SECURITY PLUS

Intelligent Video-based Security Platform for Mission Critical Systems

Core Security System

+ Real Time

+ Intelligence

+ Integration

+ Reliability

SECURITY PLUS

INTRODUCTION

ACTi Security Plus is an end-to-end security platform designed for highly critical systems.

The modern concept of security system combines **real-time** information management with **intelligent** and automated features for immediate incident handling. It is able to interact not only with the surveillance system, but also any other **integrated** systems around it which have relevance to security management. Either large or small scale, the systems have to be highly reliable. ACTi Security Plus contains the automated services that ensure the system **reliability**.

CONTENTS

CORE SECURITY SYSTEM

The solid foundation of the security platform that connects everything

Challenges

Large-scale or Multi-site Installation

Central Management System can manage unlimited NVRs and Cameras, no matter if on different floors or different continents.

Investigation of Criminal Activities

Thoroughly monitor your premises and record clear evidence to minimize the chances of crime.
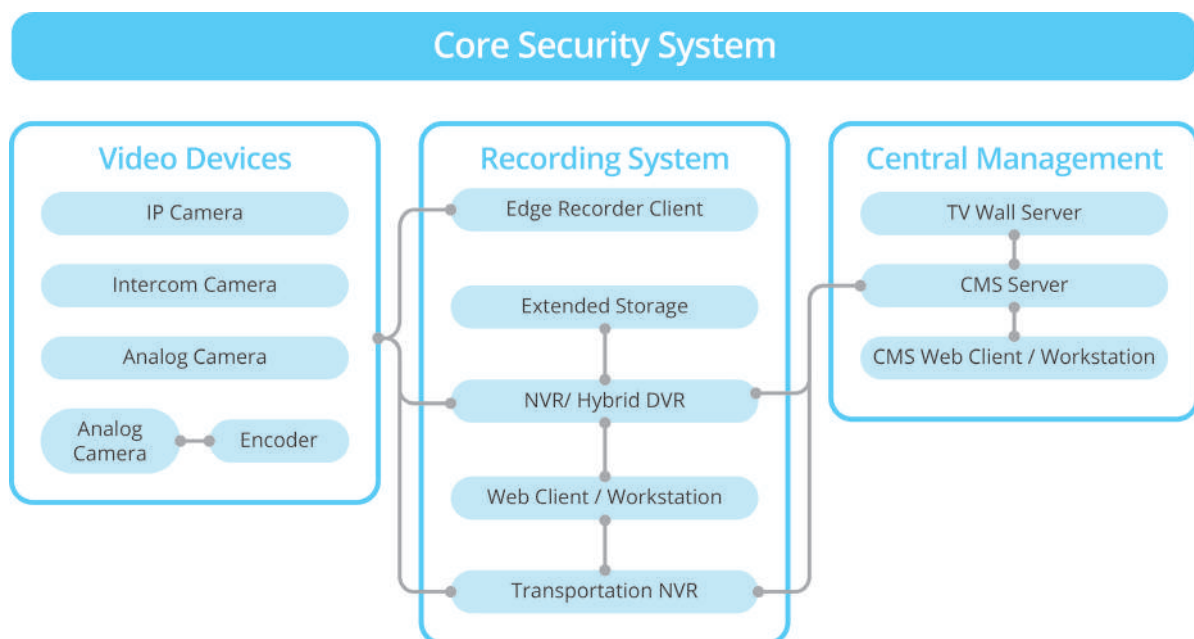
Discreet Monitoring

A covert camera installed at the face level can always see the face without being noticed.

Mobile Vehicles and Rolling Stock

The Transportation NVRs can record high-quality video and automatically offload the video to the data center.

