Nota AI®

Hardware-aware AI Model Optimization Platform and On-device AI Solutions

We Bring the Benefits of AI Everywhere

Nota AI bridges the gap between AI technology and real-world application,
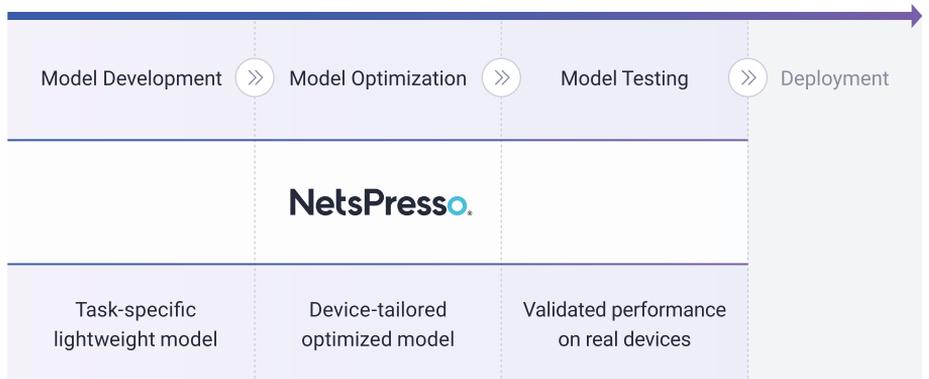pioneering the democratization of AI by making it more accessible to everyone, everywhere.

Product Value

AI Model Optimization	+	On-device AI Solutions
Maximized Productivity		High Scalability Across Industries

Product Portfolio

Hardware-aware AI Model Optimization Platform and On-device AI Solutions

AI Model Optimization Platform

Model Development	»	Model Optimization	»	Model Testing	»	Deployment

NetsPresso.

Task-specific lightweight model	Device-tailored optimized model	Validated performance on real devices

On-device AI Solutions

Nota Vision Agent

ITS Solution

DMS & FR Solution

Industrial Safety Solution

Surveillance Solution

Global Acclaims
35+

CB Insights AI 100: The most promising AI Startups 2025	**FirstMark** 2025 MAD Landscape Edge AI category 2025
CB Insights LLMOps Market Map Global Leader in Hardware-aware AI Optimization 2023	**MarketsandMarkets** Industry-leading Edge AI Software Vendor 2023
tinyML Awards 2023 Best Product of the Year 2023	Plug and Play Tech Center Startup Award 2022

Academic Achievement
38+

ICLR2026 ERGO: Efficient High-Resolution Visual Understanding for Vision-Language Models	**AAAI-26 Workshop** Next-Frame Prediction as a Reliability-Aware Training Paradigm for Robust Vision Encoders
CVPR 2025 Workshop Efficient LLaMA-3.2-Vision by Trimming Cross-attended Visual Features	**COLING 2025** Where do LLMs Encode the Knowledge to Assess the Ambiguity?

Clients & Partners
102+

Semiconductor and Hardware Manufacturing	NVIDIA arm SAMSUNG Qualcomm SONY
IT Services and Telecommunications	aws partner network Microsoft SK telecom LG CNS
Construction, Manufacturing, Distribution, Smart Cities	SAMSUNG C&T KOLON RTA The City of SAN DIEGO

Milestone

2015–2017	2018–2020	2021–2023	2024–Present
• Nota Inc. established • Seed funding (USD 0.2M)	• Pre-series A funding (USD 1.2M) • Series A funding (USD 6.6M) • Europe Subsidiary established in Berlin, Germany	• Series B funding (USD 14.6M) • Nota America Inc. established in Sunnyvale, US • NetsPresso® Platform launched	• Series C funding (USD 19.9M) • Listed on KOSDAQ

NetsPresso.

Hardware-aware AI Optimization Platform Tailored for Any Model, Any Device

Workflow	Model Development	»	Model Optimization	»	Model Testing
NetsPresso. Core Engine	Model Zoo		Graph Optimizer		Simulator
	Trainer		Quantizer		Profiler
	Compressor		IR Converter		Device Farm

Available on	CLI	🐍 PyNetsPresso		
	GUI	**NetsPresso** Training Studio	**NetsPresso** Optimization Studio	**NetsPresso** Benchmark Studio

Customer Value

Seamless Model-to-Device Compatibility	High-Performance Optimization	Real-Device Validation that Minimizes Trial and Error

