Nota AI®

Renesas Ready Ecosystem Partner Solution
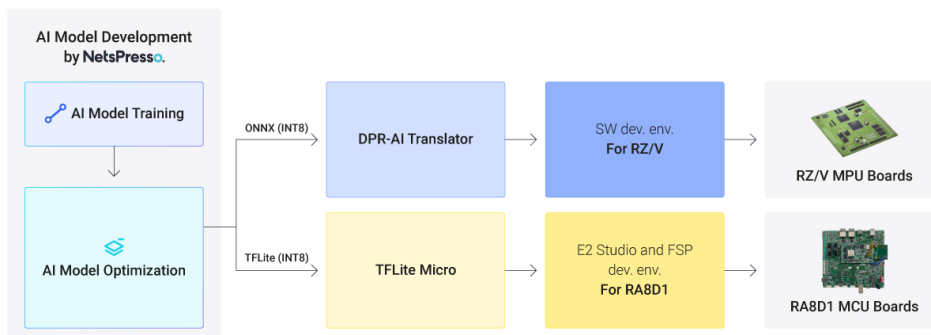# Nota AI NetsPresso®

RENESAS PARTNER NETWORK READY

Solution Summary

Nota AI's NetsPresso is a hardware-aware AI model optimization platform that empowers developers to build, optimize, and deploy lightweight AI models on Renesas RA8D1 MCUs and RZ/V MPUs. NetsPresso optimized AI models on MCUs/MPUs, boasting faster inference times and minimized memory usage. Additionally, NetsPresso's advanced pruning technology offers further model compression capabilities.

Features/Benefits

- Faster Time to Market
    - Shorten the time-to-market of your AI solutions with NetsPresso under your target hardware
- Compatible with Existing Platforms
    - NetsPresso is compatible with DRP-AI translator to provide a seamless experience during AI model development on Renesas MCUs and MPUs
- Higher Performance & Customization for Renesas
    - For RZ/V, it optimized the latest models including YOLOv5, YOLOv7 and YOLOX for DRP-AI
    - For RA8D1, it optimized the models including YOLO-Fastest

Diagrams/Graphics

Target Markets and Applications

- Smart intersection system
- Traffic safety solutions
- Real-time road incident detection
- AI smart parking
- Intrusion detection
- Fire detection
- Fall detection system
- Crowd counting system

https://www.nota.ai/netspresso

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 systems and driver monitoring system.
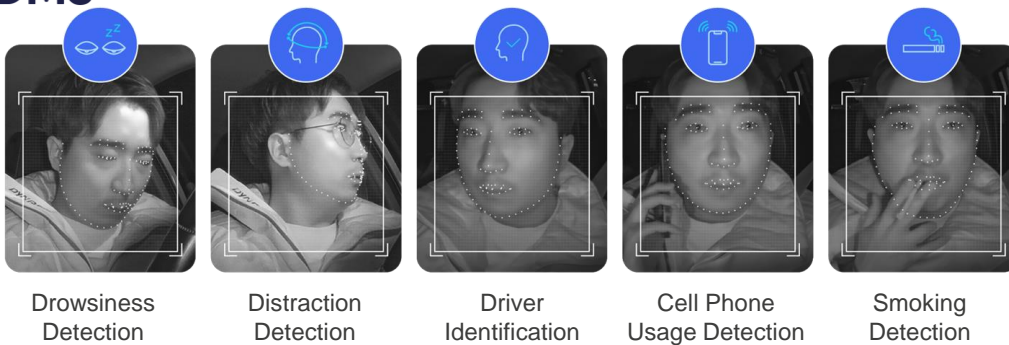
Nota AI®'s Technology

Solution Nota ITS	Platform NetsPresso	Solution Nota DMS

NetsPresso® Hardware-aware AI model optimization platform

Trainer	Compressor	Converter	Benchmarker	→ Optimized Model

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

Smart Intersection System	VRU Safety Solutions	Automatic Incident Management System	AI Smart Parking

Contact Us - Nota AI