Integrated Security Management System Solution for Apartment

Solution Overview

AddPac Technology

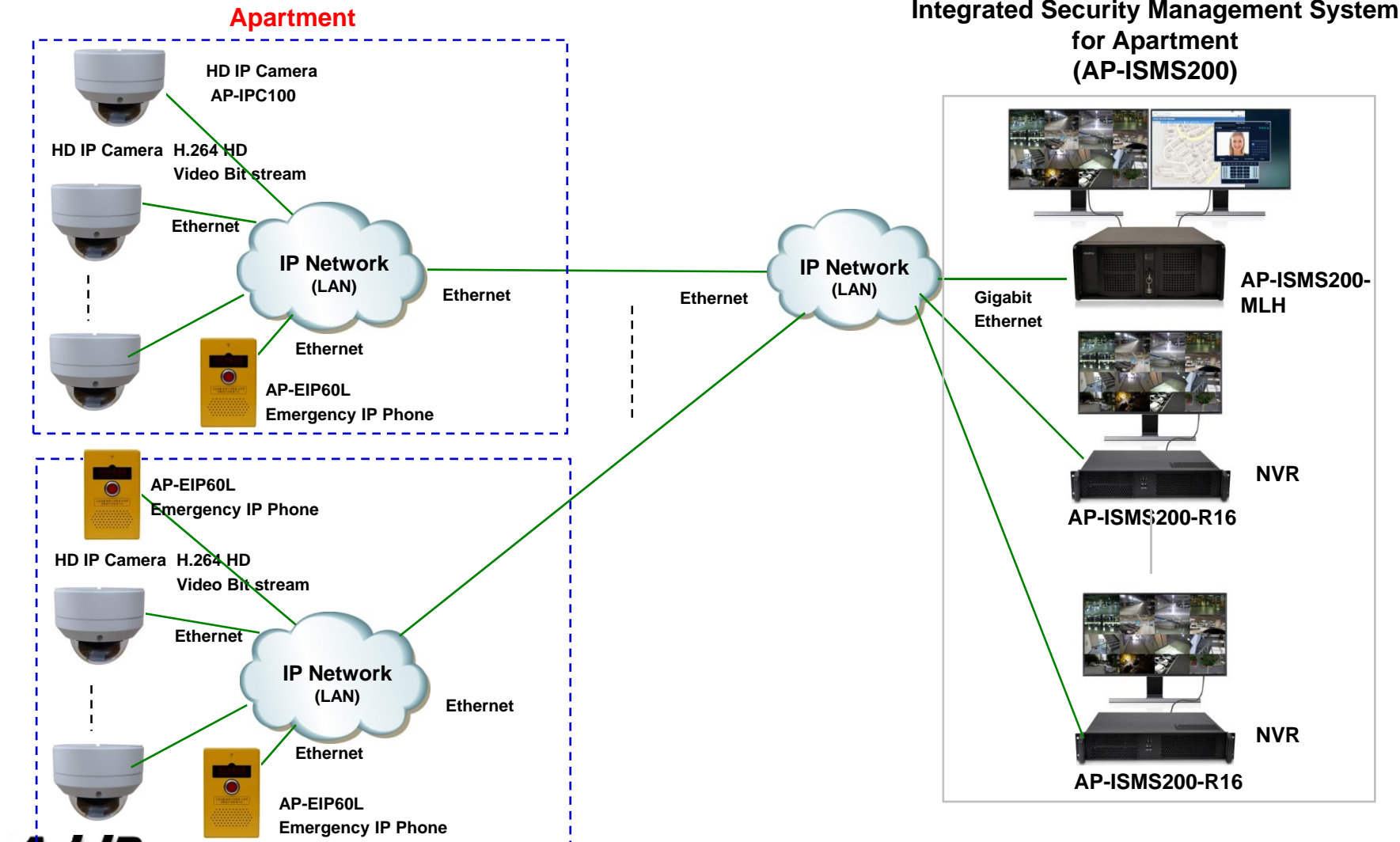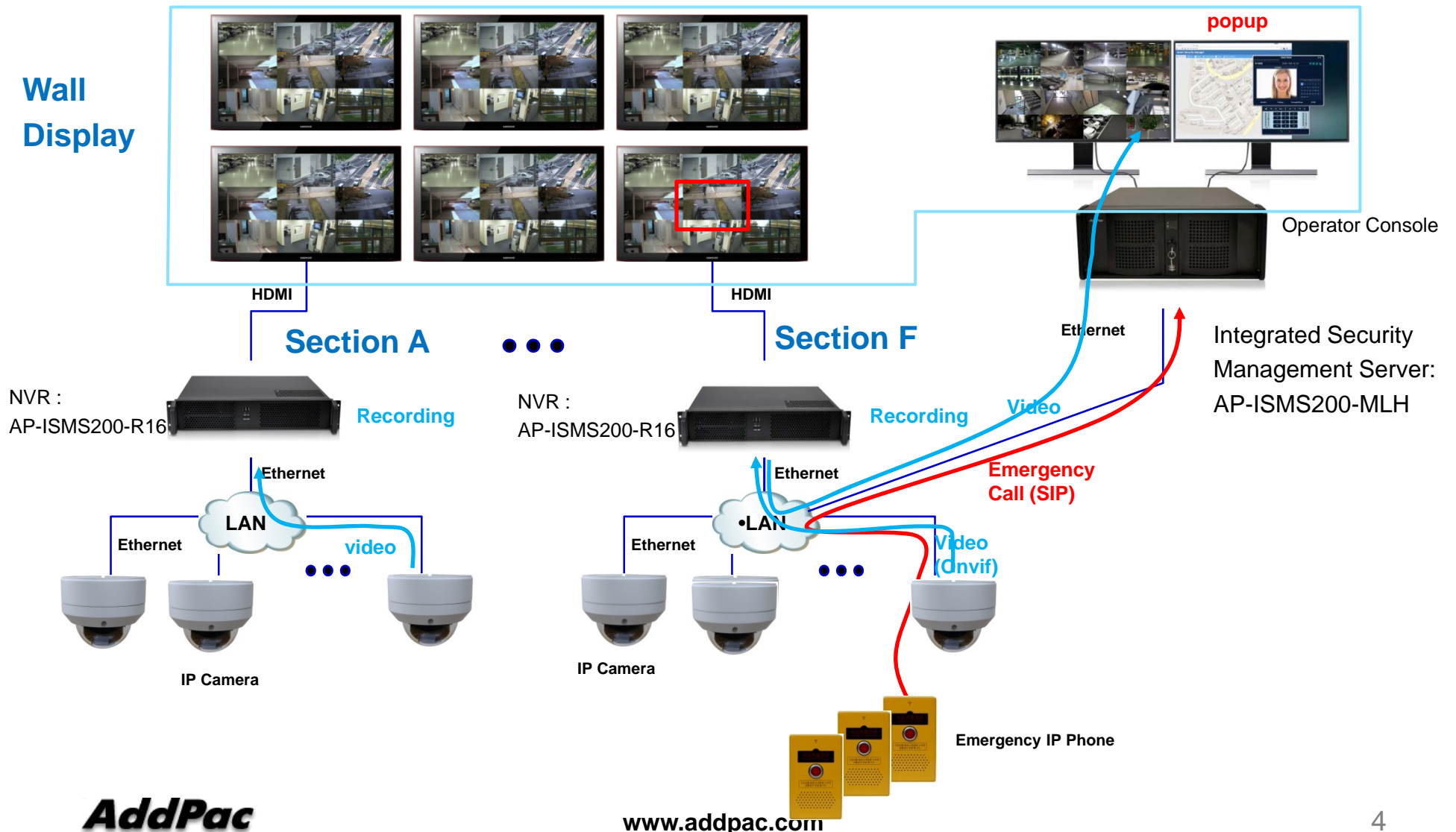Sales and Marketing