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Workflow 01

Model Development

Easily create task-specific lightweight models with high performance

NetsPresso Training Studio
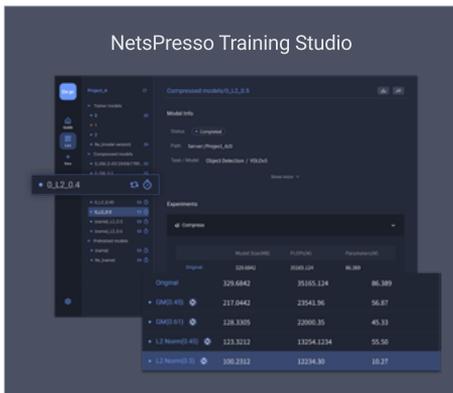
Core Modules

| Model Zoo	Trainer	Compressor

Key Features

Task-specific, device-compatible pre-trained models

Easy-to-use advanced compression techniques, such as structured pruning

Secure training in a local environment with zero risk of data leakage

Available on	**Py**NetsPresso	**NetsPresso** Training Studio

Workflow 02

Model Optimization   *Newly Featured*

Optimize AI models for size, speed, and compatibility, all tailored to your target device
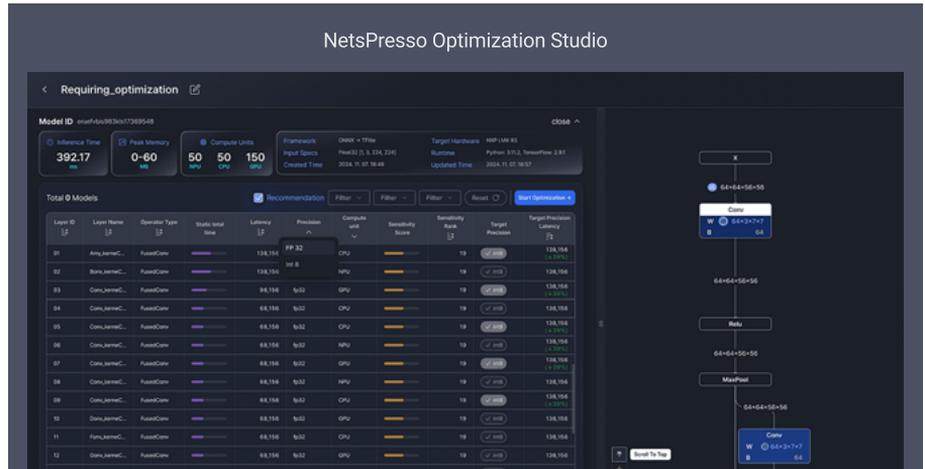
Key Features

Computational optimization ensuring
both compatibility and performance

Enhanced speed and memory efficiency
with minimal accuracy loss

Automatic model conversion
for effortless SDK integration

Core Modules

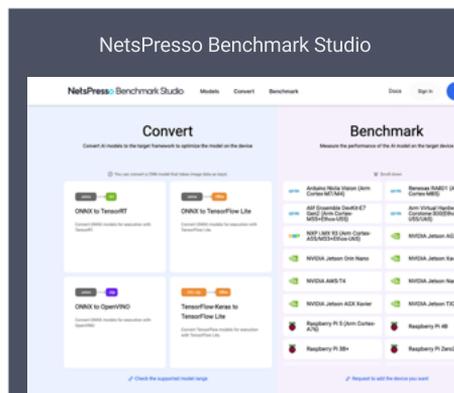Graph Optimizer   Quantizer   IR Converter

Available on

PyNetsPresso

NetsPresso Optimization Studio

Workflow 03

Model Testing

Quickly and accurately validate performance on real devices

Core Modules

Simulator   Profiler   Device Farm

Key Features

Validated real-world device performance

Precise bottleneck analysis for optimized
performance

Accelerate development
by minimizing model tuning iterations

Available on	**PyNetsPresso**	**NetsPresso** Benchmark Studio

Nota Vision Agent (NVA)