Solution Diagram

Core Security System

Video Devices
- IP Camera
- Intercom Camera
- Analog Camera
- Analog Camera — Encoder

Recording System
- Edge Recorder Client
- Extended Storage
- NVR/ Hybrid DVR
- Web Client / Workstation
- Transportation NVR

Central Management
- TV Wall Server
- CMS Server
- CMS Web Client / Workstation

Products

Devices

Camera
- *Up to 20 MP and 40x zoom*
- *Clear videos with details in any lighting condition*
- ***Location Adaptive Cameras*** *for different environments, such as corner or height strip installation*
- ***Application Cameras*** *for special purposes, such as discreet monitoring and intercom*

Encoder
- *Up to 16 channels supported*
- *Industrial grade design able to withstand extreme environments*

NVR
- *High definition live view with customized layouts*
- *Combining surveillance video and customized content using embedded websites*
- ***Standalone NVRs*** *with up to 256 channels supported*
- *Vibration-proof **Transportation Standalone NVRs** with up to 32 channels supported*
- *Powerful **Software NVR 3** in two editions (Corporate and Business)*

Extended Storage
- *12-bay storage system available for large-scale projects*
- *iSCSI, eSATA supported*

Servers and Application Software

Edge Recorder Client
- *Accessing videos stored on cameras' or encoders' local storage*
- *Up to 144 channels supported*

Central Management System (CMS) Server and Client
- *Map-based site management*
- *User-friendly interface of **CMS Web Client** and **Workstation** to configure NVR or **CMS servers***
- *Video **TV wall** display for group viewing*

REAL TIME

Instant delivery of critical information to any device, anywhere

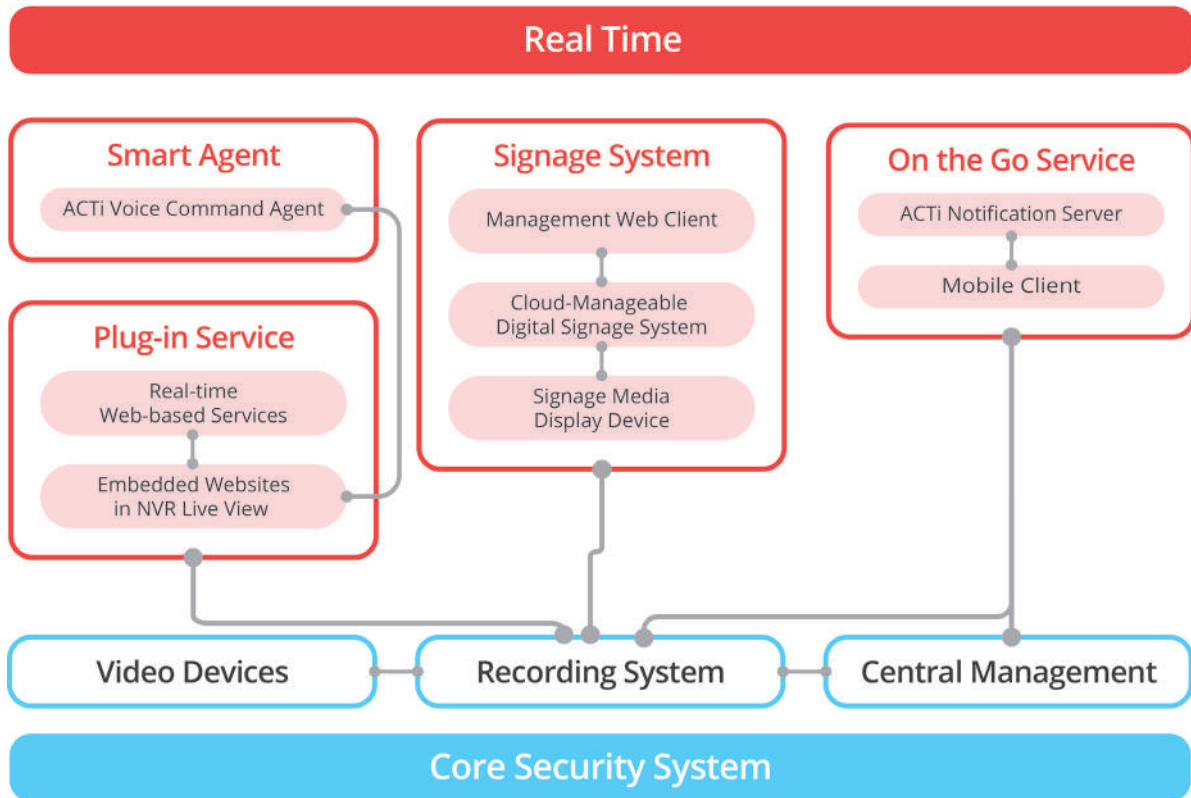## Challenges

Theft Prevention

Public display of live surveillance video can effectively deter people from stealing.