Contents

- Network Diagram

- Integrated Security Service Diagram

- Software Functional Block Diagram

- Product Lists

    - NVR : AP-ISMS200-R16

    - Integrated Security Management Server : AP-ISMS200-MLH

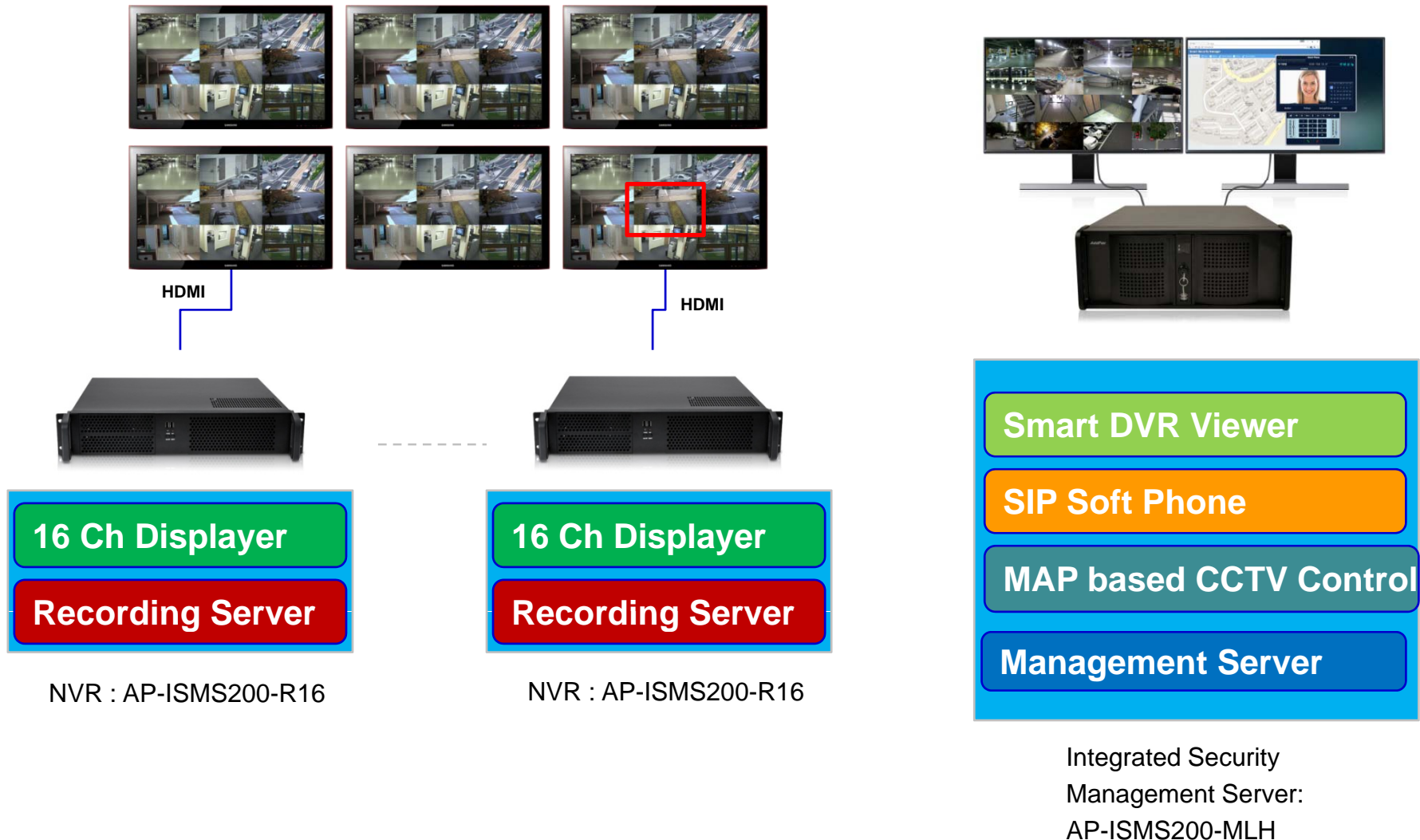   - Emergency IP Interphone : AP-EIP60L

    - IP Camera : AP-IPC100

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Network Diagram

Apartment

**Integrated Security Management System
for Apartment
(AP-ISMS200)**

HD IP Camera
AP-IPC100

HD IP Camera H.264 HD
Video Bit stream

Ethernet

**IP Network
(LAN)**

Ethernet

Ethernet

AP-EIP60L
Emergency IP Phone

Ethernet

**IP Network
(LAN)**

Gigabit
Ethernet

AP-ISMS200-
MLH

AP-EIP60L
Emergency IP Phone

NVR

HD IP Camera H.264 HD
Video Bit stream

AP-ISMS200-R16

Ethernet

**IP Network
(LAN)**

Ethernet

NVR

Ethernet

AP-EIP60L
Emergency IP Phone

AP-ISMS200-R16

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Integrated Security Service Diagram

Wall Display

popup

Operator Console

Section A

Section F

NVR : AP-ISMS200-R16

Recording

NVR : AP-ISMS200-R16

Recording

Video

Integrated Security Management Server: AP-ISMS200-MLH

HDMI

HDMI

Ethernet

Ethernet

Ethernet

Emergency Call (SIP)

LAN

LAN

Ethernet

video

Ethernet

Video (Onvif)

IP Camera

IP Camera

Emergency IP Phone

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Software Functional Block Diagram

