

NVA

Nota Vision Agent

NVA (Nota Vision Agent)

A Generative AI-Powered Vision Agent

NVA (Nota Vision Agent) is a Vision-Language Model (VLM)-powered surveillance solution that autonomously perceives and understands on-site situations. It instantly detects and analyzes potential hazards from real-time video streams, dramatically enhancing safety management efficiency across industries.

Nota Vision Agent

One Agent. Any Domain.

Industrial Safety : PPE & Coworking

Monitor safety compliance, such as wearing PPE or collaboration rules

This image shows two construction workers on ladders. One worker is wearing a high-visibility vest and a hard hat, while the other is wearing a dark shirt and pants. A yellow bounding box highlights the worker in the high-visibility vest, and a green bounding box highlights the worker in the dark shirt. This visualizes how NVA monitors safety compliance.

Industrial Safety : Forklift Collision Risk

Monitor the risk of collisions or accidents in the workplace

This image shows a warehouse interior with several pallets and a forklift. A yellow bounding box highlights the forklift operator, and another yellow box highlights a worker standing nearby. This illustrates NVA's ability to detect collision risks between moving vehicles and workers.

ITS : Traffic Accident Report

Discover a traffic accident and create a step-by-step report in real time

This image shows a night-time road scene with a car accident. A green bounding box highlights the damaged vehicle. This demonstrates NVA's capability to detect and report traffic accidents in real-time.

Smart City Surveillance

Detect public order issues or illegal dumping

This image shows a street scene with a white van and a person walking. A green bounding box highlights the person, possibly indicating a detection of public order issues or illegal dumping.

Smart Building Security

Detect security or safety issues in the building

This image shows a lobby area with several people. A red bounding box highlights a group of people, likely detecting social distancing or other security issues.

Retail Security

Detect security or safety issues in the store

This image shows a store interior with a person pushing a shopping cart. A red bounding box highlights the person, possibly detecting shoplifting or other retail security issues.

Key Features

Real-time Contextual Scene Understanding



- Enables proactive awareness and accurate detection of previously unseen anomalies
- Delivers instant alerts to enable swift response and prevent accidents

Automated Prompt-driven Intelligence



- Defines detection scenarios through natural language prompts
- Supports intuitive video search and auto-generated reports, reducing manual workload

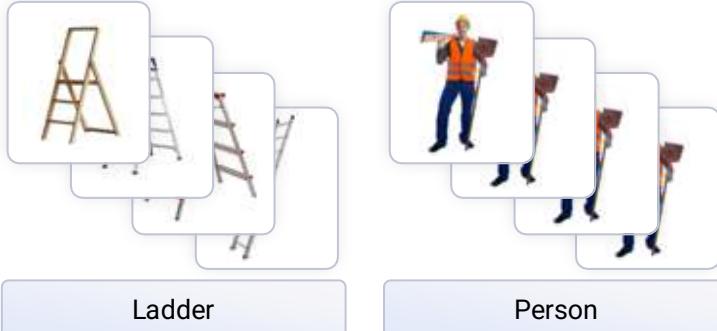
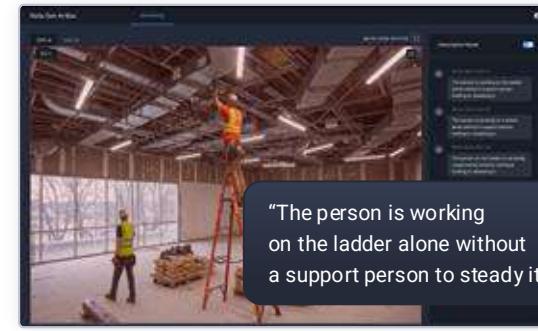
Edge-oriented Execution



- Processes video data entirely on-site, ensuring privacy and compliance
- Delivers low-latency inference on resource-constrained hardware

Technical Capabilities

Combined Strengths of CV and VLM

Detection Methodology		Strengths
CV	 <p>Ladder</p> <p>Person</p>	
VLM	 <p>Two workers are working together using a ladder</p> <p>Two workers are working together using a ladder</p>	

Proficient in Both CV and VLM, Nota AI Delivers Optimal Solutions Tailored to **Each Customer's Needs**

