



ADAS

Driver Monitoring System

AD-DMS-5-S-100

New Era of Intelligent Driver Safety



AIS 184 | EU 2019/2144

Intelligent, Accurate & Real-Time



Real-Time Driver Monitoring with Edge AI

Advanced AI models monitor driver presence, fatigue, and distraction in real time for improved safety.



High-Precision Face and Eye Tracking

468-point face mesh and iris tracking enable accurate gaze estimation and behaviour analysis.



Driver Identification and Behaviour Detection

AI-based driver recognition and distraction detection enable safer and more intelligent mobility.

AE-DMS AI Series



Built for intelligent driver safety with real-time monitoring and AI-powered behaviour analysis.

- ✓ **Real-time AI processing**
- ✓ **Driver fatigue detection**
- ✓ **Driver distraction detection**
- ✓ **Driver identification & authentication**

Parameters	Specifications
Digital Input	1× Active Low (PP)
Digital Output	4 (3RGB & Buzzer)
DMS Application Core Specs	Quad Core A53 @ 1.4 GHz
Real Time Core	Arm Cortex-M4F
RAM	2GB
Alert Video Recording and Storage	Yes
Wireless Comm.	Wi-Fi 6 + BLE 5.2 (PP)
Configuration	Over CAN, WiFi & BLE
Vehicle CAN Interface	1× CAN 2.0B (Upgradable to CAN-FD)
CAN Diagnostics	UDS Compliant with DTC

Parameters	Specifications
Camera	MIPI - CSI (2-lane) Monochrome / RGB
Night Vision	Yes
IP Rating	IP67
Design Validation	AIS004 Part 3
Product Dimension	119mm × 70mm × 50mm
Mounting Brackets	Yes – with M3 screws
Product Weight	<375g
Installation Location	A-pillar
Visual Alert	LED indication (PP)
Audio Alert	Speaker or buzzer (PP)
Compliance	AIS 184 EU 2019 / 2144

Empowering the Complete Ecosystem

Complete development and manufacturing, including system design, hardware engineering, validation, and high-volume production, backed by dedicated customer support.

Let's Co-Create the Future of Mobility.

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