

ISMS™

Integrated Security Management System (CCTV VMS, Paging Service, Sensor Control, Remote Door Access Control)

Solution Overview

(Without notice, following described technical spec. can be changed)



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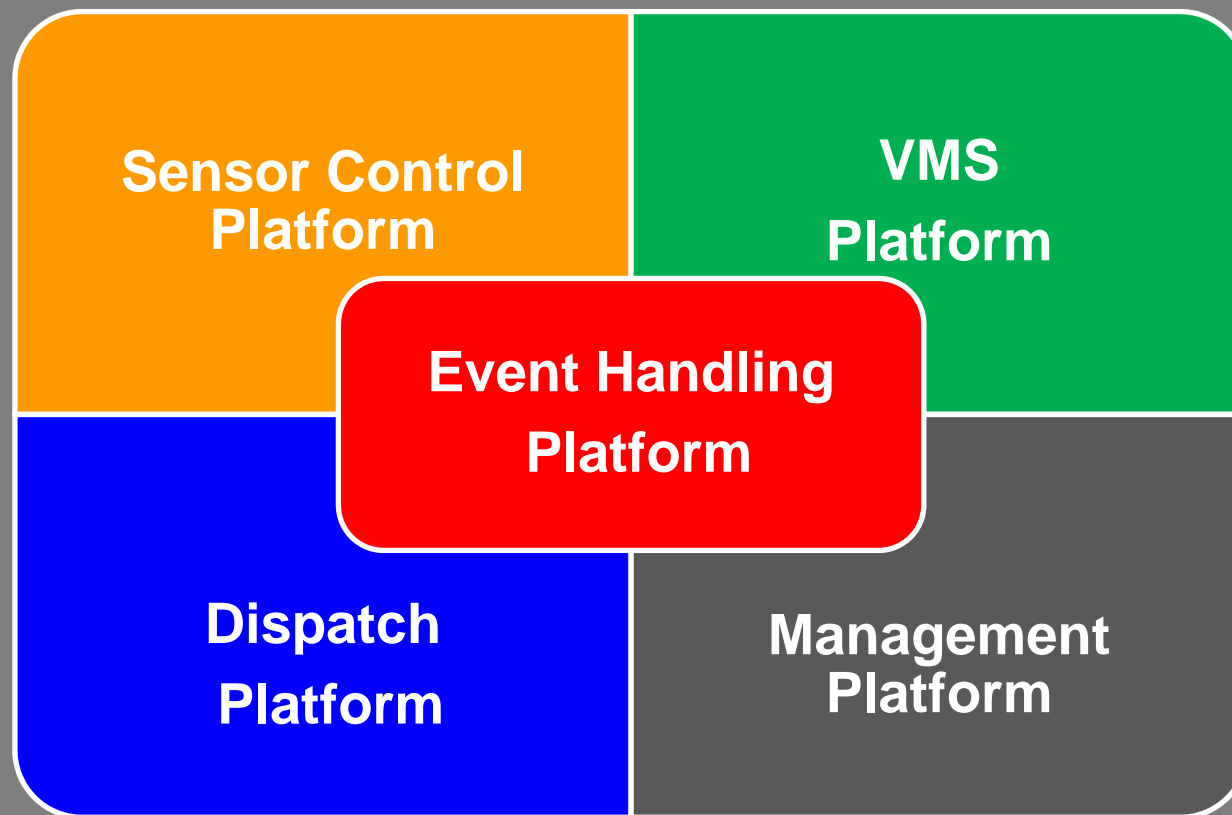
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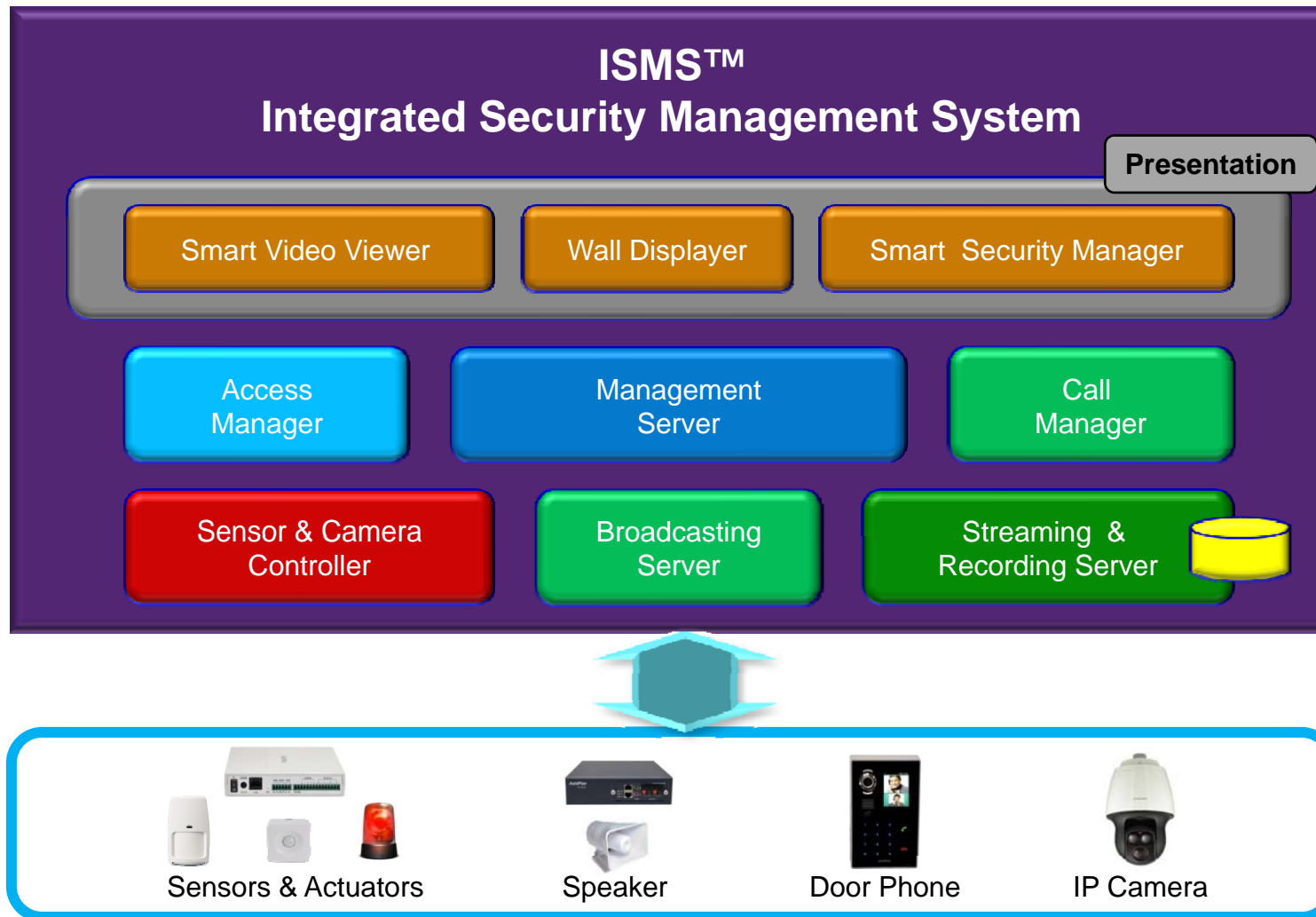