Technical Capabilities

#1

Well-Defined Object Detection



Detecting hazardous elements with distinct characteristic in specific areas

Both **CV** and **VLM** Appropriate

Scenario-Based Model Application

#2

Requiring Value Judgement



Analyzing and predicting potential damage levels or spread areas based on current condition

#3

Behavior-Based Hazard Detection



Identifying potential risks such as SOP violations, negligence, and unsafe actions to proactively prevent incidents

VLM Required

Competitive Advantage



Market Positioning

Evaluation Criteria		Nota AI	A	B	C
Technical Maturity	VLM Capability	✓	△	✗	✗
	Vision Model Versatility	High	Limited	Low	Limited
	Edge Deployment	✓	△	✓	✗
	Commercial Deployment	High	High	High	Limited
	End-to-End Delivery	✓	△	△	✗
	PoC-to-Production	✓	✓	✓	△

Evaluation Criteria

* **Technical Maturity:** Expertise in developing and deploying diverse Vision AI models

* **Commercial Scalability:** Proven ability to deliver end-to-end solutions from PoC to full-scale production

Legend

- ✓ Available
- ✗ Not available
- △ Partial

High: Multiple commercial deployments
Limited: Few deployments
Low: PoC-level only

Competitive Advantage



Multi-Model Vision AI Expertise

Ability to develop and deploy vision AI models—including VLM and CV—in the most effective combination for each scenario.

Key Differentiators



Edge Deployment Capability

Designed to operate reliably within constrained hardware and network environments, powered by proprietary AI compression and optimization technologies.



Proven End-to-End Delivery Experience

Validated through commercial deployments, scaling from PoC to full production systems.

Customer Benefit



Achieving High Detection Performance

- Combines various vision AI technologies to address a wide range of detection requirements
- Customizes model configurations based on site-specific characteristics and detection complexity



Maximizing Business Productivity

- Compatible with existing CCTV and video management systems without the need for additional equipment purchases
- Can be applied on-site within 2–3 weeks without complex pre-training



Improving Operational Efficiency

- Reduces administrative workload with features such as automated analysis reports and video search
- Enables efficient personnel allocation through automated CCTV monitoring

NVA In Action

Real-Time Monitoring

The screenshot displays the Nota Vision Agent's real-time monitoring interface. On the left, a sidebar lists hazard detection zones and camera channels. The main area shows four camera feeds from different angles in a warehouse. A red callout highlights a hazard alert for PPE non-compliance (PPE 미착용) detected by camera 2 at 14:22:11 on November 1, 2024. The alert message is in Korean: "출고 대기장 2번 카메라에서 PPE미착용(안전모)이 검지 되었습니다." (PPE non-compliance (safety helmet) detected at Camera 2 in the shipping hold). The interface includes a date and time stamp (2025-02-15 12:49:11), a search bar, and various control icons.

Searchable List of Hazard Detection Zone and Channels

Real-Time Hazard Alerts

- Enables proactive safety measures through integrated real-time alerts
- Allows monitoring personnel to respond immediately to detected hazards

NVA In Action

Dashboard



Industrial hazards are categorized, tracked, and converted into data

Displays the precise location of each hazardous incident

Visualizes and analyzes incident occurrence data by month and category

NVA In Action

Rule Setting

The screenshot shows the 'Industrial Safety' section of the NVA interface. On the left, a sidebar lists detection tasks: 'NVA_01_PPE' (selected), 'Action Violation Detection Rule', 'PPE Safety Rule', and 'NVA_02_Forklift' (selected), with 'Forklift Violation Detection Rule'. A search bar is also present. The main panel displays the configuration for 'NVA_01_PPE - Action Violation Detection Rule'. It includes sections for 'Basic settings' (Cropping Padding: 5, Number of image sequence: 0, Crop type: People, Frame drop: 0), 'ROI settings' (Assistant Detection ROI), and 'Prompt settings' (containing a prompt to analyze CCTV footage for ladder safety). A blue dotted line highlights the 'Basic settings' and 'Video Analytics Setting' (Change creation info, Change settings) area. Another blue dotted line highlights the 'ROI settings' and 'Monitoring Specific Hazard Zone' area. A third blue dotted line highlights the 'Prompt settings' and 'Add or Edit Detection Rules' area.

