

Smart Eye AIS

A Complete Driver Monitoring System for Small-Volume OEMs

AIS is Smart Eye's complete hardware and software Driver Monitoring System (DMS) for small-volume vehicle manufacturers.

For manufacturers of cars, buses, and trucks, AIS provides an off-the-shelf, cost-effective solution for seamless original installation of driver monitoring system technology.

Built on 20 Years of Automotive Experience

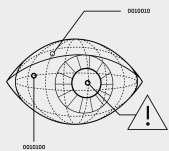
AIS is based on more than two decades of automotive experience. Using the same AI-based algorithms as Smart Eye's world-leading driver monitoring system software – the most used DMS in cars on the road today.

Designed to meet the high-quality demands of the automotive industry, AIS unites our leading software with automotive-qualified hardware – developed in house to work perfectly with our AI algorithms.



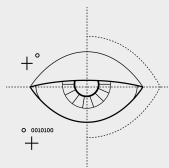
Paving the Way to Safer Driving

The AI-powered software detects early signs of drowsiness or distraction to prevent dangerous situations. With superior performance and intelligent features, AIS is developed to make every trip a safer journey.



Drowsiness

Alerts when sleepiness, drowsiness or yawning is detected.



Distraction

Makes sure that focus stays on the road with gaze tracking.

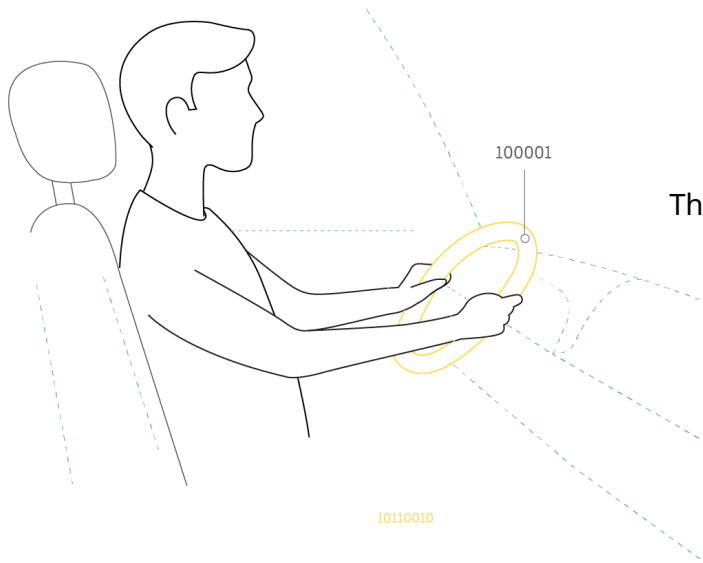


High-Accuracy Recognition

Recognizes all kinds of faces, including those wearing a face mask and sunglasses.

Future-Proof DMS: Streamlined GSR and Euro NCAP Compliance

With mandatory DMS implementation on the horizon in many parts of the world, the pressure is mounting on OEMs to adopt these systems quickly.



AIS is compliant with the EU's new General Safety Regulations (GSR) and European New Car Assessment Programme (Euro NCAP) requirements, future-proofing vehicles for years to come.

The GSR mandates that all new types of vehicles in Europe must include Advanced Driver Drowsiness Warning (ADDW) technology by July 2024. By July 2026, these requirements extend to all new vehicles.

AIS offers readily deployable DMS without the need for extensive resources, including the software and hardware architecture to host a DMS. Instead, the comprehensive solution enables OEMs to swiftly integrate a state-of-the-art DMS into their vehicle models, without compromising on safety or quality.

Technical Specifications

Combining artificial intelligence with great flexibility, AIS is a scalable system developed with several different output options for alarming the driver. It can easily be integrated with the vehicle and other systems by connecting to a CAN bus.

- 9-36 V Input Voltage
- 0.6 A (12.5V) Power Consumption
- 0.1 mA Standby Current
- Output/input: CAN, BLE (optional), digital signals
- AIS 6 Camera size: 67*17*25 mm
AIS 12 Camera size: 131*23*63 mm
- 512 MB Memory
- Operating Temperature: -40 to +85 degrees Celsius
- Storage Temperature: +125 degrees Celsius
- 1 or 2 Mpxl Image Sensor
- FPD Link III Camera Connectivity
- Power Over Coax Camera Power
- Supports communication protocols such as SAE J1939 and AUTOSAR



Come pave the way of road safety with us! Contact Us: smarteai.com/small-volume-dms