Remote Monitoring

Upon incident occurrence, the security guard or manager can be notified immediately for remote verification with mobile devices.

Solution Diagram

Products

Devices

Signage Media Display Device
- *Surveillance live video, prerecorded video, text, images*
- *Unlimited number of devices supported*
- *Cloud-manageable from any location using web browsers*

Servers and Application Software

ACTi Notification Server
- *Receive instant pop-up notifications from NVR 3, even when the phone is in standby mode*

Mobile Client
- *Access to multiple cameras, NVRs and CMS servers*
- *Integrate with network devices, such as alarms, locks or electric gates*
- *Live video push from mobile device's camera to NVR*

Plug-in Service
- *NVR and CMS live view layouts can contain external web pages with interactive content for efficient real time works.*
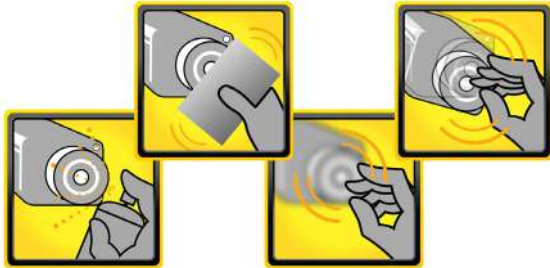
ACTi Voice Command Agent
- *Instantly control security equipment such as PTZ cameras or TV Wall with your voice*
- *Verbally operate building automation systems, parking lot gates and other physical devices*
- *Receive voice-based security alerts*

INTELLIGENCE

Hands-free smart system that handles the incidents automatically

Challenges

Camera Tampering Detection

The surveillance system can detect unauthorized manipulations of the camera, and immediately alert the control center.

Blacklisted Car Recognition

ACTi ALPR solution can distinguish between black and white listed cars, and perform a predefined action.

Illicit Activities Detection

The surveillance system can detect the theft and alert the control center.
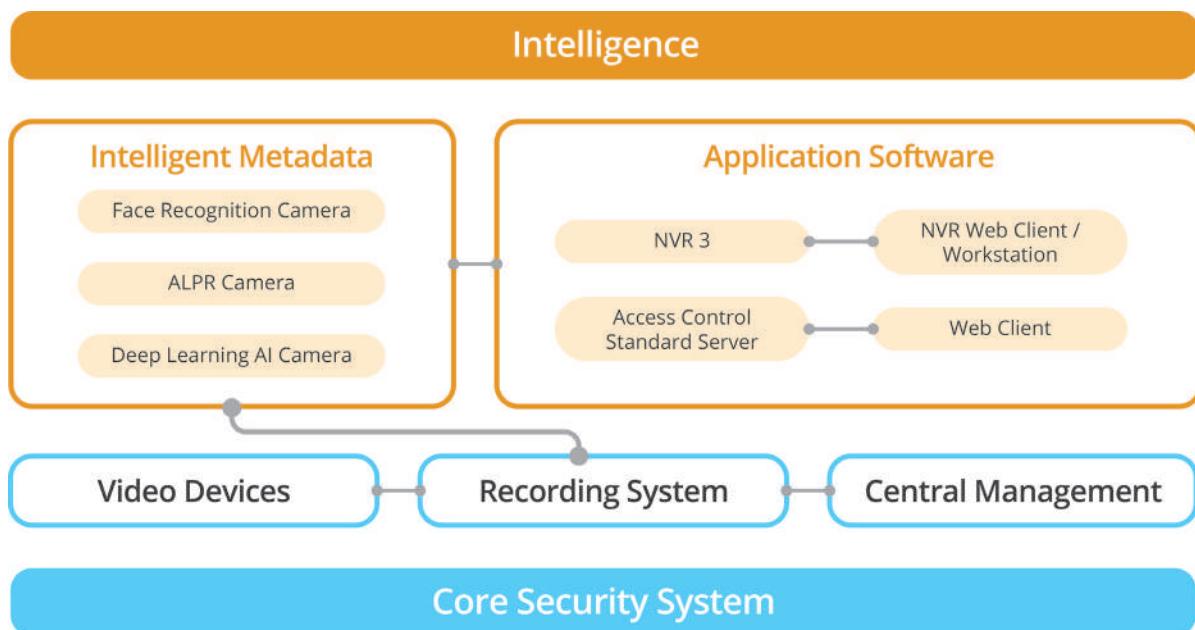
Black-listed Face Recognition