List of Detection Tasks

- Easily search existing rules

Basic settings → **Video Analytics Setting**

- Allows setting customizable zones for focused analysis of collected video and images

ROI settings → **Monitoring Specific Hazard Zone**

- Allows setting customizable zones for focused analysis of collected video and images

Prompt settings → **Add or Edit Detection Rules**

- Define detection rules using natural language prompts
- No coding required

NVA In Action

Incident Search

조회

이벤트 조회

기간: 2025-02-24 ~ 2025-03-10 사이트: 전체 이벤트: 전체 위험 레벨: 전체 정렬: 최신순

확인 상태: 전체 6개 항목 표시

일시	사이트명	제날영	위반 이벤트	위험 레벨	확인 상태
2025-01-17 19:50:01	출고 대기장	1번 카메라	건설기계 출동 예방	위험	미확인
2025-01-17 19:50:01	출고 대기장	2번 카메라	컨베이어 벨트 침입	경고	확인
2025-01-17 19:50:01	출고 대기장	1번 카메라	안전모 미착용	주의	확인
2025-01-17 19:50:01	지게차 이동통로	1번 카메라	안전모 미착용	주의	확인
2025-01-17 19:50:01	출고 대기장	3번 카메라	안전모 미착용	주의	확인
2025-01-17 19:50:01	피킹 작업존	2번 카메라	안전모 미착용	주의	확인
2025-01-17 19:50:01	입고 차리구역	4번 카메라	안전모 미착용	주의	확인
2025-01-17 19:50:01	출고 대기장	4번 카메라	안전모 미착용	주의	확인
2025-01-17 19:50:01	지게차 이동통로	2번 카메라	안전모 미착용	주의	확인
2025-01-17 19:50:01	출고 대기장	2번 카메라	안전모 미착용	주의	확인
2025-01-17 19:50:01	입고 차리구역	3번 카메라	안전모 미착용	주의	확인

< 1 2 >

2025-02-15 12:49:11

▶ 컨베이어 벨트 침입

발생 정보

일시: 2025-01-17 19:50:01
사이트명: 출고 대기장
제날영: 2번 카메라
위험 레벨: 경고
확인 상태: 확인
비고: 작성된 내용이 없습니다.

이벤트 확인

검지 기록

Search Specific Incident

- Search specific events by applying filters from all collected footage
- Supports natural language search
- Eliminates the need for manual review of all footage