HDMI

HDMI

16 Ch Displayer

Recording Server

NVR : AP-ISMS200-R16

16 Ch Displayer

Recording Server

NVR : AP-ISMS200-R16

Smart DVR Viewer

SIP Soft Phone

MAP based CCTV Control

Management Server

Integrated Security
Management Server:
AP-ISMS200-MLH

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AP-ISMS200-R16H

16 Channel HD NVR

Product Overview

- CCTV NVR Service
- Window or Linux based Operating System
- High-Performance 16CH HD, SD Network DVR (Option : Full HD)
- H.264 Video Codec BP/MP/HP
- MJPEG Video Codec
- Onvif Standard based IP Camera, Video Codec Support
- RTSP Standard Video Streaming Protocol Support
- HD, D1 Video Resolution Support
- Video Out : HDMI, DVI Interface
- HD Video Recording and Streaming Service
- Smart DVR Viewer Support (MS-Window S/W)
- Smart DVR Manager Support (MS-Window S/W)
- File Back Manager Support (MS-Window S/W)
- Powerful Management and User Friendly Features
- High-performance Audio and Video Service
- Firmware Upgradeable Architecture

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Hardware Specification

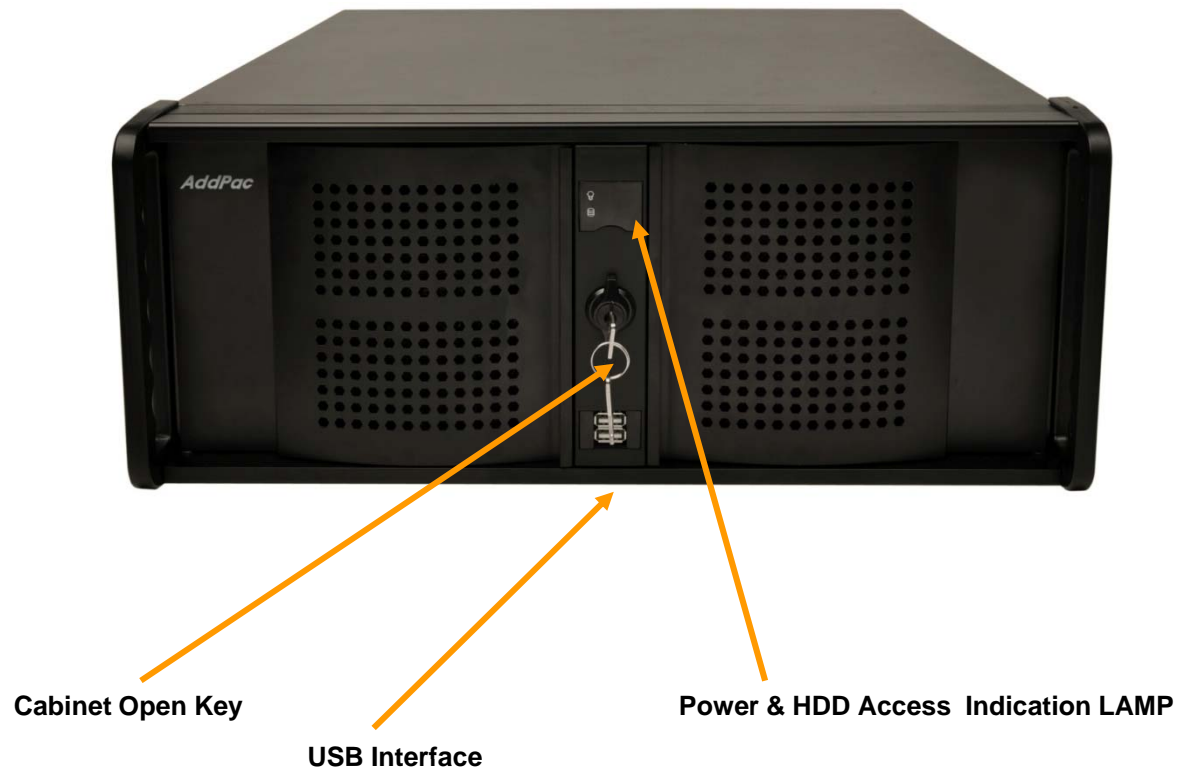## AP-ISMS200-R16 16Channel HD NVR

- AP-ISMS200-R16 Management System

- High Performance Computing Power

- Main Chassis
    - Network Interface
        - One(1) 10/100/1000Mbps Gigabit Ethernet
    - Video Output Interface
        - HDMI, DVI Video Output
    - USB 2.0 Interfaces for Mouse, Keyboard, etc
    - SATA Hard Disk : 12Tera

