

# SECURITY PLUS

Intelligent Video-based Security Platform for Mission Critical Systems

## Core Security System

- + Real Time
- + Intelligence
- + Integration
- + Reliability

REAL TIME

INTELLIGENCE

**SECURITY** 

RELIABILITY

INTEGRATION

# SECURITY PLUS

## INTRODUCTION

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**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**.







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# CORE SECURITY SYSTEM

The solid foundation of the security platform that connects everything

## Challenges

### Large-Scale or Multi-Site Installation



CMS can centrally 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



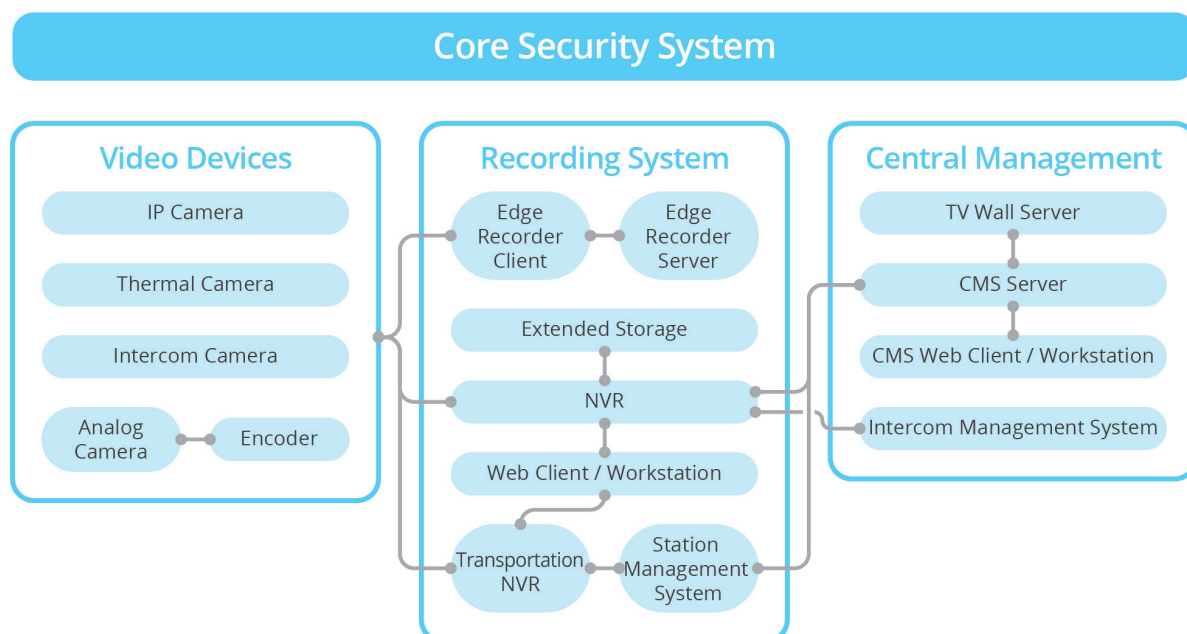
A covert camera installed at the face level can always see the face without being noticed.

### Mobile Vehicles and Rolling Stock



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

## Solution Diagram



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## Products

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### Devices

#### Cameras

- *Up to 12 MP resolution and 36x 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, thermal imaging and intercom

#### Encoders

- *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 200 channels supported
- *Vibration-proof **Transportation Standalone NVRs** with up to 32 channels supported*
- *Powerful **Software NVR 3** in three editions*

#### Extended Storage

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

### Servers and Application Software

#### Edge Recorder Server

- *Hosting the configuration of cameras and managing user groups*

#### Edge Recorder Client

- *Accessing videos stored on cameras' or encoders' local storage*
- *Up to 16 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*

#### Station Management System (SMS)

- *Live view streaming via 3G/4G network*
- *Automatic video offload to data center via Wi-Fi*



