

RZ Ecosystem Partner Solution

Nota Al Crowd Counting



Solution Summary

Nota Al's Crowd Counting is a surveillance/monitoring solution powered by NPU-compatible technology. Nota Al 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-Al3 Accelerator, this solution performs real-time accuracy with low power consumption.

Features/Benefits

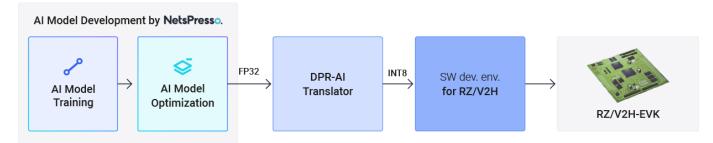
- Up to 5000 individuals high-capacity crowd counting optimized for the RZ/V2H platform
- Real-time monitoring with low power consumption on the RZ/V2H platform
 - Detection-based model: counting 0~100 people with 43.1 FPS
 - Heatmap-based model: counting 100~5000 people with 24.4FPS

Diagrams/Graphics



Detection-based model

Heat-map based model



Target Markets and Applications

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

www.nota.ai/ai-solutions#safety

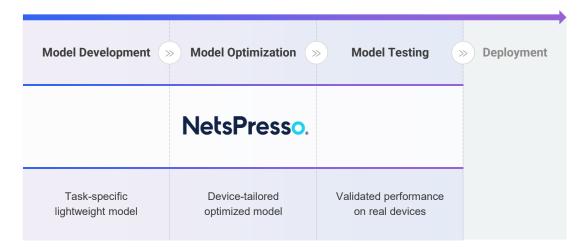


Nota Al[®] (Nota Inc.) is an innovative technology company specializing in hardware-aware Al model optimization through its proprietary platform, <u>NetsPresso</u>[®].

Leveraging this technology, Nota AI delivers high-performance on-device AI solutions across various industries, including transportation, IoT, mobile, robotics, and beyond.

Nota Al®'s Technology

Al Model
Optimization
Platform



On-device Al Solutions



- 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





- · Worker safety management
- Work environment safety management

Surveillance Solution



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

Contact Us - Nota Al