ISMS™ Architecture

ISMS is Integrated Security Platform



ISMS Architecture



ISMS System Components

Smart Video Viewer

Shows Live Camera View and Playback Recorded Video

Wall Displayer

Shows Live Camera View for Wall Display

Smart Security Manager

Shows Dashboard and Configurations

Management Server

Integrated Alarm and Event Handling

Streaming & Recording Server

RTSP based Live Video Streaming and Recording

Call Manager

Call Manager for Operators and Door Access User

Broadcasting Server

Audio Broadcasting Server for Manual and Automatic Broadcasting

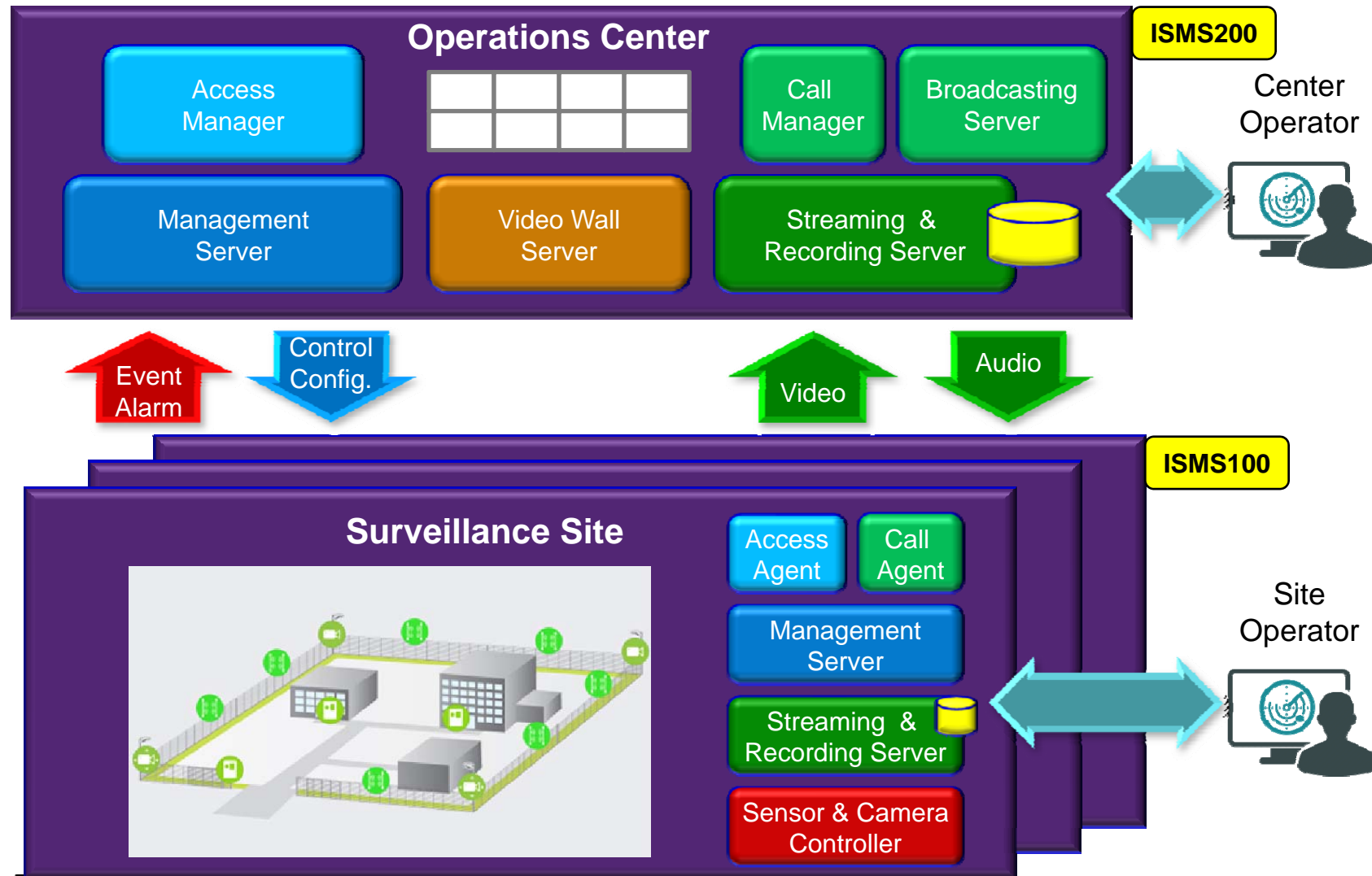
Access Manager

Door Access Manager for Authenticating User

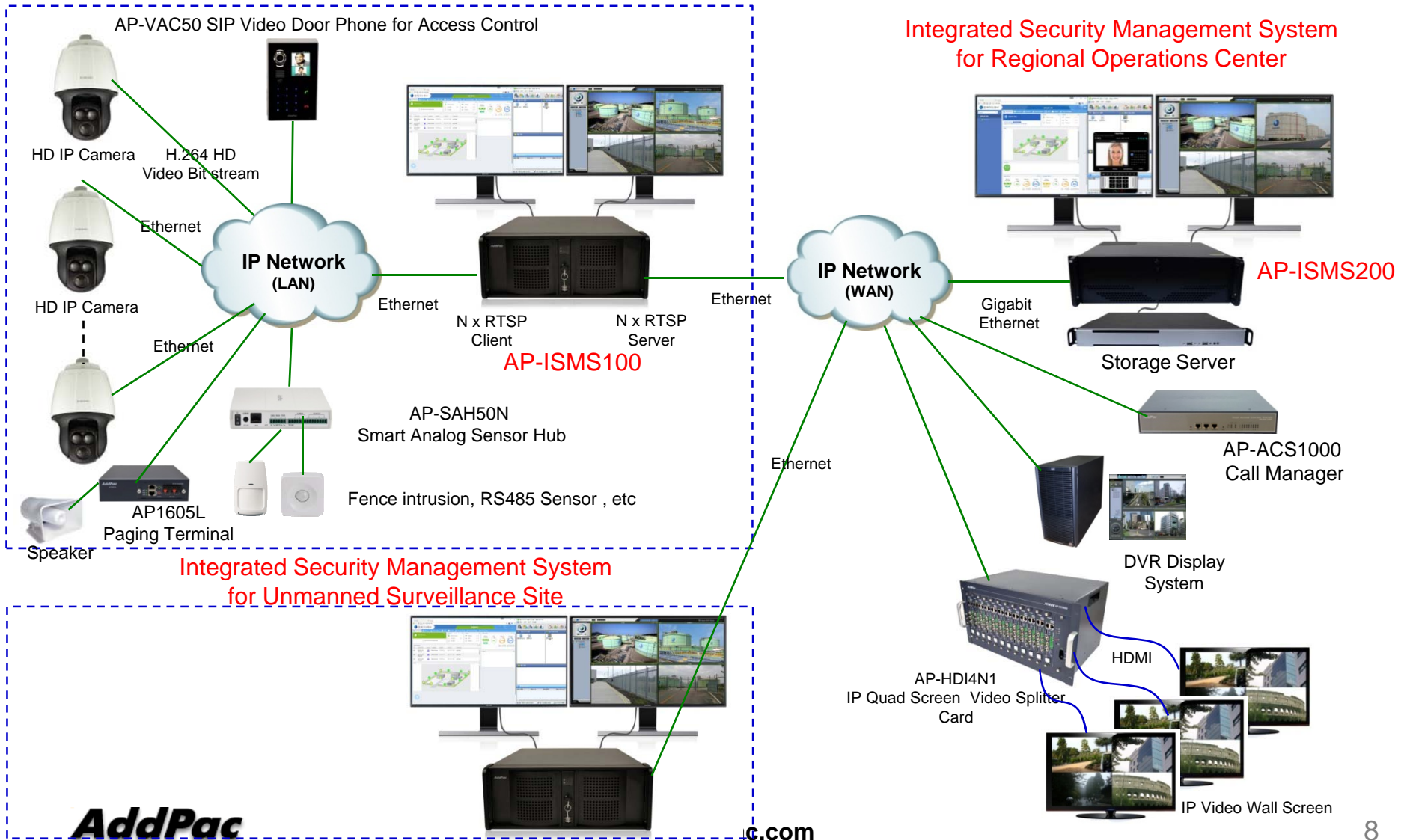
Sensor & Camera Controller

Sensor Event Handling and Controlling

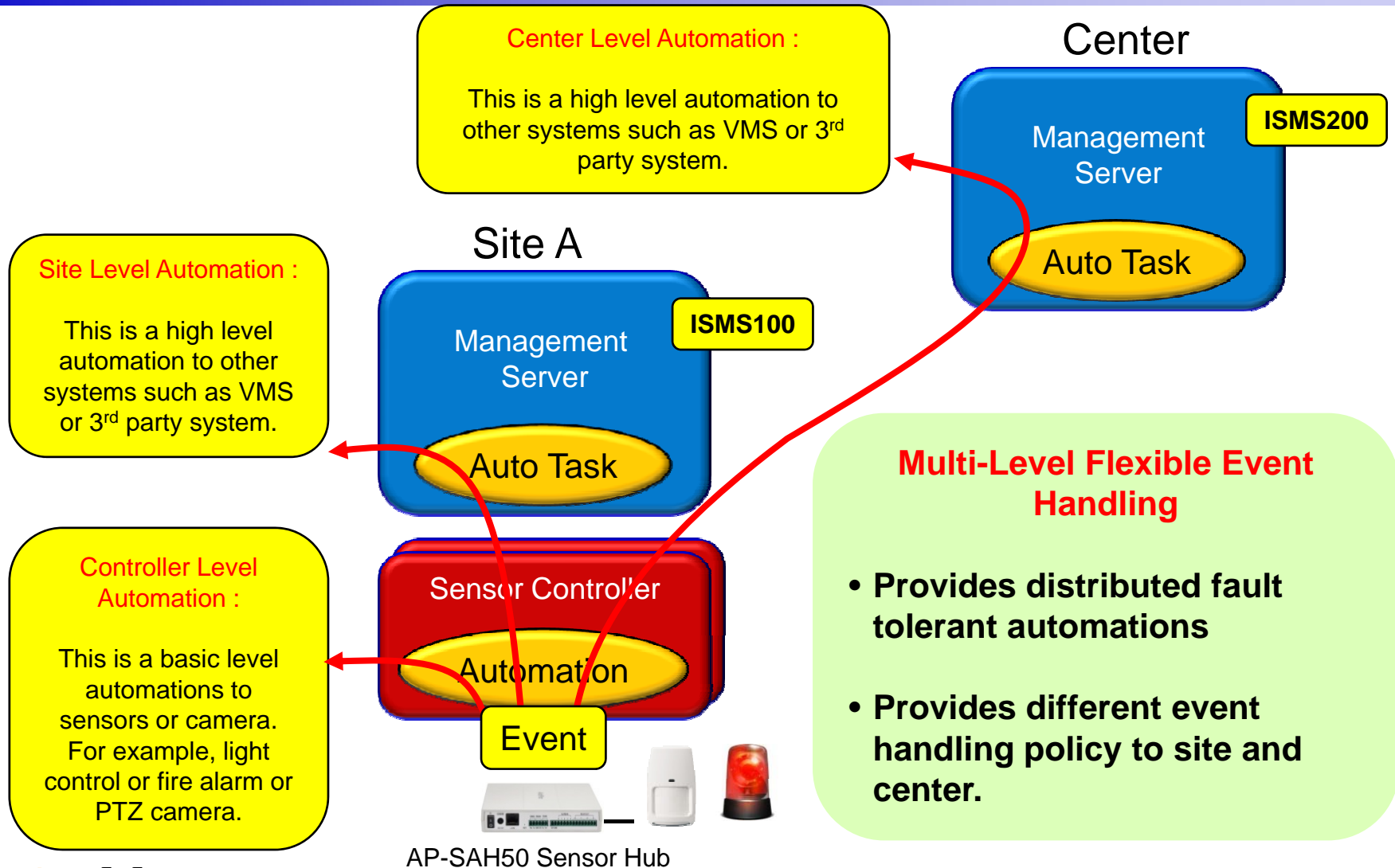
ISMS supports Hierarchical Dual Operations Architecture