# REAL TIME

Instant delivery of critical information to any device, anywhere

## Challenges

### Theft Prevention



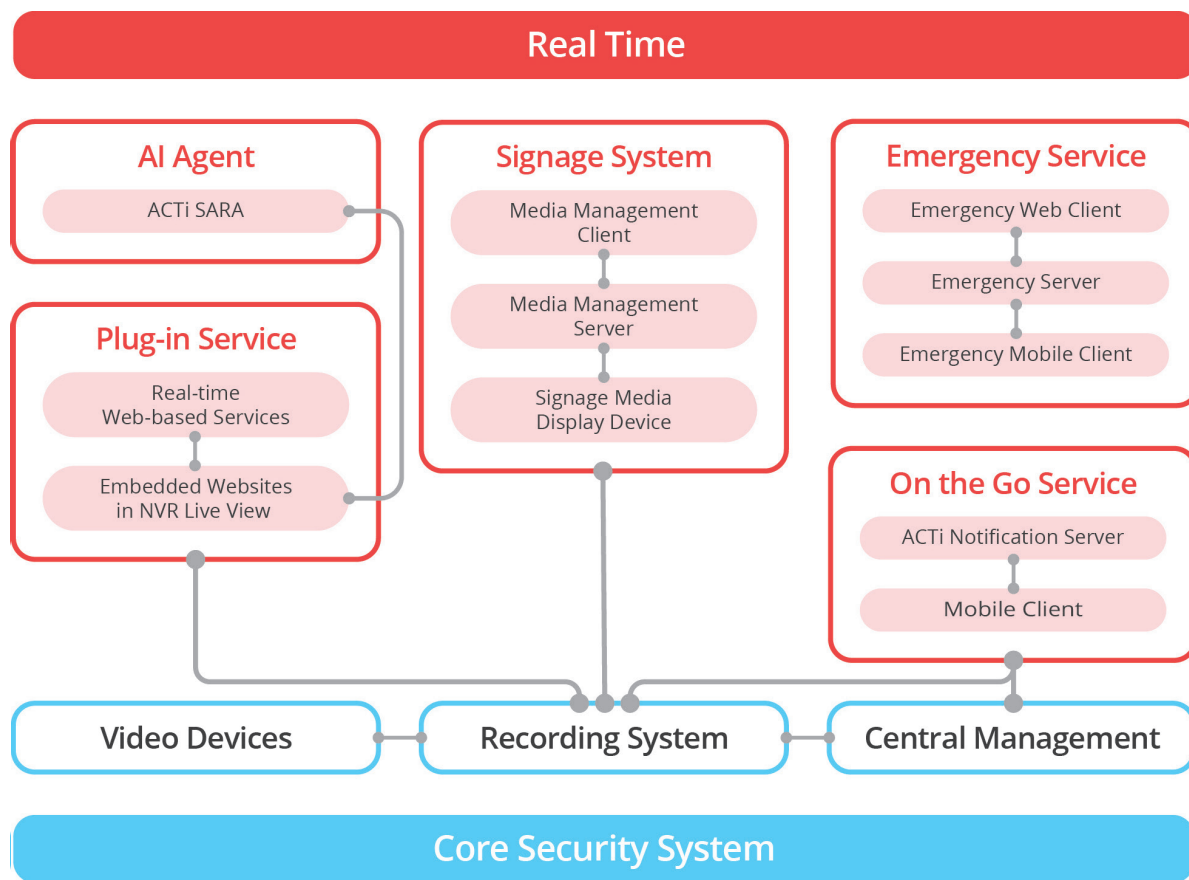
Public display of live surveillance video can effectively deter people from stealing.

### Remote Monitoring



Upon incident occurrence, the security guard or manager can be notified immediately and verify it remotely with mobile devices.

## Solution Diagram



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## Products

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### *Devices*

#### Signage Media Display Device

- *Surveillance live video, prerecorded video, text, images*
- *Up to 16 video devices supported*
- *Central control and management with **Media Management Server***

### *Servers and Application Software*

#### ACTi Notification Server

- *Receiving 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*
- *Integration with network devices, such as alarms, locks or electric gates*
- *Live video push from mobile device's camera to NVR*

#### Emergency Server and Client

- *Remotely notifying the security center about any incident*
- *Unlimited remote clients supported*

#### ACTi SARA

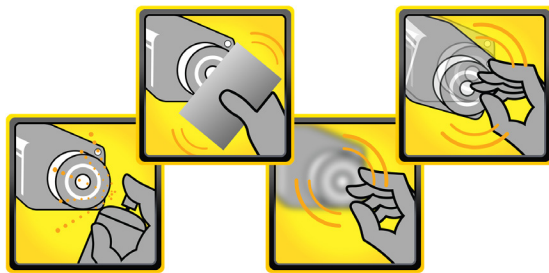
- *Instantly control security equipment such as PTZ cameras or TV Wall with your voice*
- *Verbally operate building automation systems, parking lot gates and other physical devices*
- *Receive voice-based security alerts*

