



VUNex NVR
VUNex AI
VUNex MLOps
VUNex FR
VUNex AC
VUNex Mobile



Retail

Video Surveillance	Access Control
Attendance Management	Theft Analysis
Fallen	Re-ID
Intrusion/Loitering	Situation Sharing
Abnormal Sign	Autotraining
Remote Control	Events

Industry

Video Surveillance	Restricted Areas
Push-to-talk Apps	Fire Analysis
Dangerous Behavior	Smoke Detection
Crash Analysis	Import/Export
Safety Gear Detection	Remote Control
Power Control	Autotraining

Building

Video Surveillance	Access Control
Fire Analysis	IoT Integration
Re-ID	License Plate Recognition
Intrusion/Loitering	Remote Control
Situation sharing	EV Integration
Broadcast Integration	Lighting Control

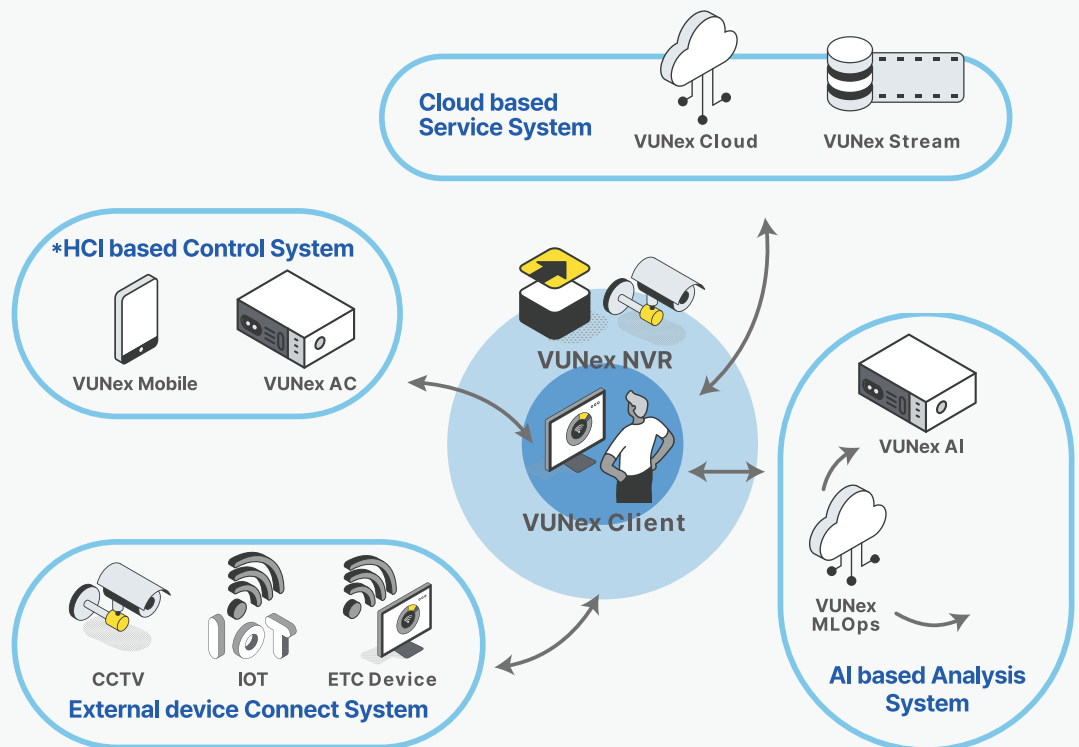
SMB

Video Surveillance	Restricted Areas
Push-to-talk Apps	Fallen
Intrusion/Loitering	Re-ID
IoT Integration	Broadcast Integration
Data BI	Situation Sharing
Events	Autotraining

Video Surveillance

- Video management and recording
- Real-time event monitoring

A unified security platform powered by an edge-based operation server, provides seamless integration of video surveillance, AI-powered analytics, access control, and IoT devices. VUNex NVR provides intelligent monitoring and SOP-driven (Standard Operating Procedure) automated response services, leveraging advanced AI and IoT technologies.