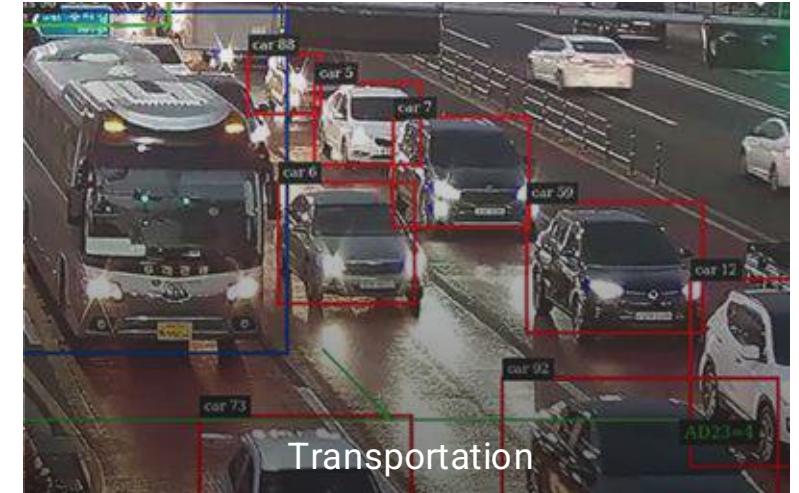
Applicable Industries



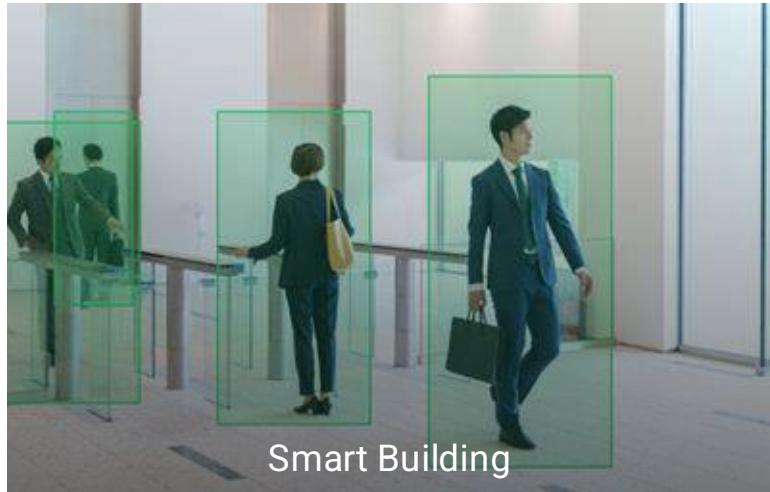
Industrial Safety



Surveillance



Transportation



Smart Building



Retail



Child care / Senior care

Use Cases

Industrial Safety

Chemical & Textile Manufacturer "K"

Challenge

Problem 01
Traditional monitoring systems lack the ability to interpret complex worker behaviors

Solution

Equipment Interlock
as a potential safety mechanism to halt machinery in hazardous zones

Result

Proactive Accident Prevention

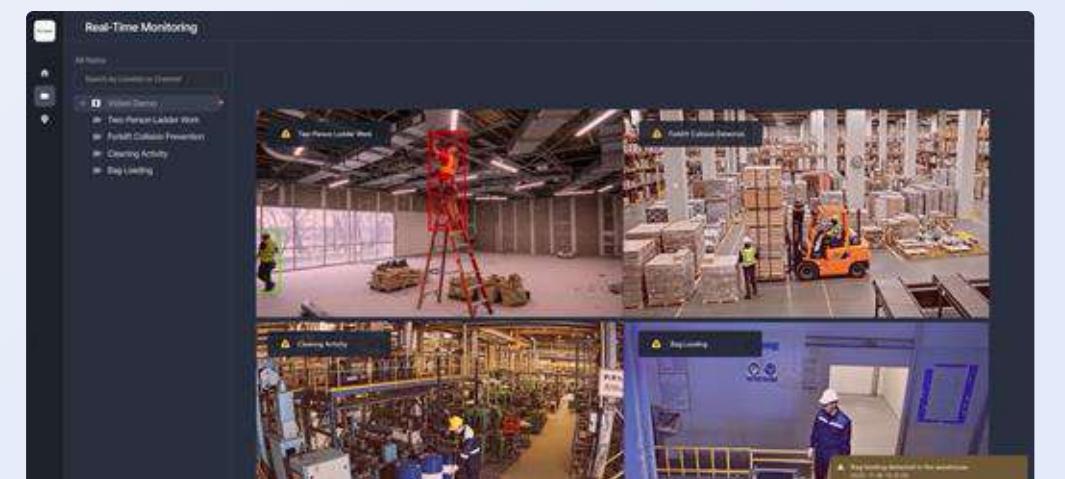
Proactively detects and blocks human error-based hazards, preventing accidents at the source

High SOP Compliance Accuracy

Achieved F1 Score of 85+ for SOP compliance accuracy across all tested tasks

Problem 2
Personal protective equipment (PPE) violations and unsafe behaviors often go unnoticed until incidents occur

SOP Compliance Monitoring
detects violations such as improper cleaning, incorrect loading, and floor-level repackaging through VLM-powered analysis



Use Cases

Surveillance

Municipal Government "G"

Challenge

Solution

Result

Problem 01

Illegal dumping is difficult to monitor consistently across widespread public areas