A Next-gen AI Agent Transforming Visual Data into Actionable Insights

A tailor-made agent for any industry, any situation

Real-time monitoring with Instant **alerts**

Event summaries and analytical **reports**

Natural language **Q&A** and video search
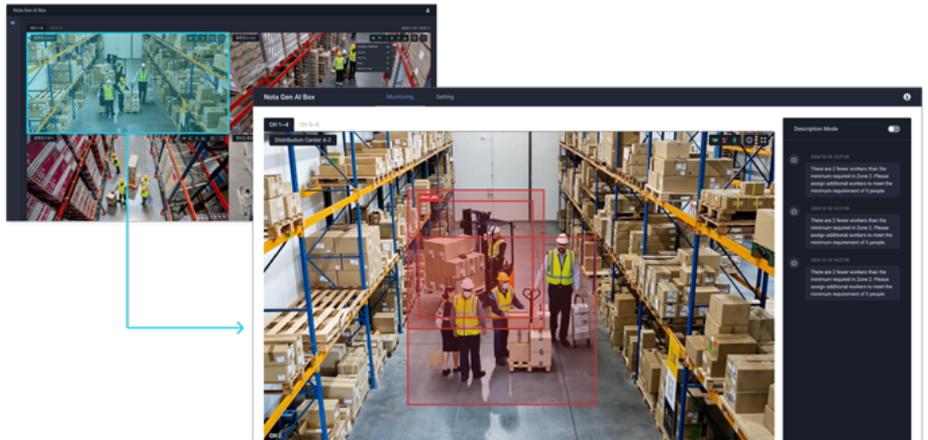
Industrial Safety | ITS | Surveillance | Smart Building/Retail

Customer Value

Nota Vision Agent (NVA) is an advanced AI solution powered by Vision-Language Models (VLM), revolutionizing visual data analysis and utilization.

Enhanced Safety
Proactive accident prevention and SOP compliance

Maximized Productivity
Real-time risk detection and automated reporting

Simplified Operation
Seamless integration with existing systems without equipment replacement

Distinctive Features

Legacy Video Management Solution	Nota Vision Agent
Limited capability to analyze sequential actions, resulting in low accuracy for event detection in complex environments	Real-time sequential action tracking with high accuracy in complex environments
Manual video searches are time-consuming, and metadata-based searches are often inaccurate	Intuitive natural language-based video search and AI-generated summaries improve operational efficiency
Manual report generation after events occur, consuming significant time and effort	Automatically generates event timelines and provides detailed AI-driven analytics reports

Use Cases

NVA delivers lightweight, high-speed agents flexibly adaptable to diverse industrial environments, enhancing safety and dramatically improving operational efficiency.
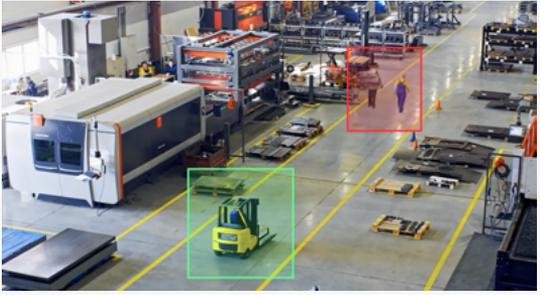
Case 1
Industrial Safety

Factory Safety Supervisor

Please check whether proper safety equipment is worn and whether the work is being carried out in pairs when using a ladder.

NVA

The worker is not wearing a helmet and is working alone on the ladder. Immediate corrective action is required.

Stream: Camera_046

Case 2
ITS

Traffic Accident Investigator

Please explain the cause of the accident at the intersection this morning, and how it was handled.

NVA

Here's the footage from the incident at 7:23 AM. I'll prepare a detailed report, including the cause and follow-up actions.

Stream: Camera_047

Case 3
Surveillance

Municipal Surveillance Officer

Please find the person who dumped trash here yesterday around 10PM.

NVA

The person who dumped trash at 10:23 PM yesterday has been identified on video. I'll show the footage.

Stream: Camera_048

Easily adaptable across diverse industries to solve complex challenges beyond traditional visual data analytics.

Industrial Safety Solution
Powered by NVA

A Generative AI Solution that Identifies and Understands On-site Hazards

Worker Safety Management	Work Environment Safety Management
· Detection of personal protective equipment (PPE) usage · Detection of abnormal worker behavior · Detection of worker location and access to hazardous areas	· Detection of workplace hazards · Heavy equipment access control · Detection of obstacles in the workplace · Monitoring of specific areas

Customer Value

Enhanced Workplace Safety

Strengthens preventive measures to minimize accidents

Improved Operational Efficiency

Streamlines operations by improving hazard detection and response

Maximized Productivity

Optimizes workforce allocation with automated monitoring

Pipeline

Plug-and-play 'Gen AI Box' with your current video management system
and start using it immediately on-site — with no need for replacements or additional purchases

