

RZ Ecosystem Partner Solution

Nota AI Crowd Counting



Solution Summary

Nota AI's Crowd Counting is a surveillance/monitoring solution powered by NPU-compatible technology. Nota AI Crowd Counting ensures the safety and efficiency of large gatherings in venues and prevents overcrowding by recognizing objects in various situations. Optimized for and supported by Renesas [RZ/V2H](#) MPUs with DRP-AI3 Accelerator, this solution performs real-time accuracy with low power consumption.

Features/Benefits

- Up to 5000 individuals high-capacity crowd counting optimized for the RZ/V2H platform
- Real-time monitoring with low power consumption on the RZ/V2H platform
 - Detection-based model: counting 0~100 people with 43.1 FPS
 - Heatmap-based model: counting 100~5000 people with 24.4FPS

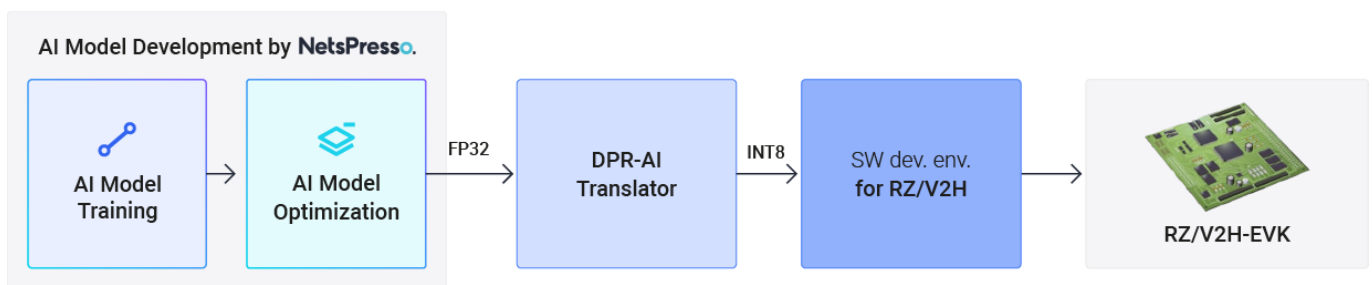
Diagrams/Graphics



Detection-based model



Heat-map based model



Target Markets and Applications

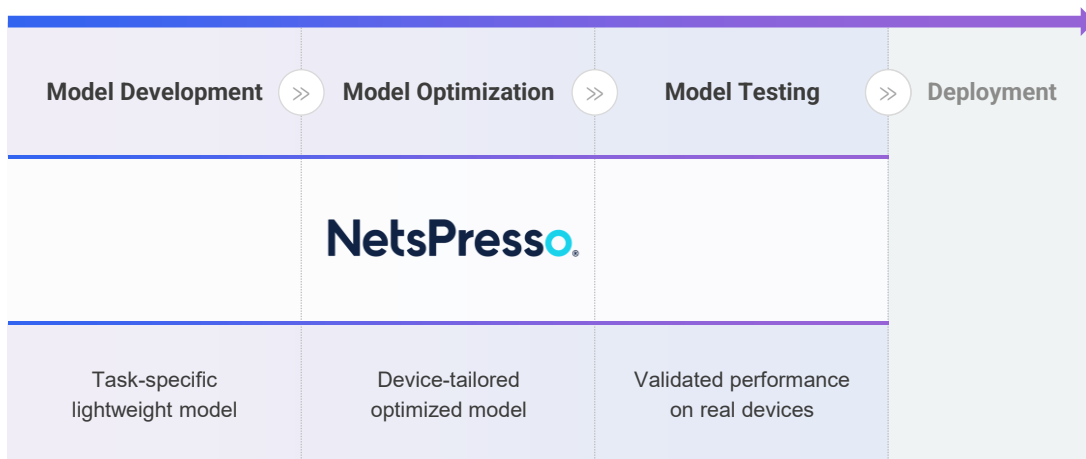
- Public safety
- Site monitoring (city, retail, industrial, hospital, events)

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



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