System Configuration



ISMS is Hierarchical and Distributed Event Handling Platform



ISMS Provides Task, Auto-Task, Action, Automation Object Editor for Rule based Event Handling

Task

- ◆ Where : Running at Management Server
- ◆ What : Change Mode(s) of Section(s)
Do Action(s) of Section(s)

Auto Task

- ◆ Where : Running at Management Server
- ◆ What : Do Server Action by a Triggering Event Always or Scheduled

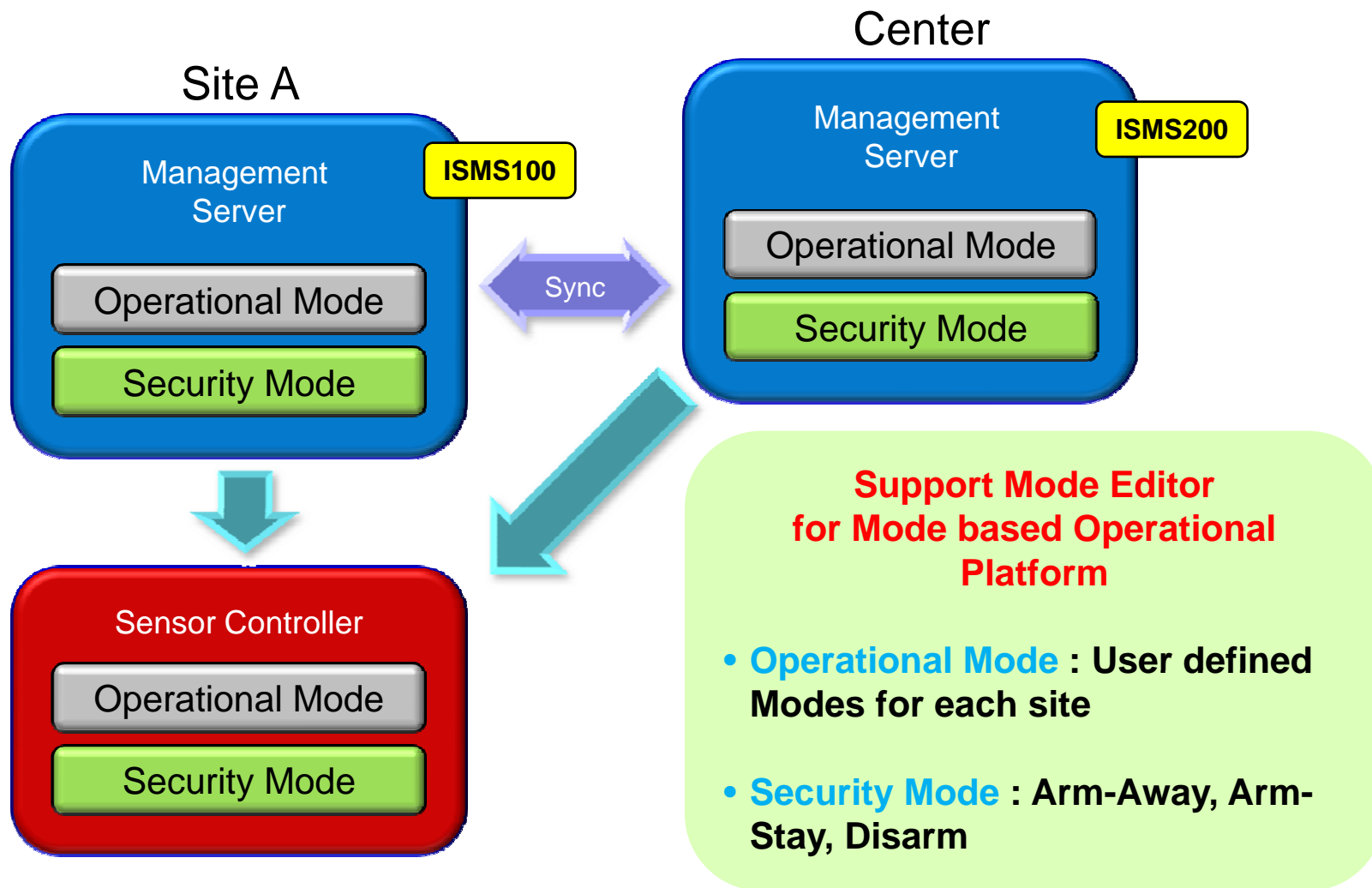
Action

- ◆ Where : Running at Sensor Controller
- ◆ What : Do Command to Device(s)

Automation

- ◆ Where : Running at Sensor Controller
- ◆ What : Do Action(s) by a Triggering Event Always or Scheduled