# INTELLIGENCE

Hands-free smart system that handles the incidents automatically

## Challenges

### Camera Tampering Detection



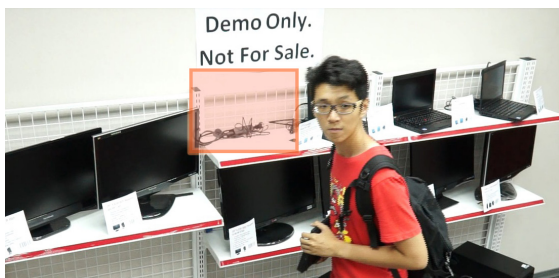
The surveillance system can detect unauthorized manipulations of the camera, and immediately alert the control center.

### Black-listed Car Recognition



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

### Illicit Activities Detection



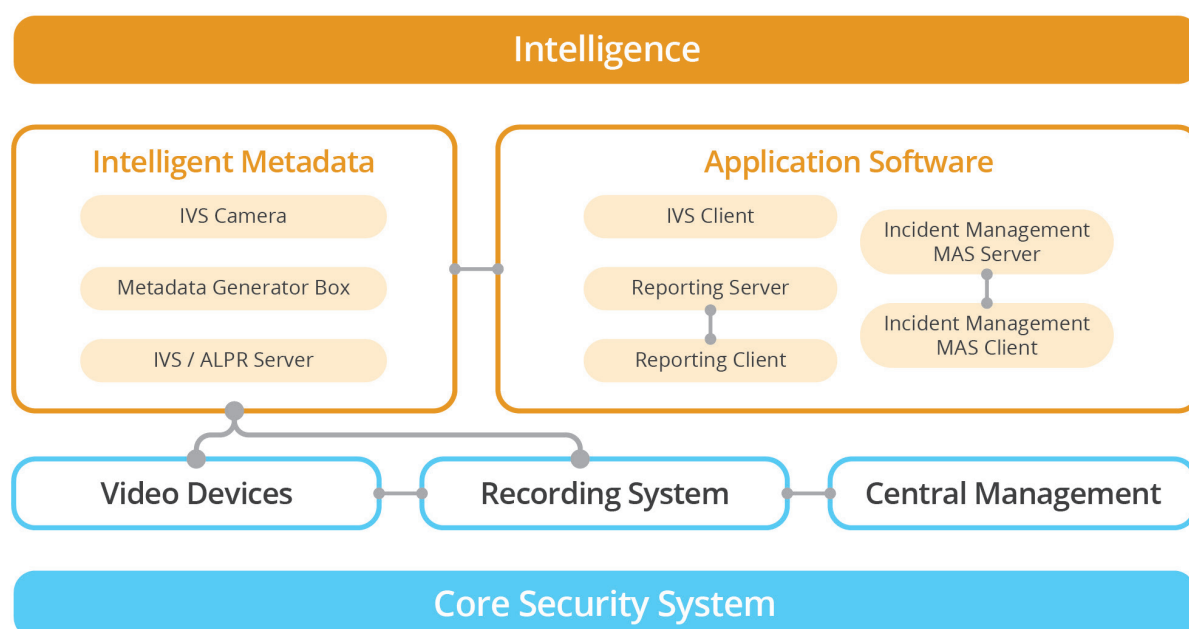
The surveillance system can detect the theft and alert the control center.

### Customized Rules and Reports (MAS)



Customized multi-conditional rules to trigger events for better security management.

