

SYSTEMINENCE

VisualEYE

Visual Intelligence Engine

AI Visual Inspection & Compliance Platform

Overview

VisualEYE connects to IP cameras and automates scheduled visual inspections for safety, compliance, and operations. It turns snapshots into structured decisions, visual evidence, alerts, and audit-ready reports.



HELMET



VEST



MASK



EXTINGUISHER



FIRST AID



HAIR NET

Why VisualEYE

Automate Inspections

Reduce manual checking by running visual inspections on fixed schedules per camera.

Detect Non-Compliance

Identify failed checks and operational exceptions with clear Yes/No decisions.

Keep Visual Evidence

Store snapshots, overlays, event history, and reports for audits and follow-up.

Core Capabilities

Capture & Orchestration

Time-based automated snapshot capture per camera.
Focused region-of-interest analytics per scene.
Multi-camera and centralized control.

AI Decision Engine

Structured visual inspection prompts.
Yes/No compliance outcomes with evidence.
Optional descriptive scene analysis.

Dashboard & Reporting

Compliance Command Center KPIs.
Event history for failed and successful checks.
Audit-ready visual reporting.

Administration & Control

Camera setup and checklist configuration.
Unlimited query configuration per camera.
Granular user roles and permissions.

How It Works

- 1

Connect

➤

2

Configure

➤

3

Analyze

➤

4

Decide

➤

5

Report
- Add cameras and define capture frequency.

Create prompts, checklists, and ROIs.

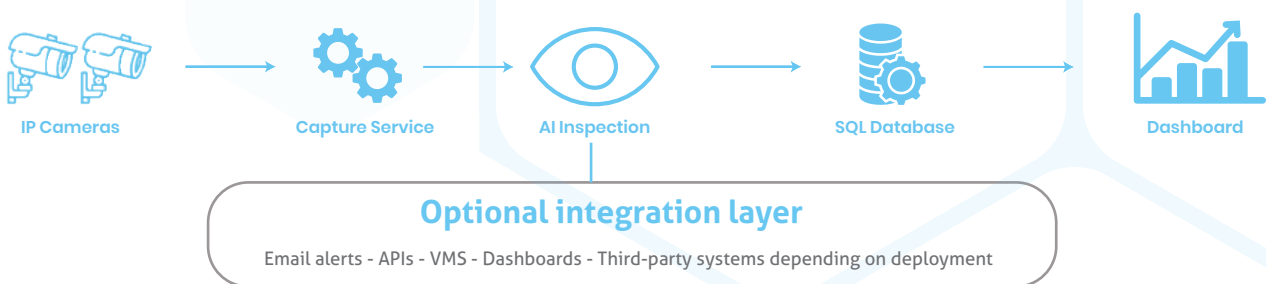
AI evaluates snapshots against rules.

Generate pass/fail outputs.

Alert, review history, and export evidence.

Example prompt: Are all people in the selected area wearing protective helmets?

VisualEYE System Architecture



System Component	Description
IP Cameras / VMS	Capture snapshots or frames from existing visual sources.
Capture Service	Schedules retrieval and manages camera communications.
AI Inspection	Applies prompts and inspection logic to each image.
SQL Database	Stores criteria, outputs, events, and evidence.
Dashboard	Displays KPUs, alerts, history, and reports.