ISMS is Mode based Security and IoT Platform

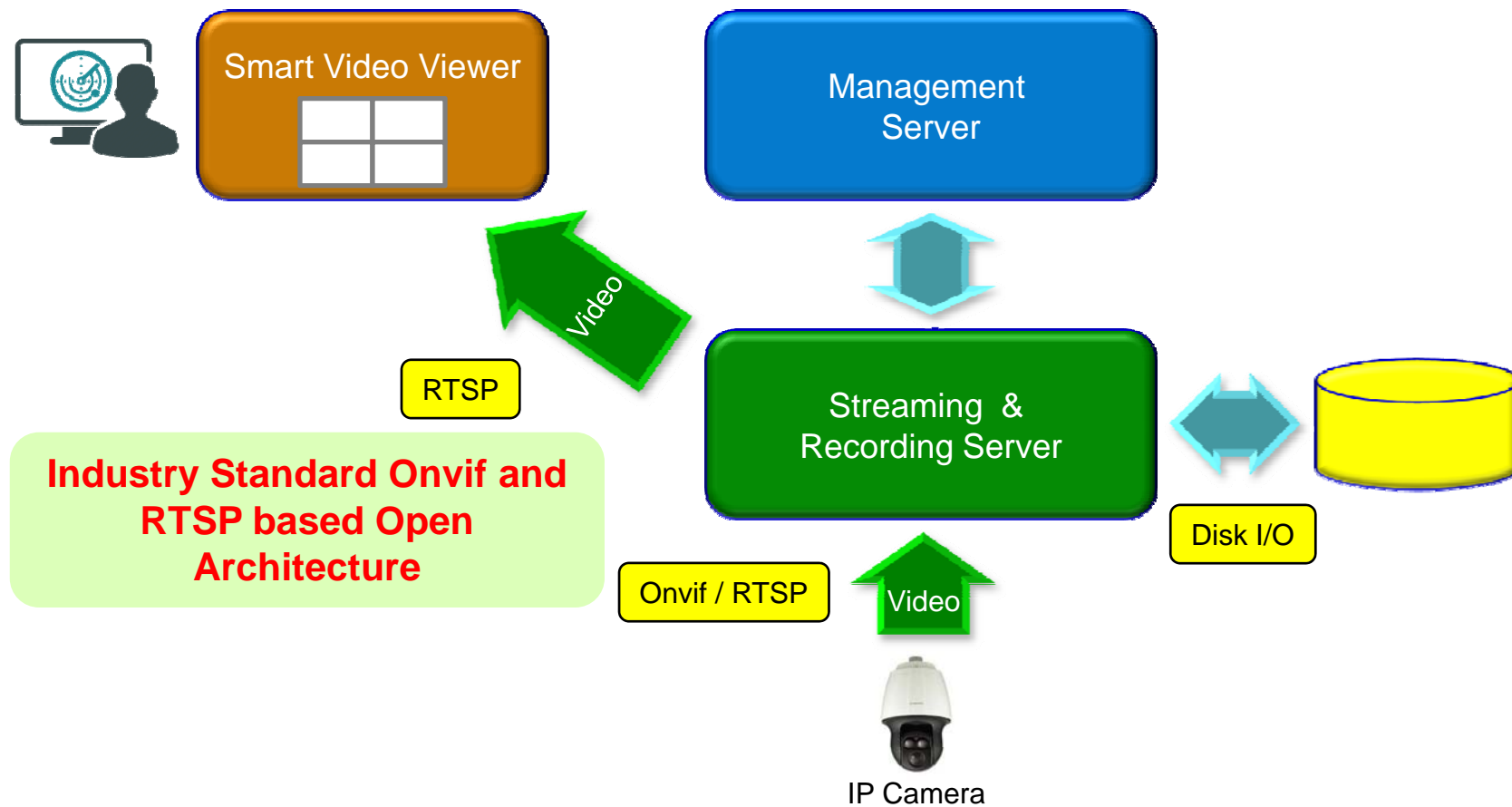


ISMS Mode Example

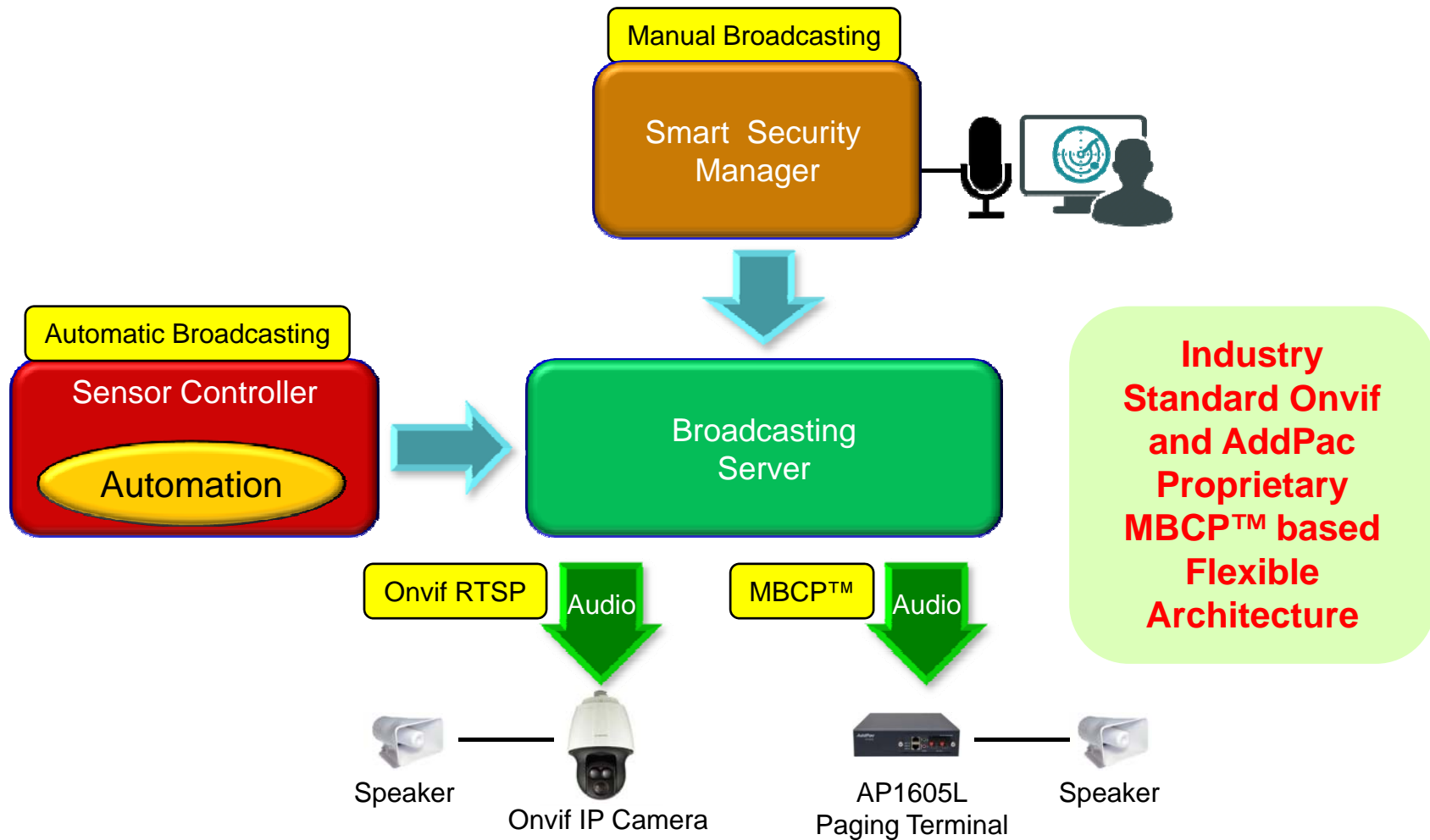
Operational Mode	Site	Security Mode	Camera Touring	Indoor Gate	Room Temperature
Mode A	Site A	Arm-Away	Enable	Arm	10 ° C
Mode B	Site A	Arm-Away	Disable	Arm	10 ° C
Mode C	Site A	Arm-Stay	Enable	Disarm	26 ° C
Mode D	Site A	Disarm	Disable	Disarm	26 ° C
Mode E	Site A	Disarm	Enable	Disarm	10 ° C
Mode F	Site B	Arm-Away	Enable	Arm	8 ° C
Mode G	Site B	Arm-Stay	Enable	Disarm	20 ° C
Mode H	Site B	Disarm	Enable	Disarm	20 ° C

User Defined Operational Mode Supports Powerful, Flexible and Easy Site Operation