## Solution Diagram





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## Products

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### *Devices*

#### IVS Cameras

- *Cameras with built-in analytics to detect and identify suspicious activities*

### *Servers and Application Software*

#### IVS Server

- *Smart algorithms such as Line Crossing, Enter Area, Missing Object, Unattended Object, Tamper, People Queue detection and more to identify various scenarios*

#### ALPR Server

- *Video-based analytics software to detect and recognize car license plates*
- *Built-in analytics, such as License Plate Recognition, Speed Estimation and Vehicle Counting*

#### IVS Client

- *Manage IVS Server or ALPR Server conveniently over the network*

#### Reporting Server and Client

- *Generating reports based on metadata from IVS Server and IVS Camera*
- *Built-in Heat Map and Dwell Time analytics*

#### Incident Management MAS Server and Client

- *Dedicated user interface to handle incidents specific to customer's organization*
- *Combine video, snapshots, voice detection, IVS events and memos into a complete incident management flow*

#### Metadata Generator Box

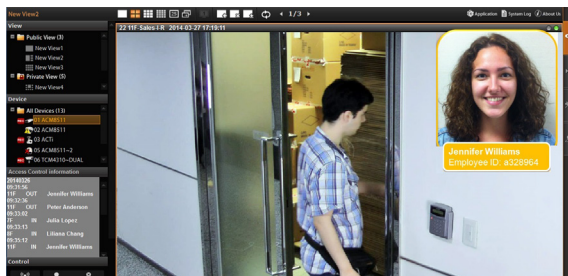
- *Machine learning-based behavior analysis*
- *Collecting and aggregating metadata from connected sources*

# INTEGRATION

Security beyond surveillance system

## Challenges

### Unauthorized Access Prevention



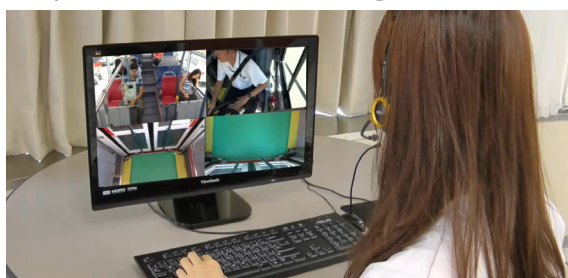
Prevent the loss resulting from identity fraud with video proof and entry log at the same time for verification.

### Tackling Employee Theft



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

### Map-based Central Management



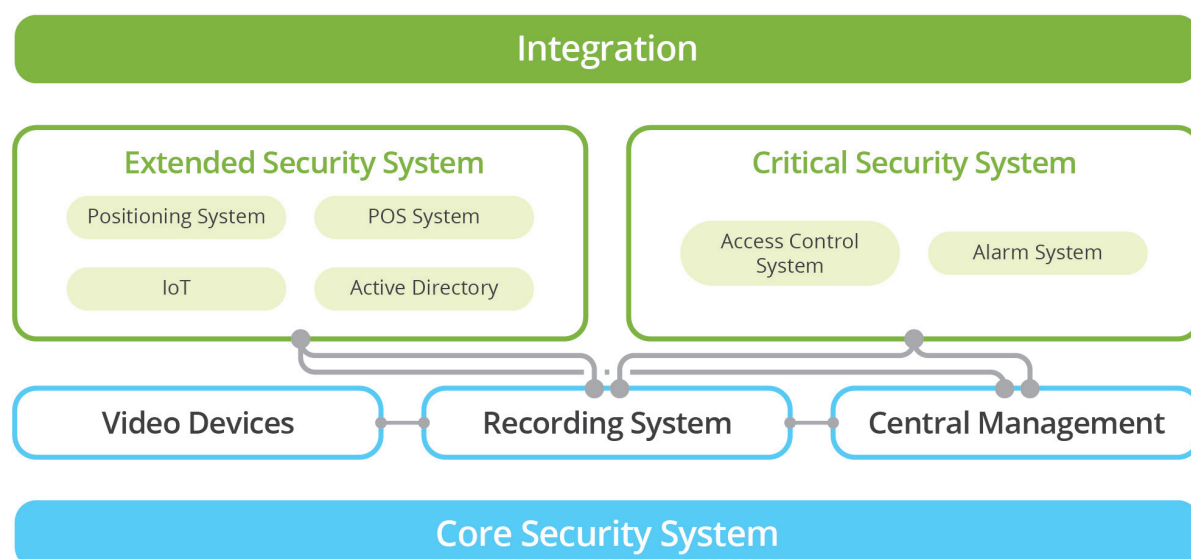
Know each vehicle's location for real-time tracking with GPS.

### Incident Notification Alert



Alert the control center upon incidents via the alarm bottom.