Prevent the entry of the unwelcomed individuals to the premises by recognizing their faces.

Solution Diagram

Products

Devices

Deep Learning AI Cameras

- *Cameras with built-in deep learning based analytics, including face recognition and ALPR.*

Servers and Application Software

NVR 3 Server

- *Receive real-time analytic events from the cameras.*
- *Manage automatic responses to those events.*

CMS 2 Server

- *Receive real-time analytic events from the cameras via NVR servers.*
- *Manage automatic responses to those events.*

Access Control Standard Server

- *Use the ALPR and Face recognition features of the cameras to determine the access rights to the premises.*

INTEGRATION

Security beyond surveillance system

Challenges

Unauthorized Access Prevention

Prevent the loss resulting from identity fraud with video proof and entry log at the same time.

Tackling Employee Theft

Prevent profit loss resulting from special transactions with video proof along with transaction data.

Map-based Central Management

Know each vehicle's location for real-time tracking with GPS.

Incident Notification Alert

Alert the control center upon incidents via the alarm button.

Solution Diagram

Products

Integrated Solution

Access Control System Integration
- *Utilizing ACTi Deep Learning Analytics technology to detect tailing and other abnormal events automatically.*
- *Immediate alert of unauthorized and exceptional entry*
- *Integrating with ACTi Intercom Management System*

POS System Integration
- *Combining POS system data and video from the cashier area*
- *Video verification of abnormal transactions*
- *Real-time notifications to the control center and mobile devices*

Positioning System Integration
- *Tracking fleet of taxis, buses, trucks and more*
- *Position monitoring of people and objects in indoor areas*
- *Map-based view for location-aware management*

Alarm System Integration
- *Real-time notification of break-ins*
- *Video verifications of alarm events*

IoT Integration
- *Controlling your surveillance devices, such as audio devices, pressure and temperature sensors, via internet*

Active Directory Integration
- *Accessing NVR, CMS and other related systems with a single account*
- *Centrally managing and terminating permissions of users*