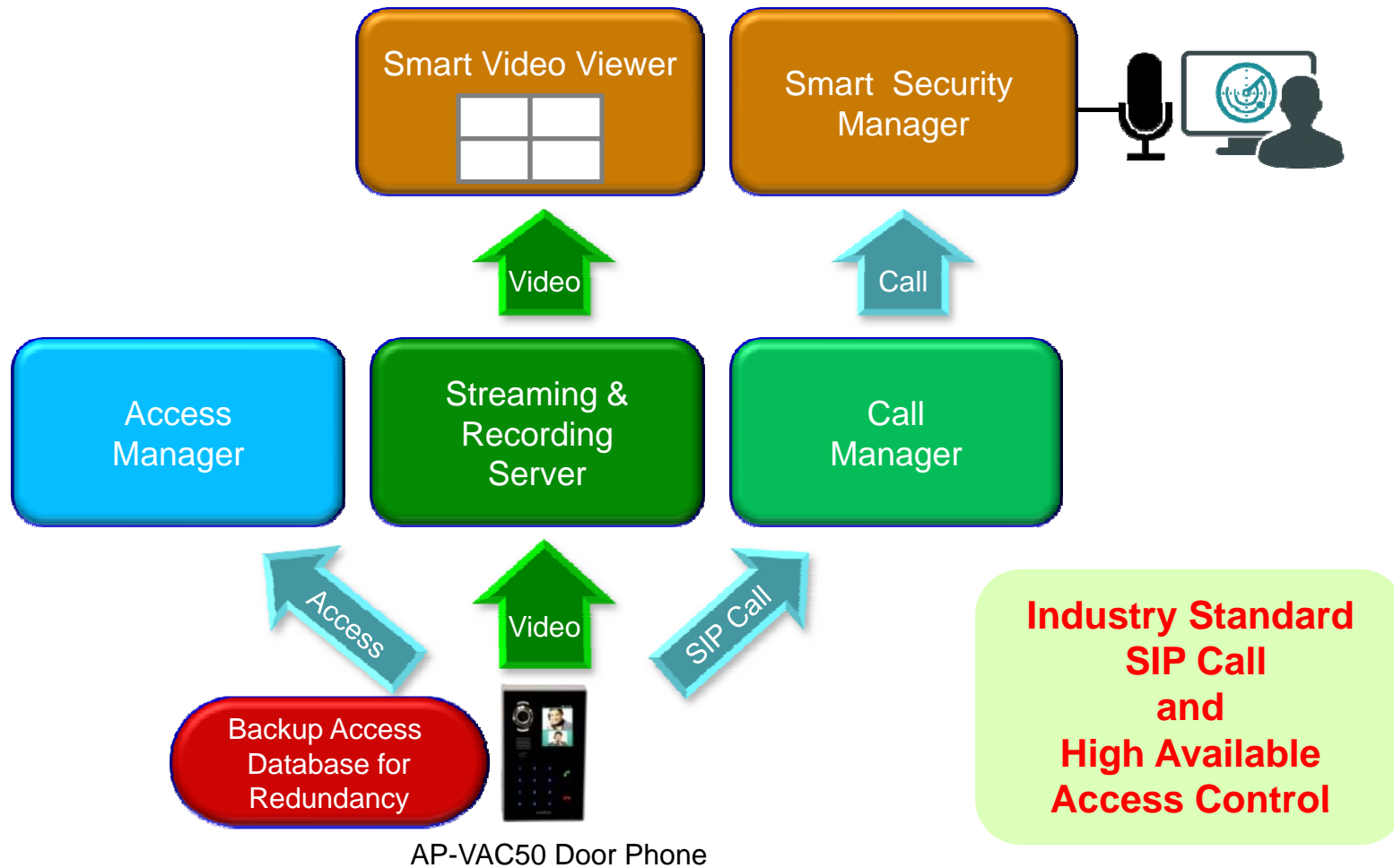
ISMS is Onvif and RTSP based VMS



ISMS supports Onvif and MBCP™ based Audio Broadcasting



ISMS supports Door Access and SIP Call to Operator

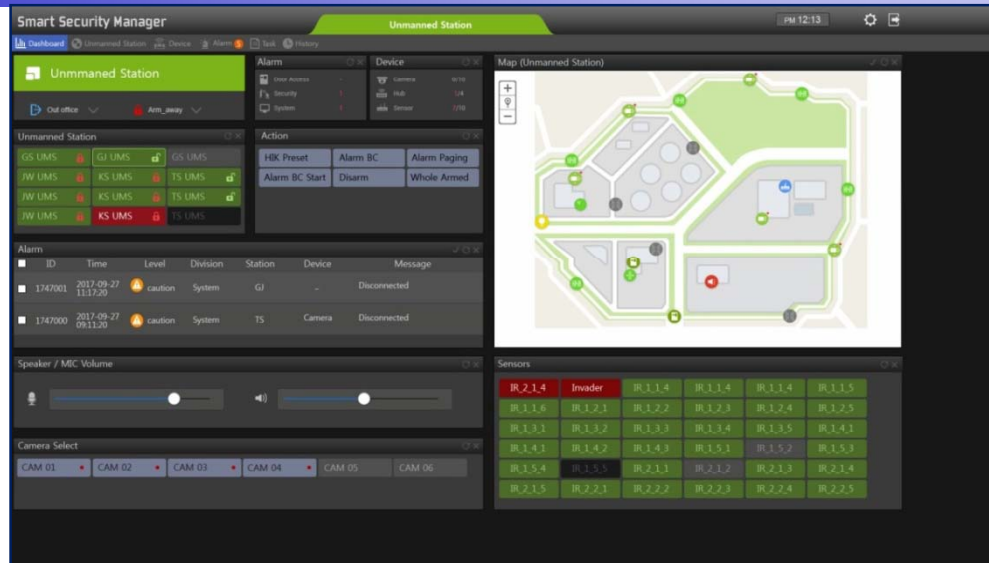


ISMS Provides Smart Video Viewer



- **Easy and Intuitive UI** : Supports Drag and Drop and PTZ
- **Dynamic Video Profile** : Supports Dynamic Video Profile Selection according to View Layout Size of Live Stream or Record Stream
- **Group / List View Mode** : Supports Hierarchical Camera List View and Favorite Camera Group View Mode
- **Alarm View** : Shows Live / Recorded Camera(s) which are related to the Alarm
- **Various Speed Playback** : 1/4x, 1/2x, 1x, 2x, 4x, 8x, 16x Forward and Reverse
- **Frame based Playback** : 1 Frame Forward and Reverse
- **Synchronous Playback** : Multi Camera Synchronous Playback

ISMS provides Integrated Dashboard of Smart Security Manager

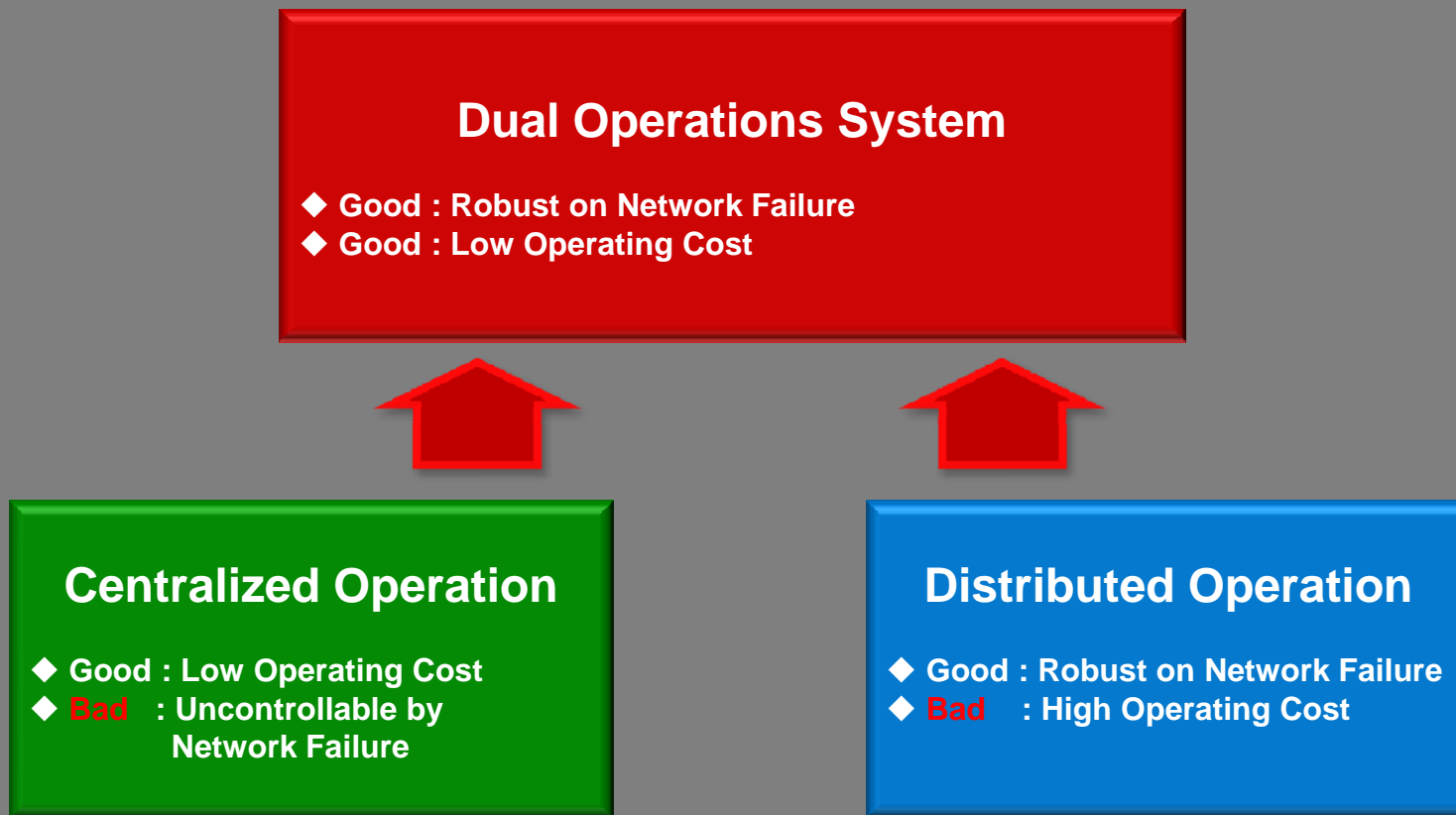


- **E-Map** : Supports 2D E-Map with Sensor Icons and Sensor Group as Line with Status
- **Alarm List** : Supports Alarm Acknowledge and Clear
- **Smart Video Viewer Interworking (Live)** : Shows Live Video when a Camera or Camera Group is Selected
- **Smart Video Viewer Interworking (Record)** : Shows Record Video when a Alarm is Selected
- **Sensor Control** : Arm / Disarm / Alarm Clear / Enable / Disable
- **Actions** : Door Open / Receive Call / Mode Control / Broadcast