* HCI(Human Computer Interaction)

Features

Seamless Integration with Multiple Devices

- Compatible with legacy systems, supporting CCTV, IoT devices, AI edge servers, and more

Rapid Response

- Instantly access critical incidents with real-time alerts

Scalable Edge Architecture

- Supports 4, 8, and 16 channels with edge servers, featuring a modular and scalable design
- * Server-based configurations available for 32 channels and above

Comprehensive Event Management & SOP Integration

- Provides SOP-based automated event response, real-time event analysis reports, and actionable insights

High-level Security & Reliability

- Offers centralized security policy management, redundancy, and secured data backup

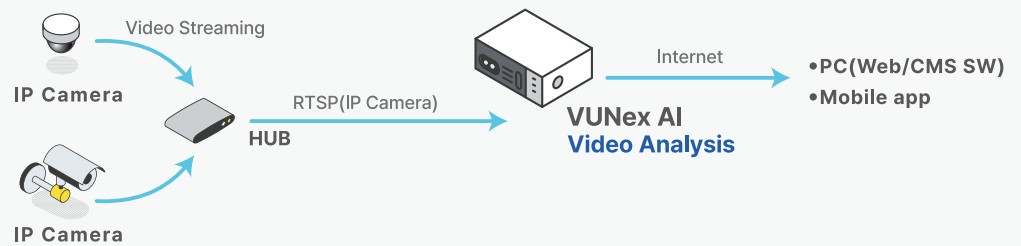
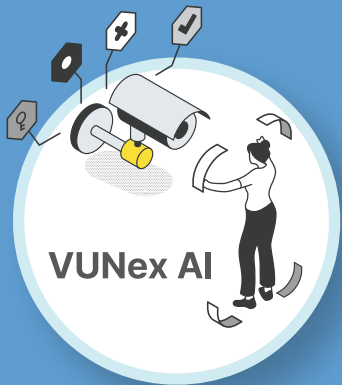
MAP-based control UI

- Enables event monitoring and video analysis with location-based visualization on interactive maps

Video Analysis

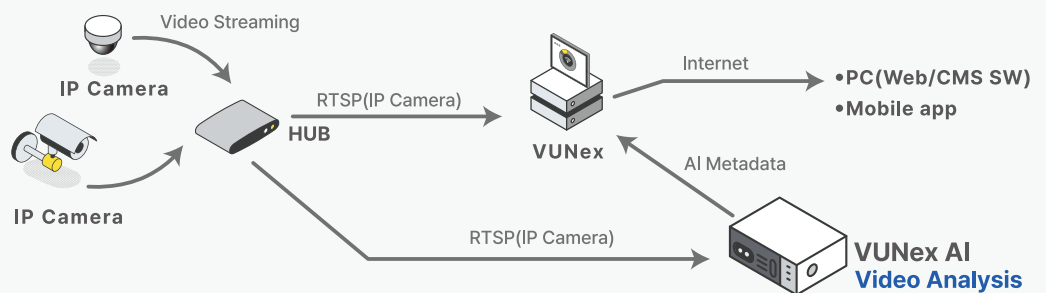
- Object recognition and behavior analysis
- AI MLOps optimization for purpose-driven applications

A high-performance edge-based platform designed for real-time video analysis, enabling efficient surveillance and monitoring. Advanced deep learning-powered video analytics with adaptive modes deliver optimized solutions for diverse industrial environments, supporting up to 16 channel analysis.



IP Camera > VUNex AI

IP Camera > VUNexAI > VUNex



Features

High-performance Edge Video Analysis

- Mini Edge: Supports 4 channel analysis and event transmission
- PRO Edge: Supports 8 channel and 16 channel analysis and event transmission

Optimized Network Efficiency

- Minimizes traffic consumption by transmitting data only upon event detection, reducing operating costs

Seamless Camera Compatibility

- Supports RTSP-based video sources and ONVIF (Planned)

Metadata-Driven Decision Making

- Enhances operational intelligence through metadata integration, supporting data-driven decision-making in various business environments

Flexible Connectivity

- Provides versatile integration with support for REST API, MQTT, and various other protocols

Deep Learning-Powered Analysis Engine

- Enables detailed event detection, handling both simple events and complex scenarios with precision

