera focused solely on the driver but,

increasingly, the ability to sense the rest of the cabin and its occupants has become critical and an important safety requirement moving forward. Most other solutions need a second camera to focus on everything but the driver, with the potential for a complicated and onerous implementation. DTS AutoSense Single Camera Driver and Occupancy Monitoring solves this challenge with technology designed for a wide field-of-view (WFOV) camera.

DTS AutoSense Single Camera Driver and Occupancy Sensing:

- is regulatory compliant (Euro NCAP & GSR)
- supports a host of features such as visual distraction (attention zones), manual distraction, activity detection (eating, drinking, talking on the phone and texting), hands on steering wheel detection, seat occupancy, age classification (adult, child), body skeleton detection, hand detection, face recognition, object detection, pet detection, drowsiness and body pose classification
- can be positioned in CID or under the rear-view mirror
- dynamically self-calibrates with camera orientation
- increases UX functionality
- uses proprietary AI/ML technology to ensure the quality and reliability of drowsiness or attentiveness analytics
- understands driver state based on overall activity, rather than just on face and eyes analytics
- is deployed using edge computing, without a need for cloud connectivity, meaning it is designed to enable all data to remain within the vehicle

Recent data demonstrates not only the importance of vehicle safety to consumers and their interest in computer vision systems to help keep them safe on the road², but also a lack of confidence in the safety of self-driving vehicles – two-thirds of consumers surveyed do not currently trust self-driving technology.³

“As vehicle entertainment becomes more immersive, and the safety of all occupants becomes more crucial, switching from driver to full in-cabin sensing is the next logical step. Auto manufacturers are not only focused on ensuring vehicle safety, but also on enhancing the in-cabin experience and comfort,” continued Jury. “The pandemic has reinforced the importance of the personal vehicle and, increasingly, consumers are viewing it as a place of refuge and an extension of the office or living room.⁴ Our DTS AutoSense single camera sensing technology enables automakers to leap ahead and provide the safe and elevated in-cabin experience that consumers want.”

DTS AutoSense has received industry recognition and was named: a top safety pick in the 2020 CLEPA Innovation Awards; AutoTech Solution of the Year by the AutoTech Breakthrough Awards, and recently won the 2021 AutoSense Award for Most Innovative Application or Deployment of Computer Vision. Additionally, Xperi was named Frost & Sullivan’s 2021 North American Company of the Year, Connected Car Media Industry. Xperi was identified as one of the top 5 for DMS Market Share by 2026, as reported at EE Times.

DTS Connected Car is focused on transforming the automotive experience by bringing high-quality multimedia and personalization to the connected car, immersing drivers in more of their favorite audio content, and giving them more confidence through AI-powered in-cabin sensing solutions which improve the safety, comfort and security of everyone in the car.

To schedule a media demo, and/or a briefing with Xperi's automotive experts please contact Angela Jacobson at angela@mwebbcom.com or 714-454-8776.

About Xperi Holding Corporation

Xperi invents, develops, and delivers technologies that enable extraordinary experiences. Xperi technologies, delivered via its brands (DTS, HD Radio, IMAX Enhanced, InvenSense, TiVo), and by its startup, Perceive, make entertainment more entertaining, and smart devices smarter. Xperi technologies are integrated into billions of consumer devices, media platforms, and semiconductors worldwide, driving increased value for partners, customers and consumers.

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SOURCE: Xperi Holding Corp XPER-P

1 Centers for Disease Control and Prevention (CDC), National Center for Injury Prevention and Control (NCIPC). Web-based Injury Statistics Query and Reporting System (WISQARS). World Health Organization (WHO). Global Status Report on Road Safety

2 Ninety-eight percent of consumers say safety is important in their vehicle purchase choice and eighty six percent say their likelihood to purchase a vehicle would increase if it had a safety-focused computer vision system Caravan Engine Insights https://dts.com/wp-content/uploads/2021/11/Xperi_In-Cabin_Sensing_Survey_2021.pdf

3 Sixty-nine percent of respondents to a recent survey say they do not currently trust self-driving technology. <https://dts.com/wp-content/uploads/2022/01/2022-Vehicle-Predictions-Report.pdf>

4 Forty-nine percent of respondents to a recent survey felt that their car is a place of refuge away from the pressures of home and work and fifty-one percent believe the car will become an extension of the office or living room within 10 years. <https://dts.com/wp-content/uploads/2022/01/2022-Vehicle-Predictions-Report.pdf>

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