RELIABILITY

Redundancy and watchdog systems to prevent data and service failures

Challenges

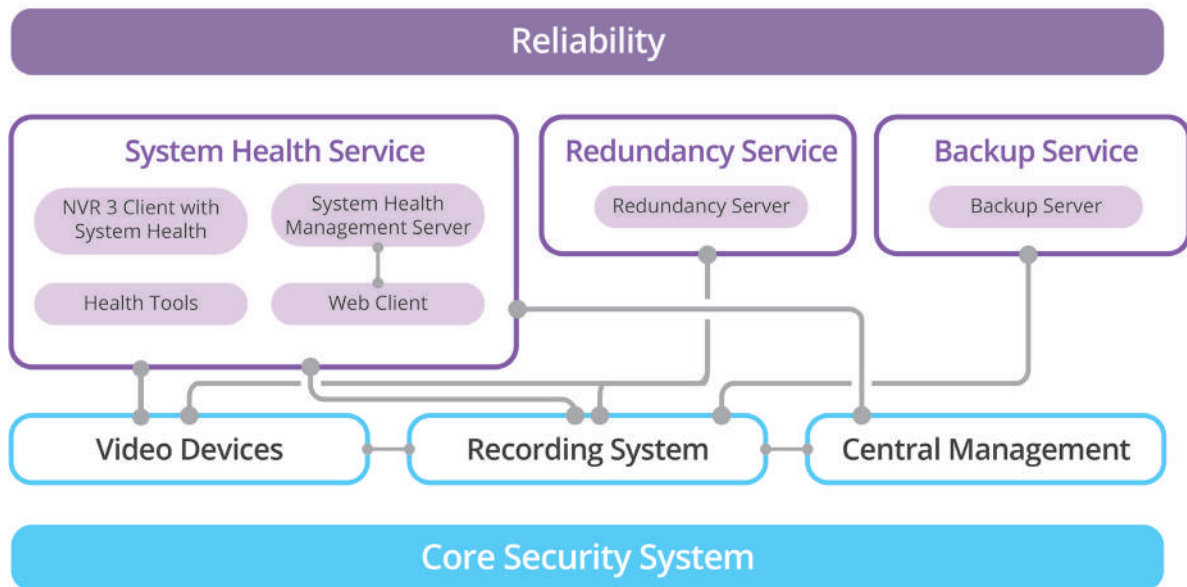### Video Evidence Assurance

Prevent missing video evidence due to external factors with redundancy service.

Health Status of the Surveillance Systems

Monitor the status and responsiveness of the whole system, and give the real-time notification.

Solution Diagram

Products

Servers and Application Software

Backup Service

- *Back up important video recordings automatically.*

Redundancy Service

- *Standby NVR ready to temporarily replace any other NVR in the network upon any interruption*
- *Synchronizing the information with original NVR upon recovery*

