# Nota AI

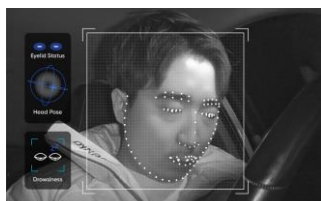**Renesas Ready Ecosystem Partner Solution**

# Nota AI Nota DMS

## Solution Summary

Nota AI's Nota Driver Monitoring System (DMS) is an in-cabin safety solution powered by NPU-compatible technology to enhance road safety for all aspects of vehicle travel. Nota DMS detects unregistered drivers, driver drowsiness, cell phone usage, and driver distractions like smoking on general purpose MCUs based on our lightweight AI technology. This solution is supported on Renesas RA8D1, RA8P1 MCUs and RZ/V2L MPUs.

## Features/Benefits

- Excellent performance on low-cost edge devices (10~50 FPS)
- Compatibility with various camera types : IR/RGB, IR-RGB
- Flexible installation locations
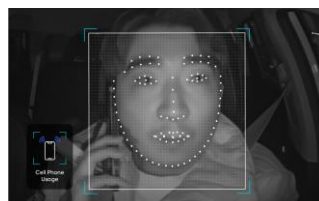- Robustness in various environments

## Diagrams/Graphics



| Drowsiness Detection | Distraction Detection | Cell Phone Usage Detection | Smoking Detection |

|        | Drowsiness | Distraction | Cell Phone Usage | Smoking |
|--------|------------|-------------|------------------|---------|
| RA8D1  | ✓          | ✓           |                  |         |
| RA8P1  | ✓          | ✓           | ✓                |         |
| RZ/V2L | ✓          | ✓           | ✓                | ✓       |

## Target Markets and Applications

- Dashboard camera
- Vehicle travelling data recorder
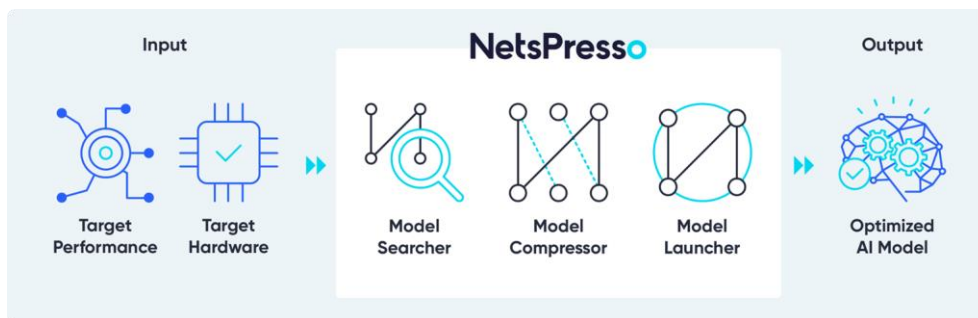- Monitoring system

www.nota.ai/dms

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# Nota AI

Nota AI® (Nota Inc.) is a tech startup with a focus on optimizing AI models with our proprietary hardware-aware AI model optimization platform, NetsPresso®, and enabling a diverse range of AI solutions for a diverse range of applications and industries, including the intelligent transportation system and driver monitoring system.
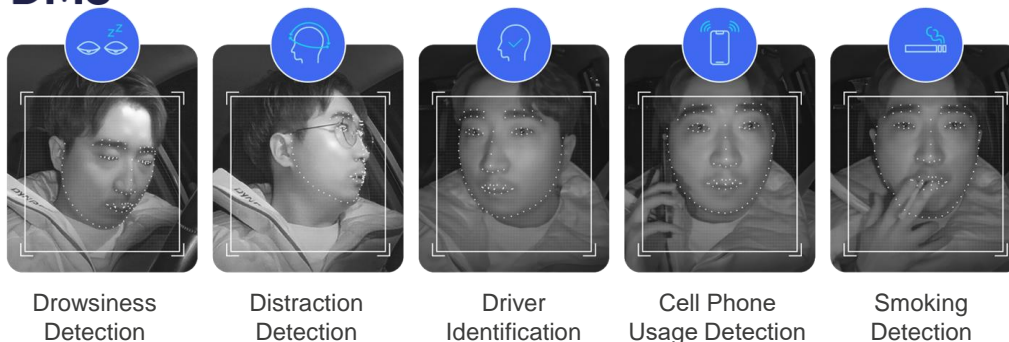
## Nota AI®'s Technology



**NetsPresso.** Hardware-aware AI model optimization platform



## Nota DMS — In-cabin safety, powered by NPU-compatible technology



| Drowsiness Detection | Distraction Detection | Driver Identification | Cell Phone Usage Detection | Smoking Detection |

## Nota ITS — We green-light roads with AI



| AI Traffic Camera | AI Safe Crossing | AI Traffic Signal Control | AI Smart Parking |

## Contact Us - Nota AI®