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Hardware Specification
AP-ISMS200-R16 16Channel HD NVR

Front Side
(AP-ISMS200-R16)

USB Interface for Mouse ,Keyboard, Backup

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CCTV NVR Service

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Smart DVR Viewer

AP-ISMS200-R16 16Channel HD NVR

- Multi-Standalone DVR Server Support
- Onvif Protocol Support for CCTV Device Control
- PAN/TILT/ZOOM Control, Layout & Screen Mode Change
- Multi-Live View, Multi-Recording View, Time Synchronization View
- Fast Search, Jog Shuttle Slow Motion & Rewind
- Recording ZOOM View
- Audio/Video Support.

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Integrated Security Management Server :
AP-ISMS200-MLH

Contents

- Product Overview
- Hardware Specification
- Integrated Security Management Software Service
  - CCTV Video Monitoring Service
  - SIP based Call Attendant Service for Emergency Call IP Phone
  - Map based CCTV Control Service
  - Static SIP Call Routing Service

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Product Overview

- CCTV Video Monitoring Service + SIP based Call Attendant Service for Emergency Phone Service + SIP Call Manager Service + RTSP Video Streaming Service
- Window based Operating System
- High-Performance HD, SD Network DVR
- H.264 Video Codec BP/MP/HP
- MJPEG Video Codec Support
- Onvif Standard based IP Camera, Video Codec Support
- Full HD, HD, D1 Video Resolution Support
- Video Out : HDMI, DVI Interface (AP-ISMS200-M)
- Secondary Video Output Interface (AP-ISMS200-M)
- HD Video Recording and Streaming Service
- Smart DVR Viewer Support (MS-Window S/W)
- Smart DVR Manager Support (MS-Window S/W)
- SIP based Emergency Call Attendant Service
- MAP based CCTV Control Service
- Powerful Management and User Friendly Features
- High-performance Audio and Video Service
- Firmware Upgradeable Architecture

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Hardware Specification

AP-ISMS200-MLH Integrated Security Management System

- AP-ISMS200-MLH Management System

- High Performance Computing Power

- Main Chassis
  - Network Interface
    - One(1) 10/100/1000Mbps Gigabit Ethernet
  - Video Output Interface
    - HDMI, DVI Video Output
  - Secondary Video Output Interface
  - USB 2.0 Interfaces for Mouse, Keyboard, etc
  - SATA Hard Disk