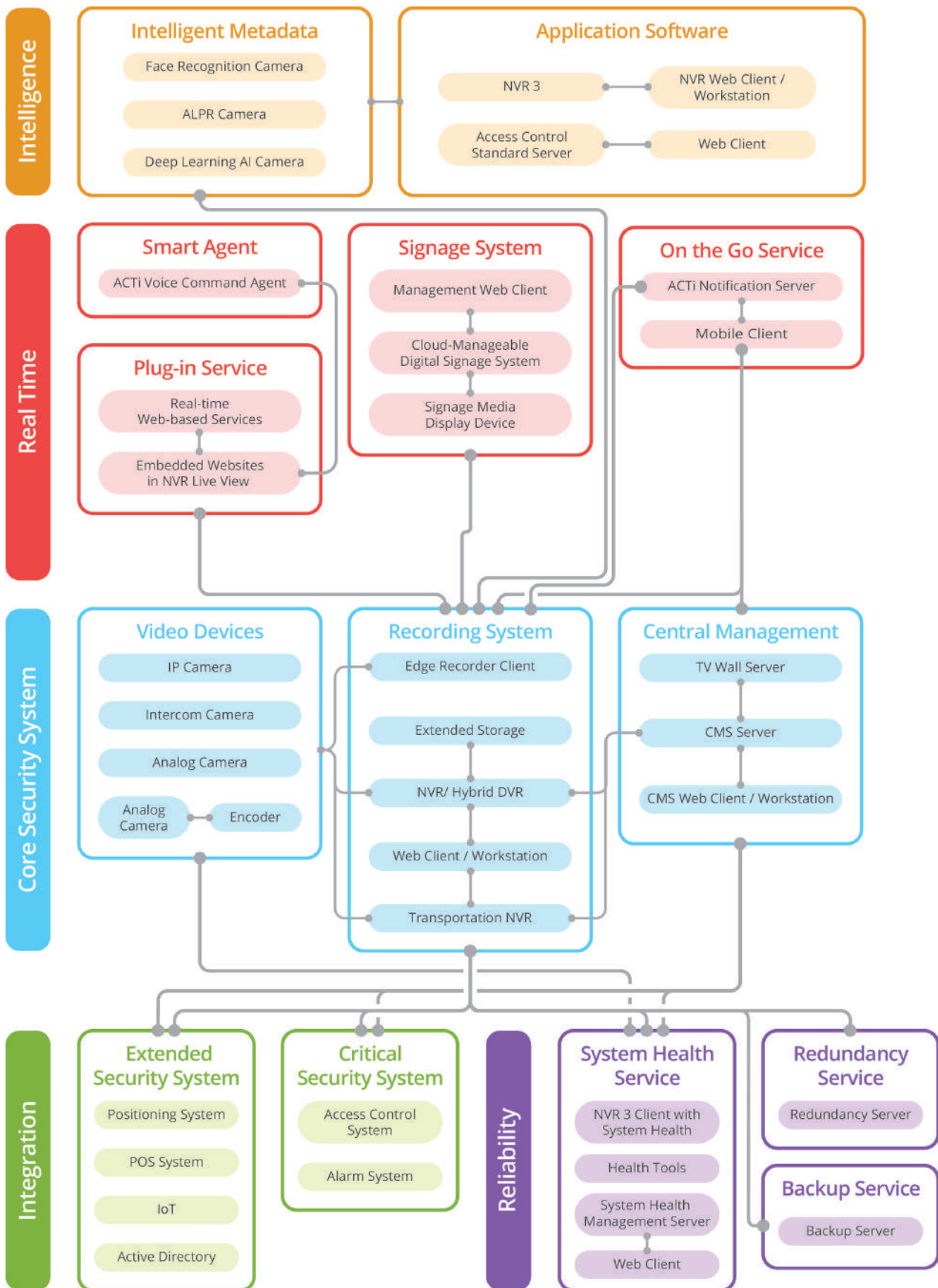### System Health Management Service

- *Monitor the health of all the cameras, encoders, NVR, CMS, TV Wall from a single dashboard.*
- *Track the handling of the health management tasks.*

Built-in System Health Management in VMS

- *Monitor the system status and get instant alerts regarding the system performance, including CPU load, memory, disks, and more.*

SECURITY PLUS COMPLETE SOLUTION

All systems of ACTi Security Plus combined into a complete solution diagram

8 REASONS TO USE ACTI SECURITY PLUS

| Real Time | Intelligence | Integration | Reliability |

1. Save labor cost by automated intelligence-based surveillance. ●

2. Notify security employee of all incidents to reduce the risk of neglection. ●

3. Detect special-case events by defining custom rules based on multiple conditions. ● ● ●

4. Handle the situations on the go by using mobile devices with full capability of decision functions. ●

5. Solve the emergencies in crowded premises by sending notifications via public display monitors and handheld devices. ●

6. Save valuable time in emergencies by bringing multiple systems into a single user interface. ●

7. Increase the accuracy of access control and other critical systems by combining them with smart video surveillance. ● ● ●

8. Prevent surveillance system failure resulting from external factors with redundancy and watchdog services. ●

ACTi, YOUR BEST PARTNER IN SECURITY MANAGEMENT

ACTi Corporation, founded in 2003, stands as a Taiwan-based global leader providing end-to-end solutions for physical security. As a premier surveillance systems manufacturer, ACTi offers a comprehensive array of video surveillance products, including IP cameras, analog cameras, network video recorders, hybrid DVR, and mobile applications.

The Access Control system manages people and vehicle access using RFID, fingerprint, face recognition, and ALPR. The Control Center employs a Central Management System for large projects, scalable to unlimited channels. System Management ensures high reliability through redundancy, backup systems, and real-time device monitoring. Integration capabilities extend to various servers, devices, sensors, and IoT devices, providing a unified interface for streamlined event handling.

The AI-enabled solution platform incorporates deep learning AI cameras for precise incident monitoring and optimized labor costs.

ACTi's vision revolves around delivering evolving benefits, including clear video, accessible and secure video management, AI-assisted understanding of video content, and AI-driven decision support. With over 20 years of industry experience, ACTi serves customers in 100+ countries, offering compliant and adaptable solutions tailored to diverse security requirements and vertical markets.

Secure your site and maximize incident management efficiency with ACTi now!

ACTi
Connecting Vision

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