Dual Operating PIDS Architecture

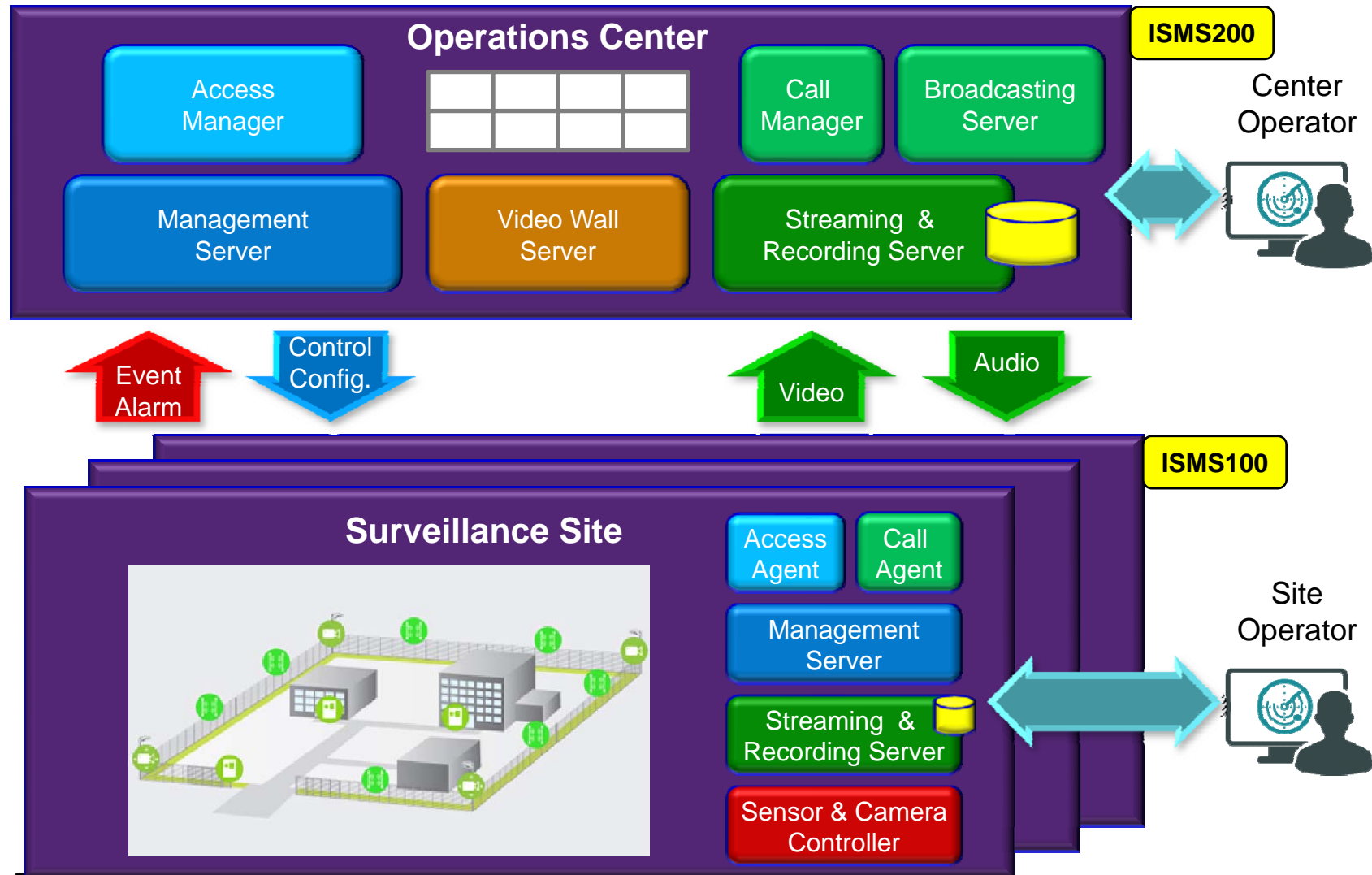
Centralized or Distributed Operations System Which one is better?



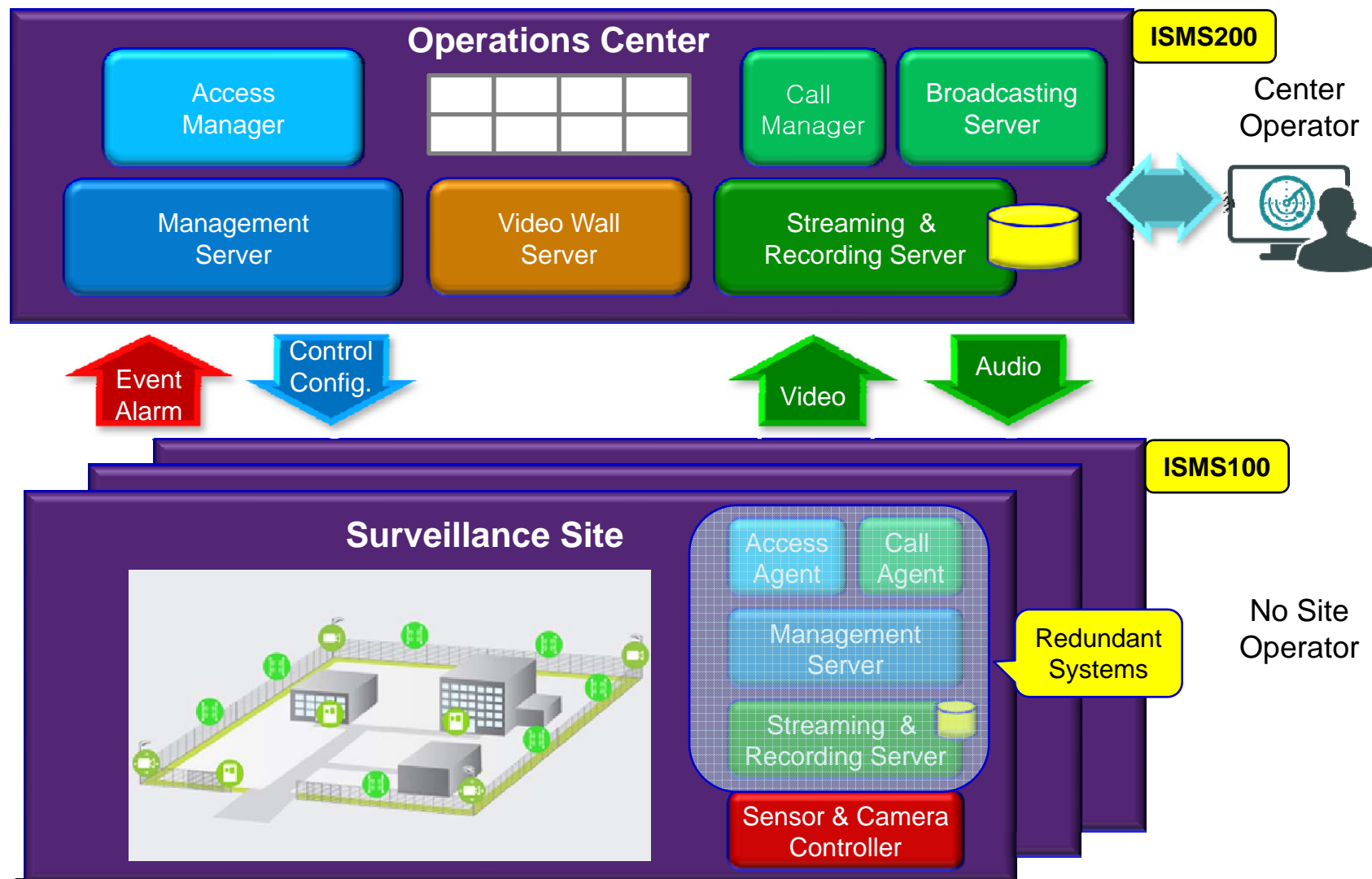
Benefits of Dual Operating PIDS

- It provides **mission critical surveillance** by robust architecture on network failure, center disaster, and site system failure.
- It provides **flexible role assignment** to center and site operator depends on site characteristic or time.
- It provides **unmanned** centralized operating system.
- It provides **independent video monitoring and recording** to each center operator and site operator.
- It provides **synchronized device status and alarms** to center and site systems.
- It provides **redundant door access control** and call control.

