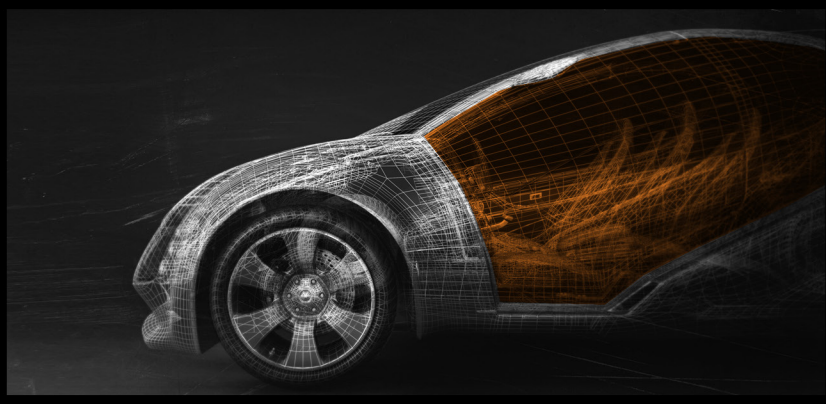
DTS AutoSense

The Leading In-Vehicle Sensing Solution

There's No Place Like My Car.

DTS AutoSense™ offers game-changing cabin monitoring and sensor applications to personalize and fully transform the in-vehicle experience.

The DTS AutoSense suite of in-cabin solutions harnesses advanced machine learning techniques specifically designed to address the unique needs of the automotive market. We provide high accuracy detection, classification and analytics for all vehicle passengers – humans and pets – to enable better, safer experiences in the car.



VISION | EXPERTISE | QUALITY | STABILITY | CREDIBILITY

Our award-winning research team comprises over 100 innovators and 1,000+ AI and computational imaging patents. We are first to mass market occupant monitoring technologies.

As pioneers in the field, we offer mentorship and developmental support to our partners; we're committed to sharing our expertise for solving complex problems, building new use cases and adapting our technology to address a variety of requirements.

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DTS AutoSense

The Leading In-Vehicle Sensing Solution

DRIVER & OCCUPANT MONITORING/SAFETY

ADVANCED USER EXPERIENCE

SYSTEM-AGNOSTIC

FLEXIBLE CAMERA PLACEMENT

NEURAL ALGORITHMS

IN-CABIN SAFETY

Activity Detection
Senses if the driver eats, drinks, smokes or uses the phone while driving, and alerts the vehicle/driver to avoid an accident.

Attentiveness
Helps to classify and manage attention zones based on driver parameters.

Camera Analytics
Ensures all in-cabin features are operational; notifies the driver if anything is affecting the video feed.

Child Presence Detection
Personalizes in-cabin features if a child is detected in the car.

Drowsiness & Fatigue Detection
Immediately activates remedial action to avoid accidents if the driver enters sleep/microsleep states.

Distraction Detection
Works to eliminate one of the main causes of accidents by identifying all types of distracted driving.

Occupant Presence Detection
Detects all occupants and seat positions within the vehicle. Enables personalization of other in-cabin features and safety alerts.

Pet Presence Detection
Enables configuration of specialized alerts for driving segments and for when pets are left behind/unattended.

State of Mind
Enables features (e.g., smart playlists, volume moderation, lighting and temperature settings) by identifying and interpreting emotions.

IN-CABIN EXPERIENCE

THE DTS DIFFERENCE
As autonomous vehicles pave the way for more intelligent cockpits, we acknowledge the importance of embedded cognition technology to enhance the in-car experience. We believe smart cars should understand all living beings and objects inside the cabin; our vehicles should have the capability to take actions to ensure driver, passenger and public safety.

Adaptive Interior
Personalized modifications to the wheel and chair positions, infotainment and music/apps based on driver recognition.

Advanced UX
Gesture control and personalization based on pupil position.

In-Cabin Analytics
Key object and occupant behavior tracking to enhance the overall in-cabin experience.

Secure Payments
Biometric-grade face recognition for pay-on-the-go capability.

Snapshot
Sharable smartphone-quality, full in-cabin selfies with filter options.

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