## Solution Diagram



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## Products

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### *Intergrated Solution*

#### Access Control System Integration

- *Utilizing ACTi IVS technology to detect tailing and other abnormal events automatically*
- *Immediate alert of unauthorized and exceptional entry*
- *Integration 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 surveillanc devices, such as audio devices, pressure and temperature sensor, via internet*

#### Active Directory Integration

- *Access to 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

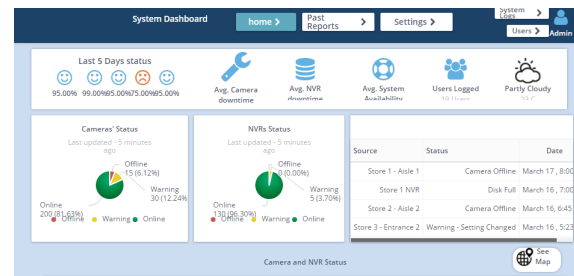
## Challenges

### Video Evidence Assurance



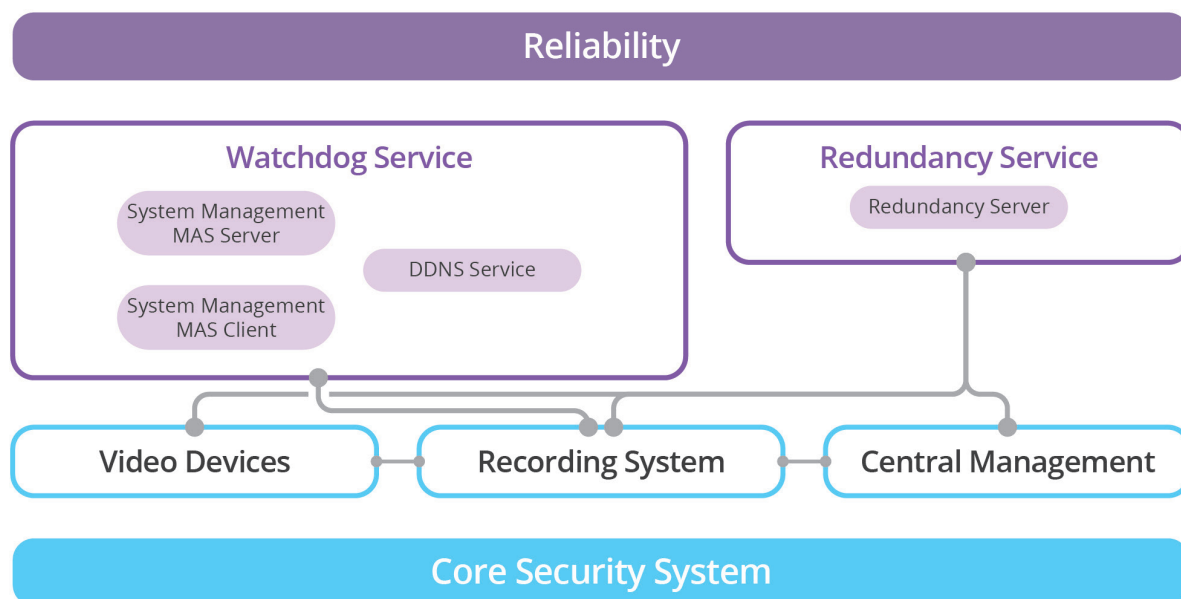
Prevent video evidence missing due to external factors with redundancy service.

### Health Status of the Surveillance Systems



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

## Solution Diagram



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## Products

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### *Servers and Application Software*

#### DDNS Service

- *Ensure that cameras with dynamic IP addresses can always be accessed by video management system*