Edge-deployed NVA

detects smoke and burning activities to prevent fire incidents in real-time

Enhanced Public Safety Response

Improved response efficiency for public safety incidents

Privacy-Compliant Monitoring

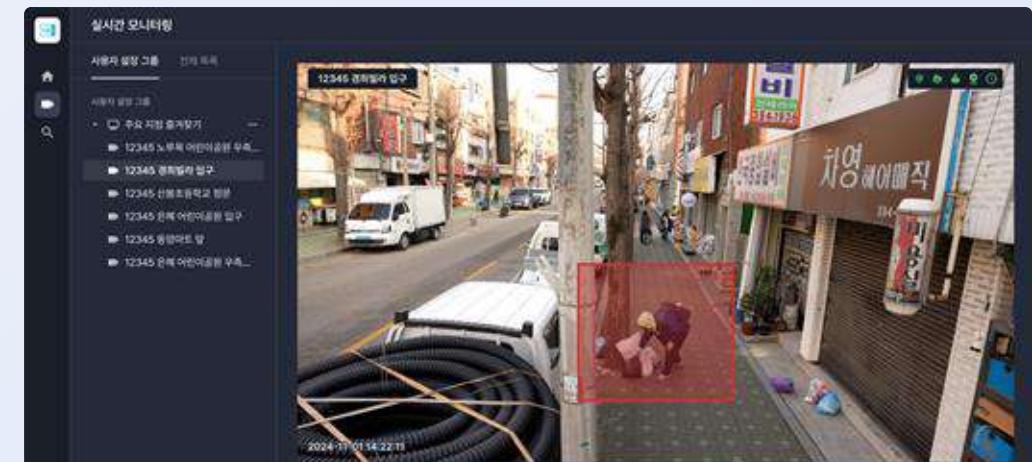
Enabled consistent monitoring while maintaining strict privacy and data governance compliance

Problem 2

Smoke and burning activities often go undetected until fire incidents escalate

Contextual video intelligence

identifies illegal dumping behaviors that traditional monitoring systems miss



Use Cases

Transportation

UAE Roads and Transport Authority

Challenge

Problem 01
Rapid detection of road incidents is critical across vast highway networks with high-speed traffic

Solution

VLM-powered NVA
detects road incidents and anomalies in real-time directly on edge devices

Result

High Incident Detection Accuracy

Achieved 95%+ accuracy in road incident detection during PoC validation

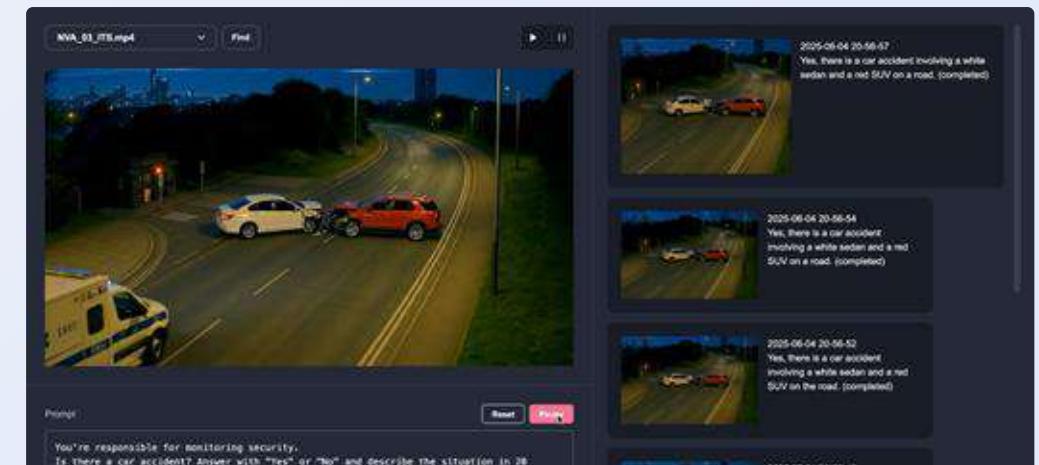
Operational Cost Efficiency

Reduced cloud dependency, lowering operational costs while enabling real-time response

Problem 2

Cloud-dependent systems pose challenges in latency, operational costs, and data security compliance

On-device processing
ensures minimal latency while maintaining strict data privacy and security standards