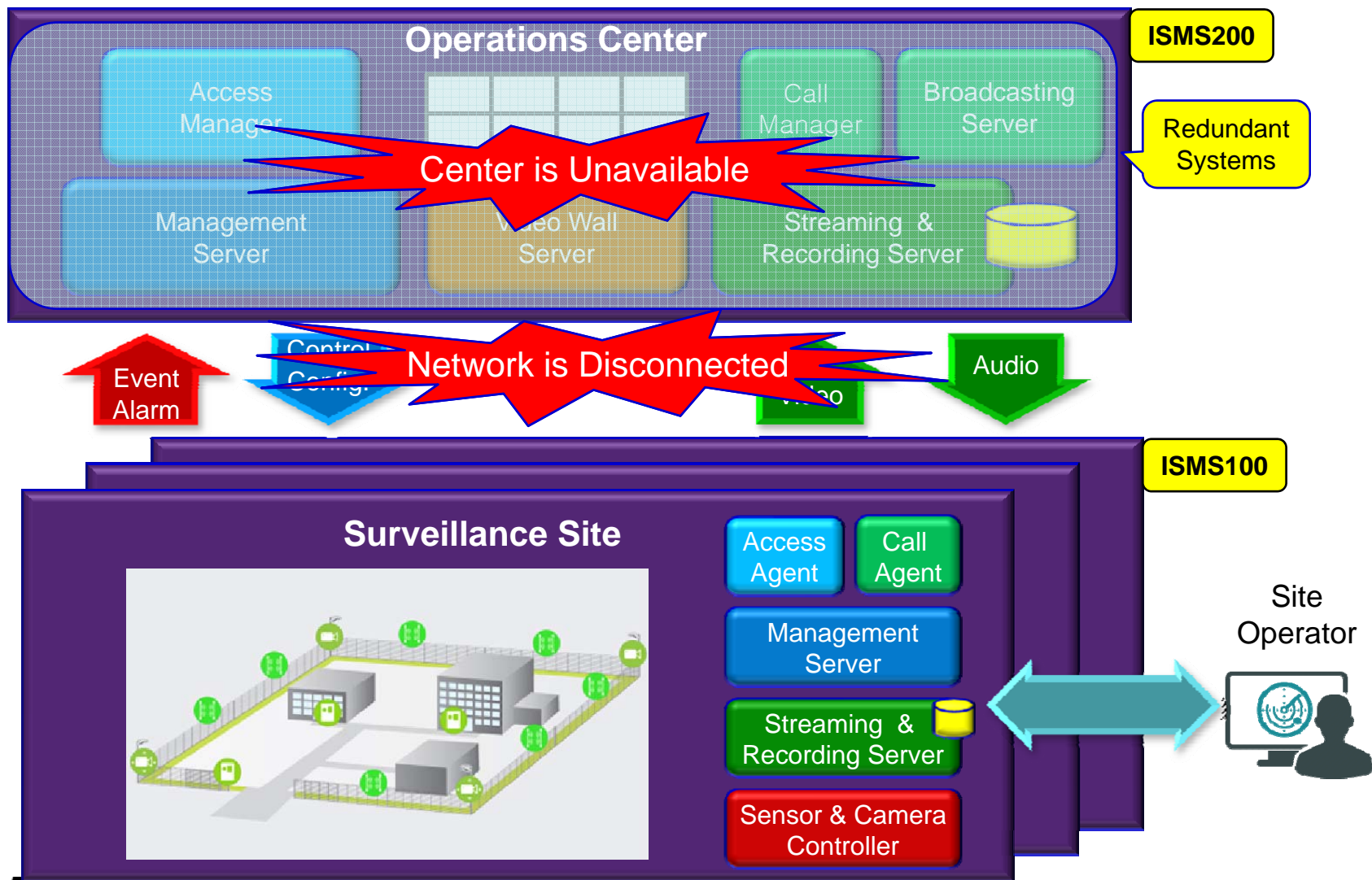
Dual Operations Architecture



100% Monitoring and Control by Center Operator



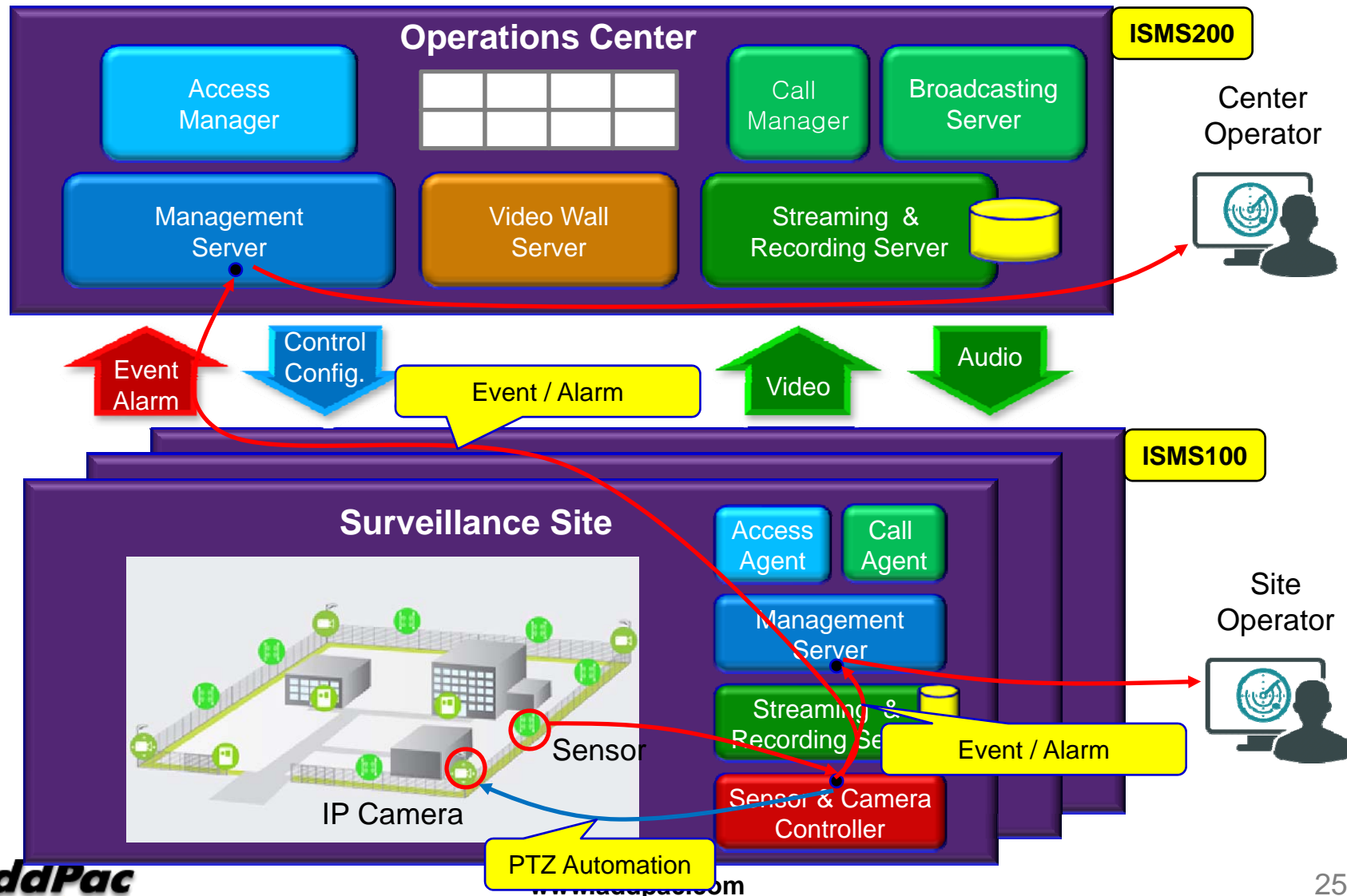
100% Monitoring and Control by Site Operator