#### Redundancy Service

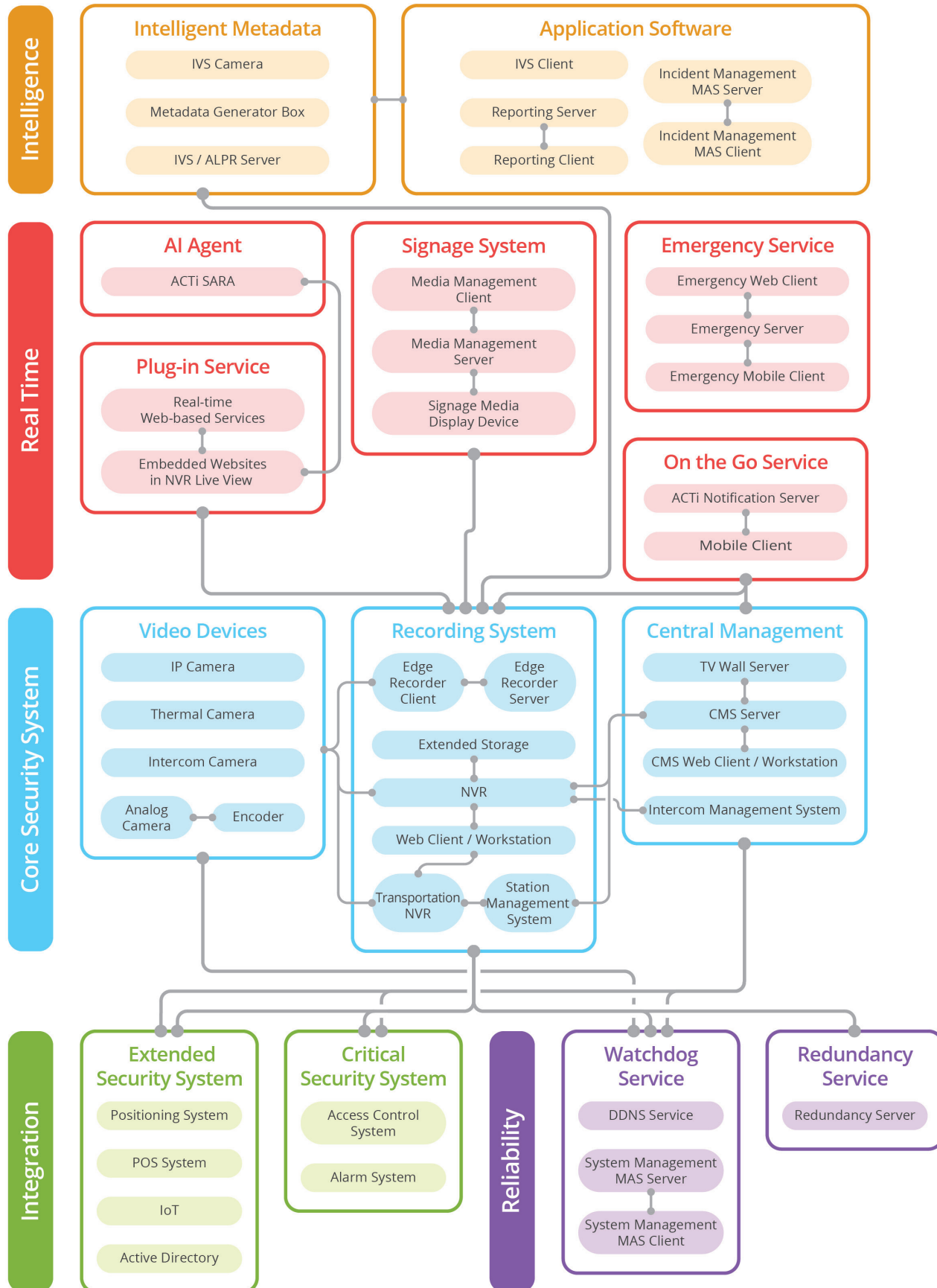
- *Standby NVR ready to temporarily replace any other NVR in the network upon any interruption*
- *Synchronizing the information with original NVR upon recovery*

#### System Management MAS Server and Client

- *Camera and IVS Server health monitoring*
- *Other devices or servers Status Monitoring Service*
- *Watchdog Report for better system management*
- *Mobile App with instant notification of failure*

# SECURITY PLUS COMPLETE SOLUTION

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





# 8 REASONS TO USE ACTI SECURITY PLUS

Core Security System

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 neglect. ●
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

As a fast growing solution provider, ACTi is dedicated to manufacturing state of the art IP video surveillance technology and providing end-to-end turnkey solutions worldwide. ACTi's powerful video analytics provide an intelligent layer of protection against vandalism and intrusion. To increase the security level of the system, ACTi solutions can be integrated with access control to prevent any unauthorized access to restricted areas. ACTi solutions can also be integrated with alarm systems to help validate and respond to triggered alarms, avoiding any unwanted loss caused by false alarms or enabling a quicker response to true emergency situations. With ALPR technology, the management of vehicular traffic entering and exiting the building will become easier and more efficient.

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



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