Object Analysis

Intrusion

Loitering

Line Crossing

Counting

Prolonged stop

Clusters

Theft

Abandonment Trash

Fallen

Violence

LPR

Falling objects

Reverse Driving

Eye-Tracking analysis

Re-ID

Fire

Smoke

Attribute

Safety gear detection

* The analysis function can be combined in various ways but there may be limitations on simultaneous analysis due to hardware performance issues

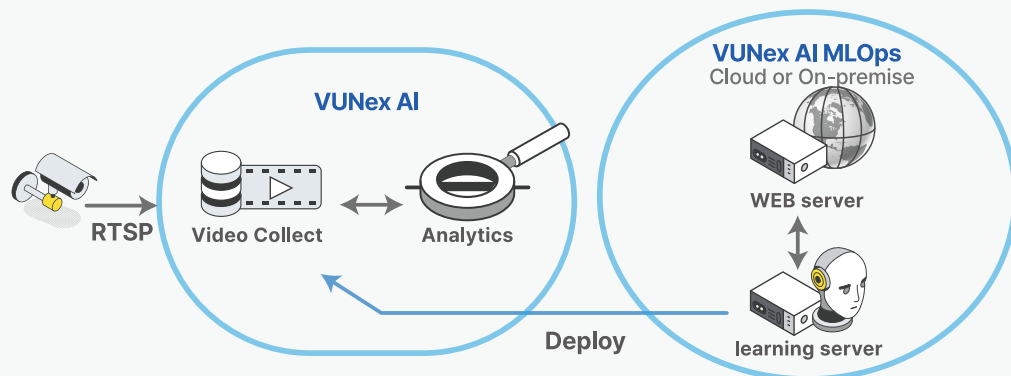


Features

AI Automation

- Upgrading an existing AI model
- Create a new AI model

An MLOps(Machine Learning Operations) solution that manages entire AI components. It covers data preparation, AI training, model management, model deployments, and dashboard pages for comparison among the trained AI models.



Automation of learning data generation

- Increased efficiency of human resources through automation with automatic labeling and new object tracking functions

Automatic labeling

- Automating labeling and adding new classes through a high-performance pre-trained model

Automated GPU Resource Allocation

- GPU resources are automatically allocated for efficiency through intelligent orchestration

*Availability may vary depending on the hardware and environments

Adaptive AI models by industry

- Directly learn desired objects in various industrial environments such as factories, logistics, transportation and security

Model comparison dashboard

- Simultaneously display pre- and post-learning videos on the dashboard to track history and choose the best model

AI-assisted data validation

- Improves automatic labeling validation with advanced editing tools and AI-assisted labeling for new objects

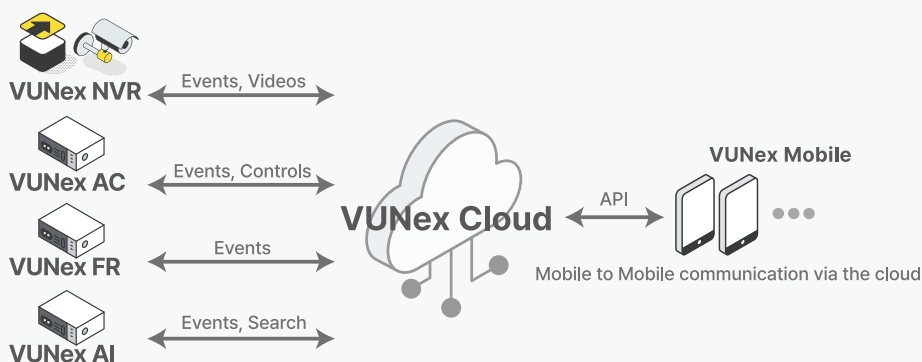


Features

Sharing Situation

- Walkie-talkie communication with automatic translation support
- Situation transmission and system control

New communication tools based on video surveillance systems that can be applied to a variety of fields. provide situation transmission and voice system control services to users grouped by events and videos identified through AI video surveillance.