For the 3rd party integration list send an email to sales@systeminence.com

Command Center View



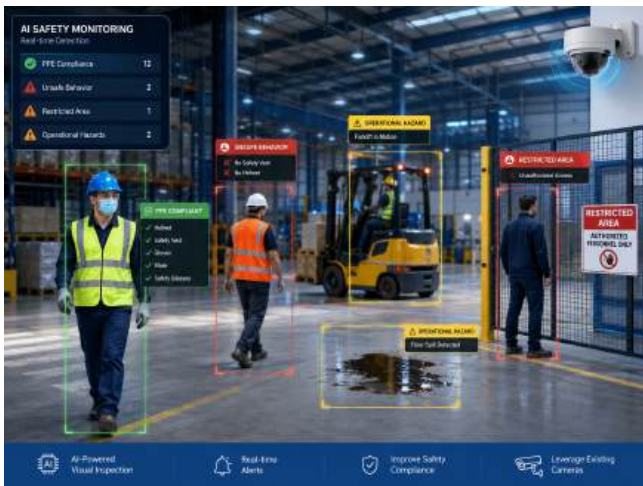
Key Outputs

- Compliance status per check
- Snapshot and visual proof overlay
- Event history and audit trail
- Alerts for failed inspections
- KPI dashboards and report exports
- Configurable prompts and inspection rules

Business Benefits

- Reduce manual inspection workload across multiple sites.
- Standardise compliance rules across departments and locations.
- Detect non-compliance faster using existing camera infrastructure.
- Maintain visual evidence for every failed check and investigation.
- Support safety, audit, and operational reporting from one dashboard.

Typical Use Cases



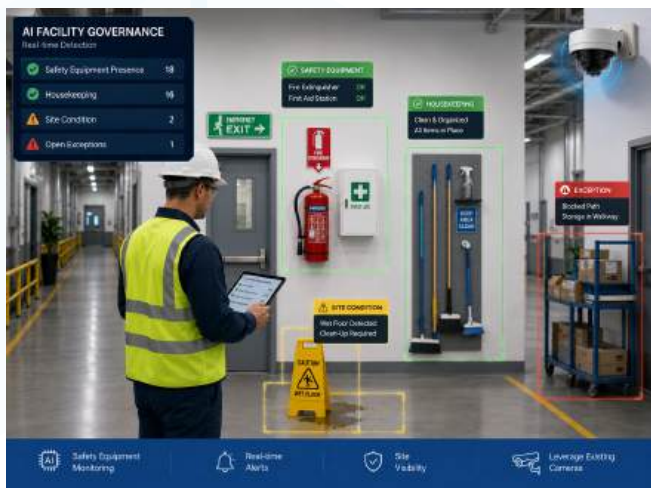
Workplace Safety

VisualEYE automates visual safety checks across workplaces using existing IP cameras. It can verify PPE usage, detect people within restricted or hazardous areas, and identify visible unsafe conditions. Non-compliant events are recorded with visual evidence, enabling safety teams to investigate incidents and take corrective action more quickly.

Food & Hygiene

VisualEYE supports automated hygiene and process-compliance checks in food preparation, handling, and production areas. It can verify protective clothing, workstation cleanliness, housekeeping conditions, and adherence to defined operating procedures, helping teams maintain consistent hygiene standards across locations.





Facility Governance

VisualEYE helps facility teams monitor safety equipment, housekeeping standards, access conditions, and the general condition of operational areas. Detected exceptions can be documented with images, timestamps, and inspection results, providing a consistent record for operational reviews and audits.

Retail Operations

VisualEYE enables automated visual checks across branches, service counters, storage areas, and customer-facing spaces. It can identify conditions such as blocked walkways, misplaced objects, unattended service points, queue concerns, or deviations from approved store layouts and operating standards.



Smart Infrastructure

VisualEYE provides remote visual inspection of critical infrastructure, distributed assets, and difficult-to-access locations. It can detect visible anomalies, unauthorized presence, access obstructions, and environmental conditions, improving situational awareness while reducing dependency on routine manual inspections.



Quality Inspection Support

VisualEYE supports configurable visual checks for packaging, labels, seals, product presentation, and other visible quality criteria. Inspection decisions can be retained with visual evidence, making quality reviews more consistent, traceable, and easier to verify. For specialized production-line defect detection and measurement, VisualEYE can be complemented by dedicated computer-vision models.

About Systeminence

Systeminence is a software development company that specializes in designing, developing, and executing Computer Vision and software integration solutions for the security industry. We employ an agile and flexible software development approach to assist you in saving time when dealing with mission-critical situations and simplifying your day-to-day tasks, thereby making your business processes more intuitive, connected, and integrated.