Video Storage

Video Transmission

Gen AI Box

Video Management System

AI Solutions powered by NVA
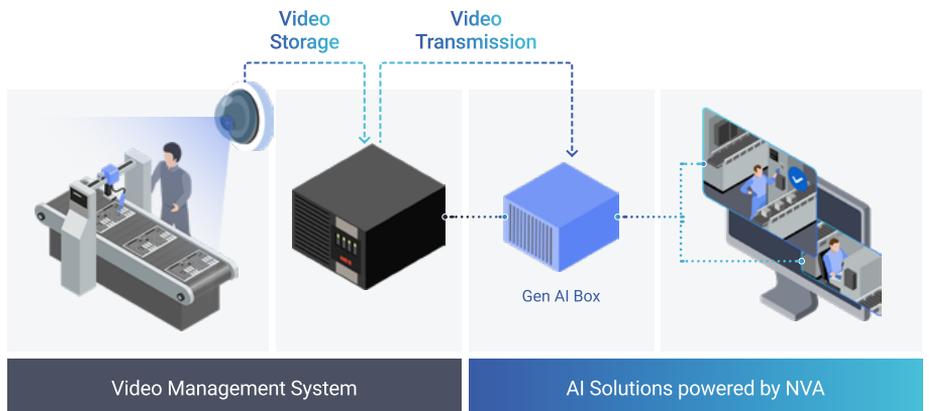
Surveillance Solution Powered by NVA

A Video Surveillance Solution Protecting Public Safety and the Environment

Public Safety Management	Disaster Prevention
Detection of safety incidents such as fights, and unauthorized intrusions	Detection of natural disaster indicators such as fire, smoke, and floods
Crowd Safety Management	Illegal Activity Detection
Detecting crowd density at public events such as parks, festivals, and concerts	Detection of unauthorized activities such as illegal dumping or littering

Customer Value

Enhanced Public Safety	Improved Crisis Response Capabilities	Optimized Operational Efficiency
Enables real-time crime detection through CCTV surveillance	Enables rapid response to mitigate damages	Improves operational readiness through an integrated control system

Success Cases

Conducted a field demonstration for crowd safety monitoring in collaboration with Daejeon Metropolitan

Implemented an illegal waste dumping detection project in partnership with Gunpo City

Carried out a field demonstration for natural disaster detection in cooperation with the Korea Forest Service and Incheon Metropolitan City

ITS Solution Powered by NVA

An Intelligent Transportation System Creating Smarter, Safer Roads for Everyone

Traffic Monitoring

· Intersection traffic
  analysis
· Level of Service (LOS)

VRU Safety

· Road safety
  assessment
· Safe crossing solution

Incident Management

· Automatic incident
  detection
· Instant alerts and
  analysis with VLM

Smart Parking

· Parking space
  management
· Autonomous parking
  assistant
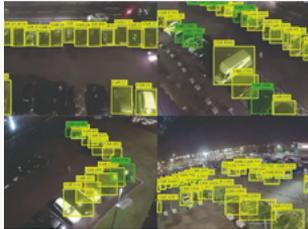
Customer Value

Optimized Traffic Flow

Analyzes real-time traffic data to reduce congestion and improve flow

Enhanced Road Safety

Identifies hazards instantly to help prevent road accidents

Cost-Efficient Deployment

Seamlessly integrates with existing CCTV infrastructure

Success Cases

2025
Signed Contract with Dubai RTA for Generative AI-based ITS Solution

2024
Achieved highest rating in smart intersection performance assessment by Korea's Ministry of Land, Infrastructure and Transport

2023
Completed AI Smart Parking pilot project in Milton Keynes, UK

DMS & FR Solution

Enhancing In-Cabin Safety and Security with Real-Time Precision Video Monitoring

DMS (Driver Monitoring Systems)

· Real-time detection of drowsiness, distraction,
  smoking, and phone usage
· Evaluates stress and fatigue levels
  by analyzing driving patterns, sudden acceleration,
  and braking behaviors

Drowsiness

Distraction

Smoking

Phone Usage

FR (Facial Recognition)

· Driver Authentication & Shift Detection
· Applies facial recognition to secure restricted areas
  and control equipment access
· Restricts unauthorized access to enhance security

Customer Value

Enhanced Driving Safety

Tracks driver fatigue
and distractions
to prevent accidents

Efficient Security Management

Provides secure identity
checks with
facial recognition

Optimized for Low-Power Devices

Designed to perform
reliably on low-power
devices

Customer Benefit

High performance on **low-spec edge devices**

Compatible with a **wide range of cameras**

Flexible installation at **various locations**

Robust performance in **various environments**

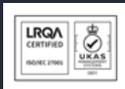**Email**   contact@nota.ai

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