Push-to-Talk-based communication

- Switching between voice transmission and reception mode using the PTT button

Voice command-based real-time control

- Supports real-time control function with voice commands on mobile devices

Chat-based communication

- Both voice conversation and text input are saved as chat records to support real-time communication
- Real-time translation of all conversations into various languages

Various operating environments

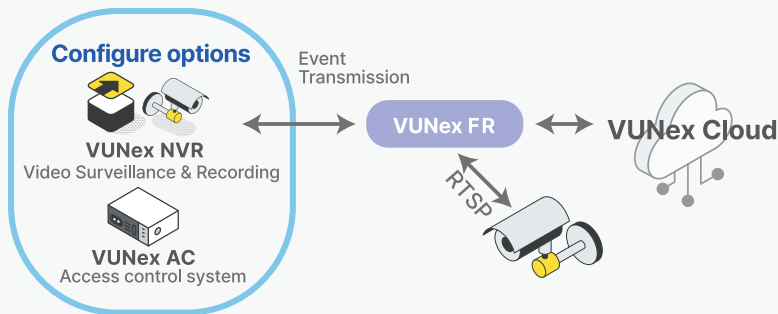
- Supports Android and provides iOS/Web (planned) Multi-platform operating environment

Facial Recognition

•Identifying objects based on facial recognition

•Small/Light Face Recognition Devices

A solution that realizes safe and convenient user management and provides stable and efficient face recognition in various environments. provide an excellent security and convenience to customers through innovative use of facial recognition technology. stand-alone Type, Extensibility of Cascade Form.



VUNex FR

Features

Provide various connections and expandability

- Connection up to six cameras simultaneously to detect faces from multiple angles and locations
- Providing a linkage and expandability with existing systems

Provide service reliability and convenience

- Providing UI/UX of system settings and monitoring functions through web browsers
- Provide security and convenience through cloud-based external API linkage

Precise facial recognition algorithms

- Real-time analysis of camera footage using a precise facial recognition algorithm

Facial recognition settings

- Set the facial recognition reliability value, detection size, matching sensitivity, similarity and display of matching result quantity
- Set the facial analysis frame interval and same facere-detection time

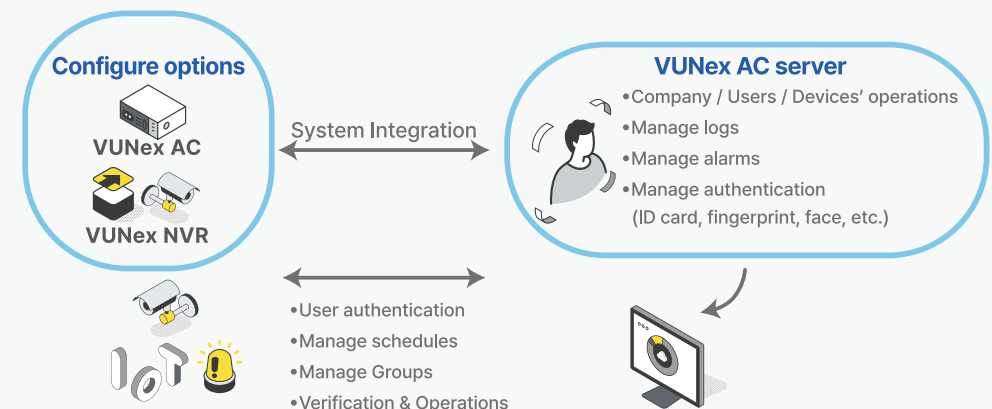
Real-time dashboards

- Real-time camera image analysis to recognize users and display analysis results
- Displays a local map of the location where the camera is installed

Access Control

•Analysis of abnormal signs in access terminal management

A highly scalable facial recognition access control solution that works with other services. provide remote control services with a non-face-to-face access control solution based on facial recognition.



VUNex AC

Features

Operation management of access control

- Providing convenient access control and management services
- Facial recognition and time stamp of visitors

Abnormal sign management

- Check all signs of abnormal entry and facial expressions of users

Real-time dashboards

- Display various events occurred in the access zone

User health management

- Verification of visitors wearing masks
- Contact person report for the same area and time zone

Flexibility for advancement

- Integration with wide range of devices and services through APIs



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