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Hardware Specification

AP-ISMS200-MLH Integrated Security Management System

Front Side

Cabinet Open Key

USB Interface

Power & HDD Access Indication LAMP

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Hardware Specification

AP-ISMS200-MLH Integrated Security Management System

Back Side

Power ON/OFF Switch

Power Input

Video Output

Audio In/Out

USB Interface for
Mouse, Keyboard, etc

Secondary Video Output

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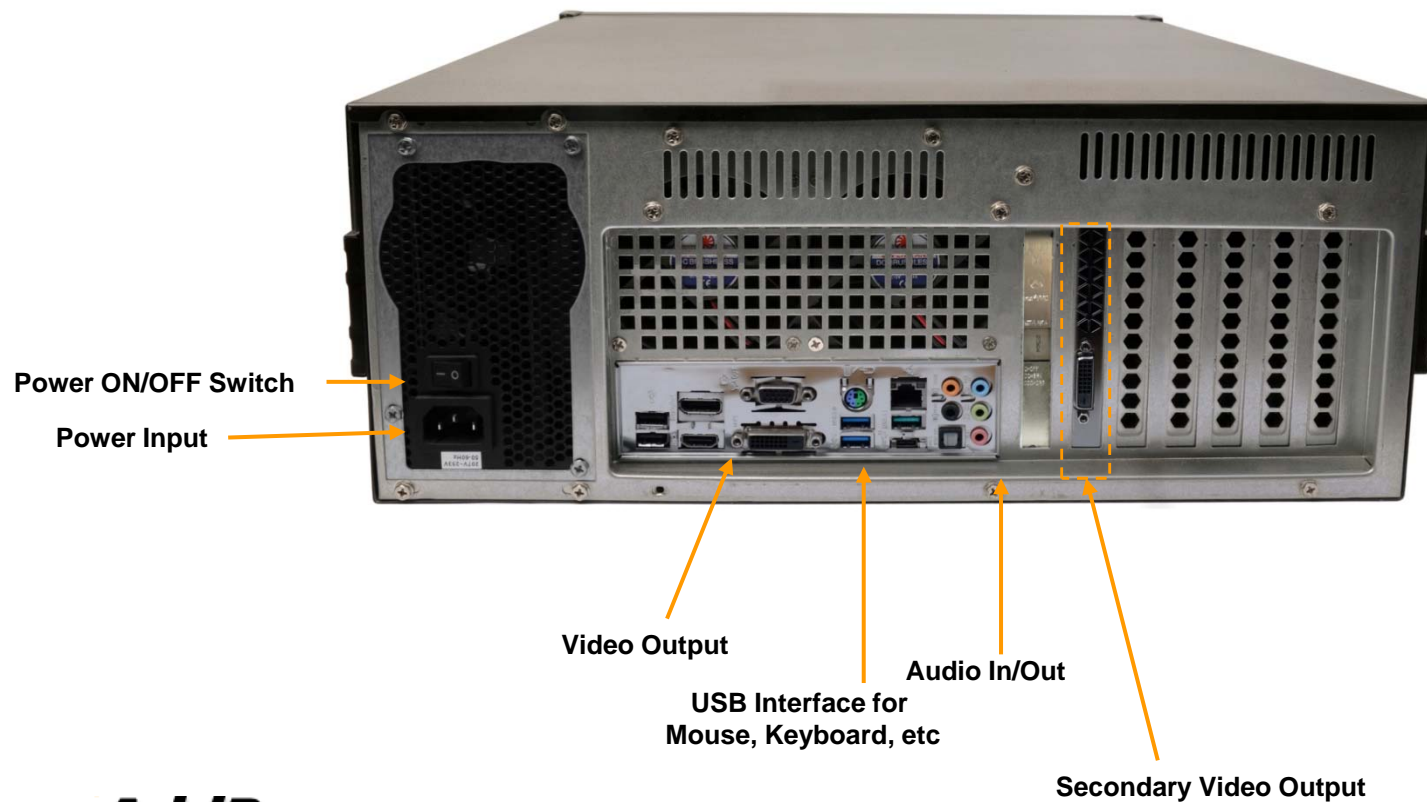
MAP based Integrated Security Management Service Overview

- JavaScript based Interactive MAP Service

- Integrated Security Management Service via MAP based Device Overlay Display

- CCTV Camera, Sensor Hub, Sensors, IP Paging Terminal, Video Door Phone, etc, Geographical Display on MAP for Instinctive Control Service

- MAP Editor Service (Background Image, Device Lists, etc)

- MAP based Sensor Device Alarm & Status Display

- Click IP Camera ICON to View on MAP

- Click IP Paging Terminal ICON for Emergency or Warning Paging Service

- Zoom to Area, Double Click Zoom, Scroll Wheel Zoom, etc

- Tile Layer, etc

MAP based Integrated Security Management Service Overview (Example)

MAP based Integrated Security Management Service Overview (Tile Layer Example)

MAP based Integrated Security Management Service Overview (Tile Layer Example)

