Nota AI®

Renesas Ready Ecosystem Partner Solution

Nota AI NetsPresso®

RENESAS PARTNER NETWORK READY

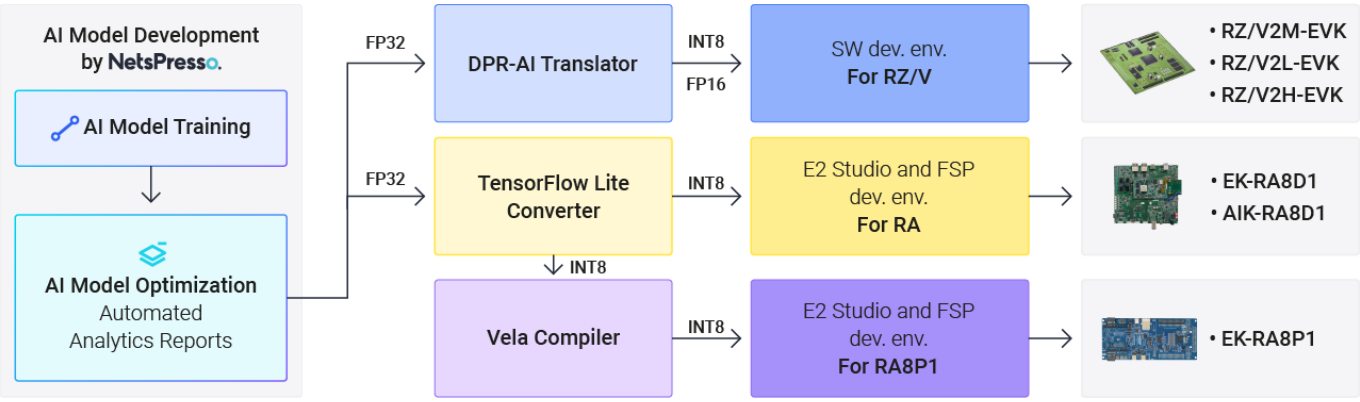
Solution Summary

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, RA8P1 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 and RA8P1, 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

www.nota.ai/netspresso

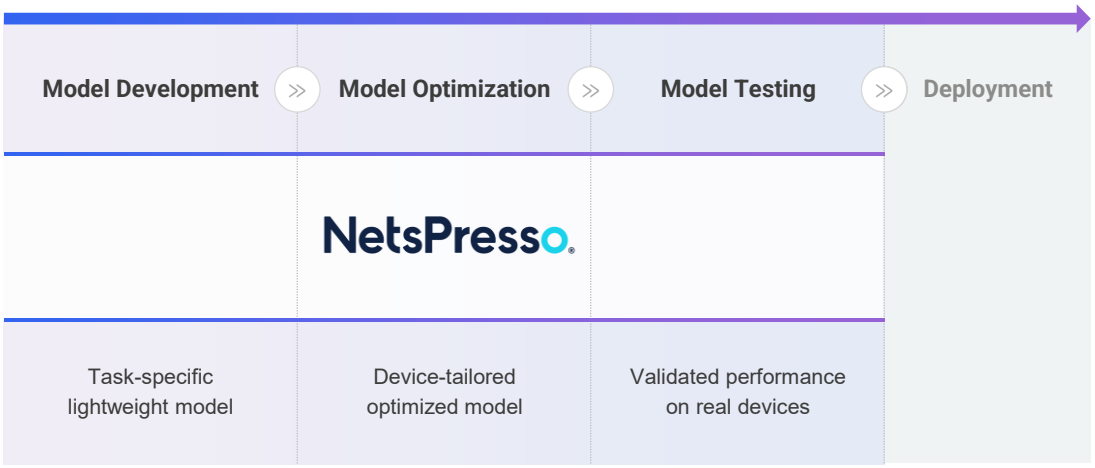
2025.07

Nota AI®

Nota AI® (Nota Inc.) is an innovative technology company specializing in hardware-aware AI model optimization through its proprietary platform, NetsPresso®.
Leveraging this technology, Nota AI delivers high-performance on-device AI solutions across various industries, including transportation, IoT, mobile, robotics, and beyond.

Nota AI®'s Technology

AI Model Optimization Platform

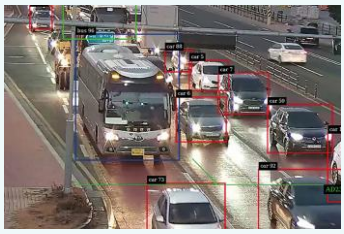


On-device AI Solutions

Nota Vision Agent

- Real-time monitoring with instant alerts
- Automated analytics reports
- Natural language Q&A and video search

ITS Solution



- Traffic monitoring
- VRU safety
- Incident management
- Smart parking

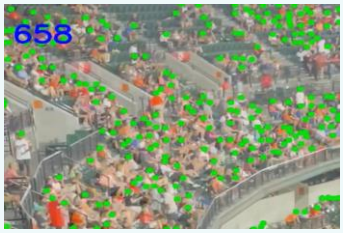
DMS & FR Solution

- Driver behavior monitoring
- Driver authentication
- Access control

Industrial Safety Solution

- Worker safety management
- Work environment safety management

Surveillance Solution



- Public safety management
- Disaster prevention
- Crowd counting
- Illegal activity detection

[Contact Us - Nota AI]