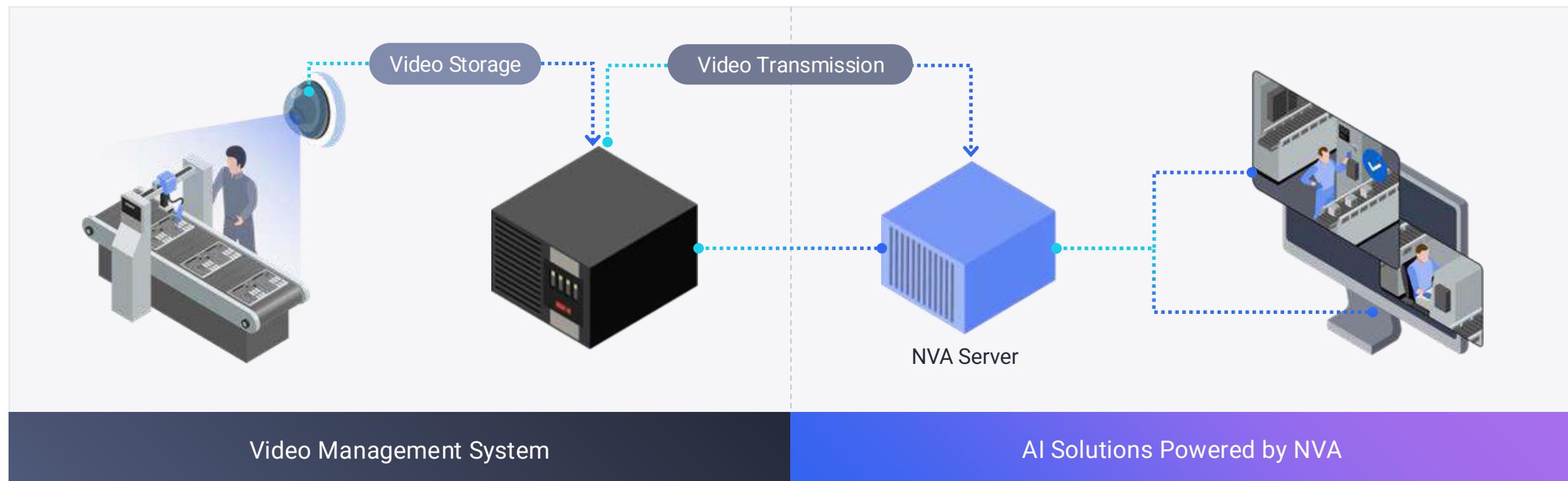
Pipeline

No additional equipment required

Easily integrate by connecting the 'NVA server' to existing video management systems.

Within just 2–3 weeks

NVA can be rapidly implemented in the field within just 2–3 weeks, without complex pre-training processes.





This presentation has been prepared by Nota Inc. ("the Company") for informational purposes only. It may not be reproduced or redistributed without the prior written consent of the Company.

This document contains forward-looking statements based on current expectations and market conditions. Actual results may differ materially due to various risks and uncertainties.

This presentation does not constitute an offer to sell or a solicitation of an offer to buy any securities. Any investment decision should be made based on your own independent analysis.

The Company assumes no responsibility for any losses arising from the use of this information and is under no obligation to update the content to reflect new information or future events.

Any third-party logos or trademarks appearing in this document are the property of their respective owners; their use is for informational purposes only and does not imply endorsement or affiliation.

본 자료는 주식회사 노타(이하 "회사")가 정보제공을 목적으로 작성하였으며, 당사의 서면 동의 없이 무단전재, 복사 또는 배포할 수 없습니다.

본 자료에 포함된 예측 정보는 현재의 시장 상황과 경영 방향을 토대로 작성되었으며, 향후 시장 환경 변화에 따라 실제 결과와 다를 수 있습니다.

본 자료는 투자 권유나 주식의 매수 또는 매도 청약을 구성하지 않습니다. 투자에 관한 최종 결정은 투자자 본인의 판단과 책임하에 이루어져야 합니다.

회사는 본 자료의 정확성이나 완전성을 보장하지 않으며, 본 자료를 이용함에 따라 발생하는 결과에 대해 어떠한 법적 책임도 지지 않습니다.

본 자료 내 타사의 명칭, 로고 및 상표가 포함된 경우, 이는 각 소유주의 자산이며, 정보 제공 목적으로만 사용되었으며 해당 기업의 승인이나 계열 관계를 의미하지 않습니다.