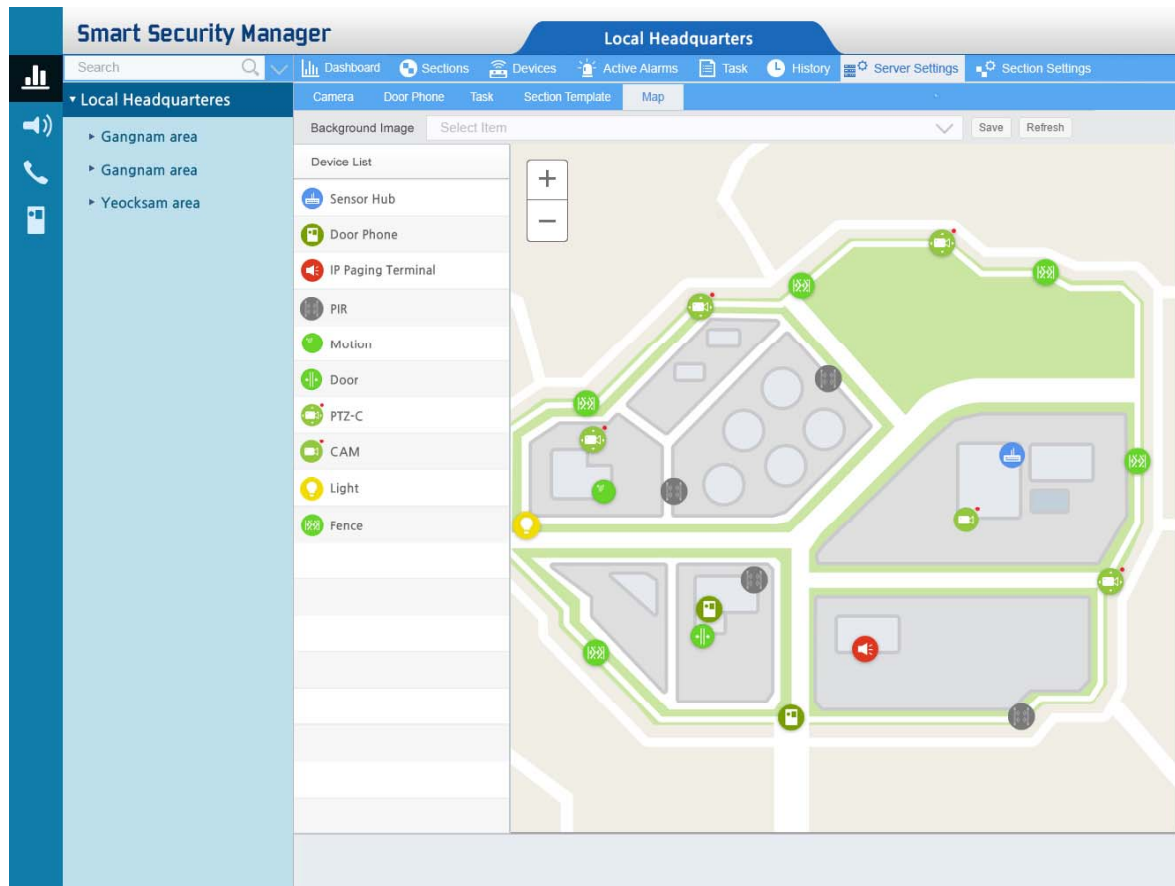# MAP based Integrated Security Management Service Overview (MAP Editor Service)

Device Lists : IP camera, IP paging terminal etc

MAP based Integrated Security Management Service Overview (MAP Editor Service)

SIP Call Agent
for Emergency Call Attendant Service

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Overview

AP-SMP100

| Main Features	MS-Window based IP Soft Video Phone
	IP Real-time Audio/Video Broadcasting Terminal Solution
	Up to 30fps with HD-Resolution(MPEG-4, H.264)
	Video Conference Call Support (AddPac External MCU Inter-working) Advanced Voice/Video Traffic QoS
	Advanced Voice/Video Traffic QoS
	SIP, H.323* Signaling Support
	Support Various Call Signal via AddPac IP-PBX Inter-working
A/V Service Features	High-performance Video/Voice Codec Support - H.263, MPEG-4, JPEG, and H.264 - G.711,G.726, SPEEX, etc
	Powerful Image Resolution Support -QCIF(176x144), CIF(352x288), QVGA(320x240), 4CIF ,VGA(640x480) , and 720P HD
	64Kbps to 4Mbps Operating Video Traffic Bandwidth
	Rate Control for Video Traffic QoS Ensuring Optimized Quality Frame Rate with Limited Bandwidth
	High-end Error Resilient Against Various Packet Error

OSD Software Features

OSD Software Features

OSD Software Features

AP-EIP60L
Emergency Call IP Phone
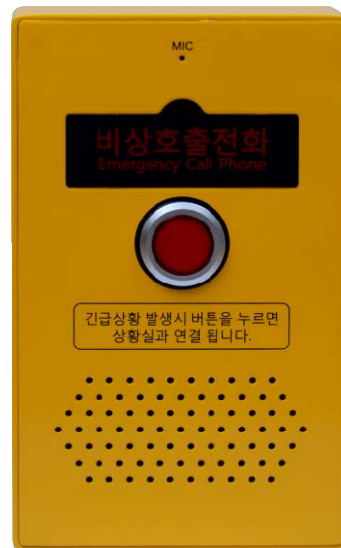
Product Overview

- High Performance Emergency Call IP Phone Solution
- Emergency Call IP Phone Solution for Indoor Application
- Full Duplex Voice Communication
- One(1) 10/100Mbps Fast Ethernet
- PoE(Power over Ethernet) Support
- High Quality Speaker Phone Features
- SIP VoIP Signaling Stack Embedded
- Powerful Acoustic Echo Canceller Chip Embedded
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Advanced Voice QoS Mechanism