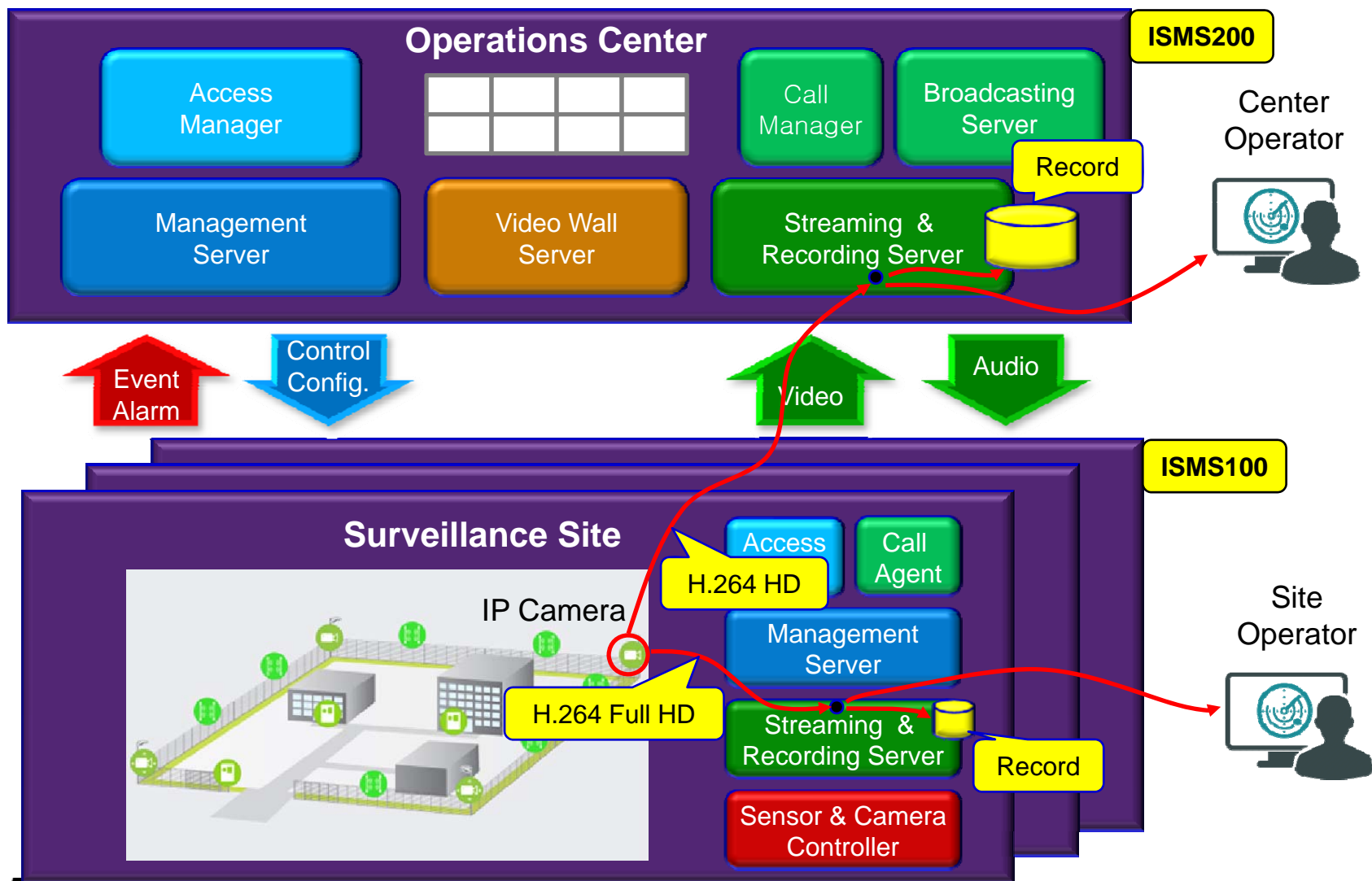


Dual Operations Scenario

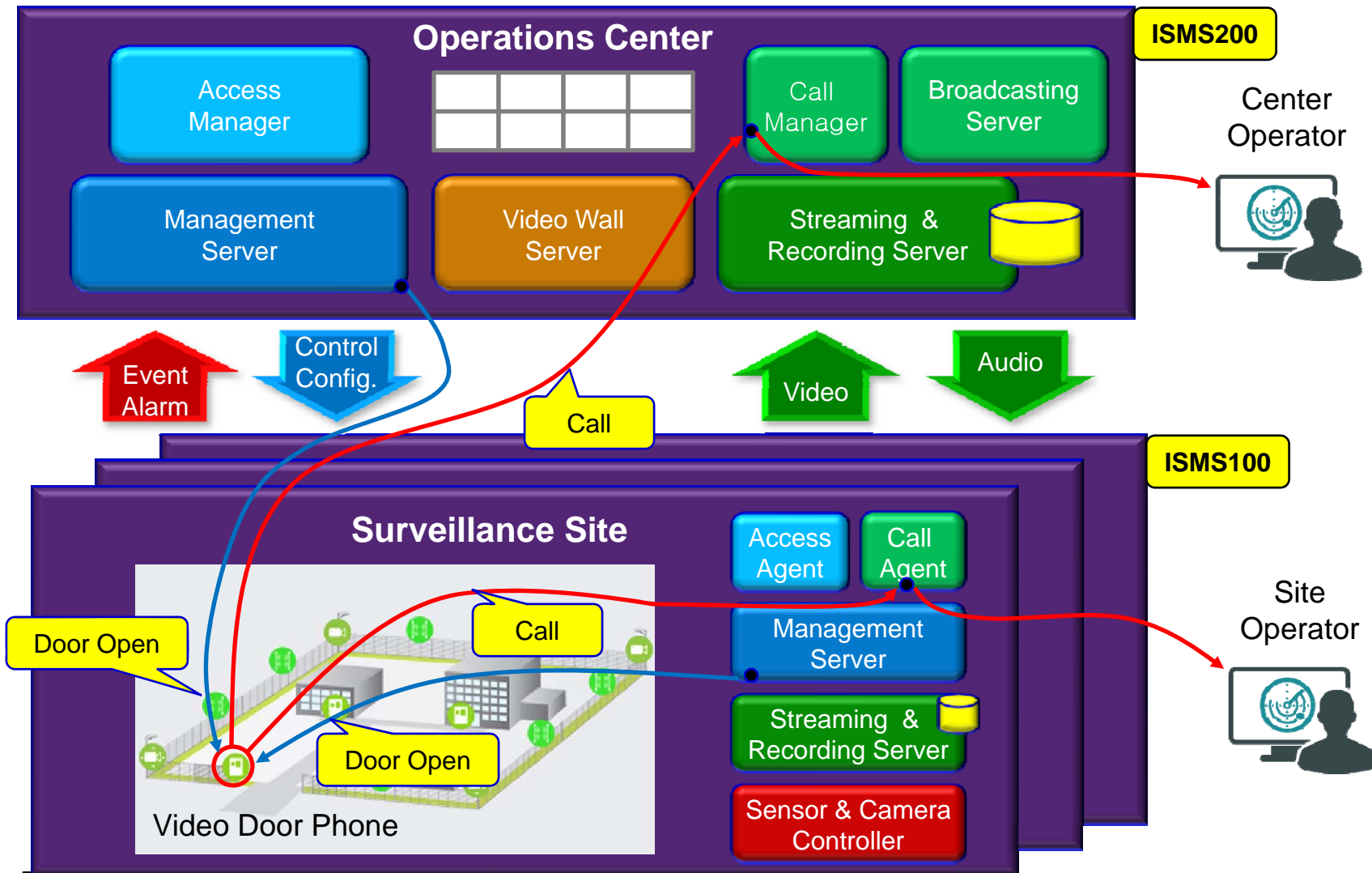
Sensor Alarm Clear by Each Operator and Synchronize Status



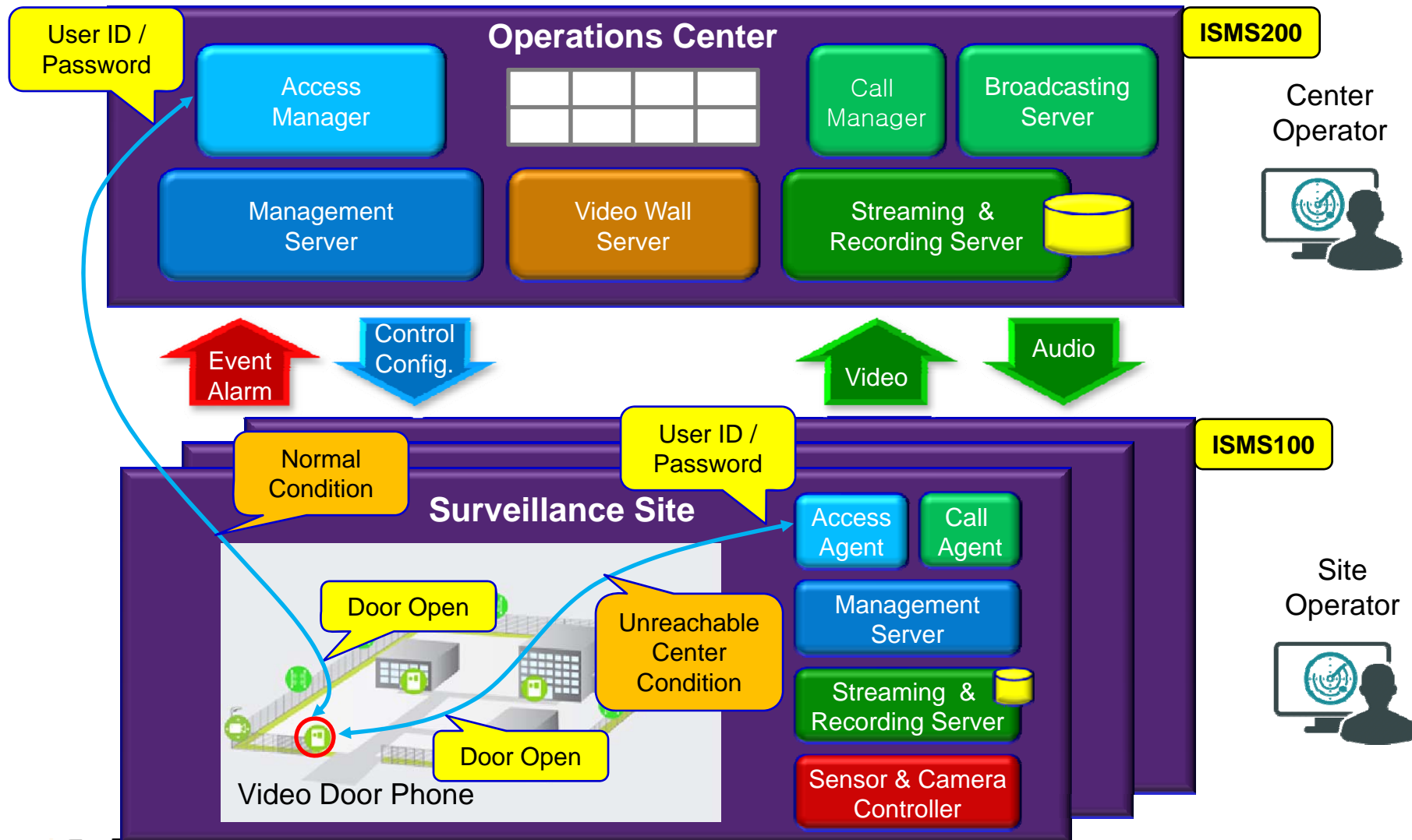
Video Surveillance by Each Operator



Door Access Call to Each Operator and Door Control



Redundant Door Access Control





Thank you!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail sales@addpac.com