

Real-time driver attention monitoring, made playable

Driver Attention Monitoring with Gamification

IZB 2026



MADE FOR

Automakers and their technology suppliers working to make driving safer, with in-car AI that notices in real time when a driver is tired or distracted.

BUILT WITH

NVIDIA Jetson Orin AGX / DRIVE AGX Orin, OpenCV, MediaPipe, BlazeFace, C++, Python, CUDA.

WHY DXC FOR AUTOMOTIVE?

DXC helps carmakers and suppliers simplify complexity, build what matters and engineer it to scale. We combine deep automotive domain expertise with hands-on technical execution, giving clients a single partner from strategy to operations. Our teams integrate the industry software platforms automakers rely on, while building the proprietary systems that set them apart: digital cockpit and infotainment, autonomous driving, test and validation, and connected vehicle services. Our partner ecosystem spans silicon and AI compute leaders, industry platform specialists and domain-focused startups. Combined with our own engineering and enterprise-grade integration, it lets clients adopt proven, production-ready building blocks instead of starting from scratch. Through Physical AI, we engineer intelligent systems where software, hardware and AI come together, in the vehicle and on the shop floor. The result is faster innovation, consistent quality and compliance, and vehicle experiences that keep evolving over time.

WHY IT MATTERS

Driver and occupant monitoring (DMS/OMS) has to work reliably and in real time inside the vehicle, which demands fast AI processing at the edge.

EXPERIENCE IT LIVE

- Blinking Game: tracks your blinks and measures how long you stare between them.
- Paddle Game: you steer a paddle with your head movements.
- You compete against an AI paddle — try to beat it!

UNDER THE HOOD

- Capture – A camera captures the visitor's face.
- Track – Face-tracking AI detects eyes and head position.
- Infer – Real-time inference runs on an NVIDIA GPU.
- Play – The result drives the interactive game.

WHAT IT MEANS FOR YOU

- Shows real-time image processing and AI inference on automotive-grade NVIDIA hardware.
- Demonstrates how the technology applies to DMS/OMS.
- Uses gamification to make advanced safety technology easy to understand.

Challenge the AI at our booth.

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