Hardware Specification

- RISC+DSP Microprocessor Computing Power
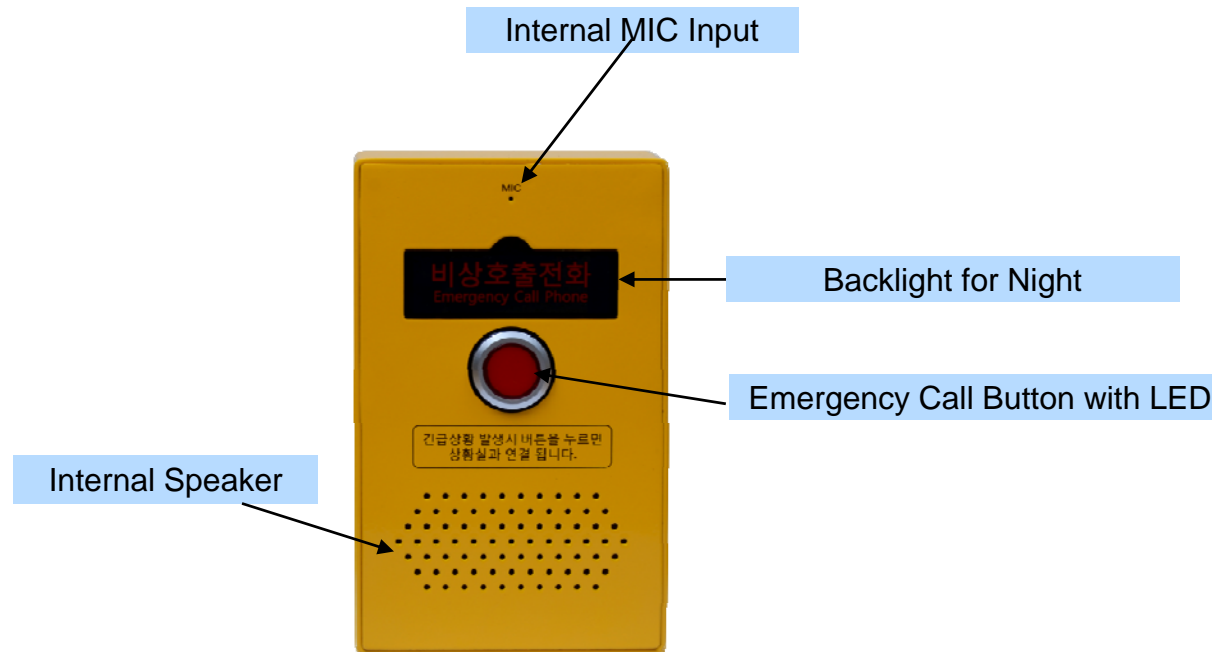- Audio and Voice Interface
  - Internal MIC
  - Internal Speaker
- Emergency Call Button & LAMP
- Network Interface
  - One(1) 10/100Mbps Fast Ethernet
- Power Supply
  - Power over Ethernet (Option)
  - External Power Adaptor

Hardware Specification
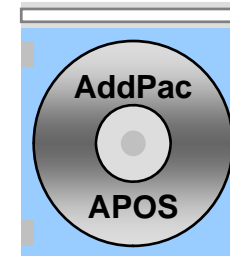
AP-EIP60L Emergency Call IP Phone

Front Side

Internal MIC Input

Backlight for Night

Emergency Call Button with LED

Internal Speaker

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Software Service

- Built-in AddPac APOS Internetworking Software
  - Scalability, Functionality, and Stability Features
  - Audio Traffic QoS Control
- Programmable Video, Audio, and Voice Services
  - Audio, and Voice Codec
- Firmware Upgradeable Architecture
- Industry Standard IP based Network Protocol Features

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Network Service and Features

- Network Managements
  - Standard SNMP Agent (MIB v2) Support
  - Remote Management using Console, Telnet
  - Web based Management using HTTP Server Interface

- Security Functions
  - Standard & Extended IP Access List
  - Enable/Disable for Specific Network Protocols
  - Multi-level User Account Management
  - Auto-disconnect for Telnet/Console Sessions
  - PPP User Authentication Supports (PAP & CHAP)

- Operation & Managements
  - System Performance Analysis for Process, CPU, Connection Interface
  - Debugging, System Auditing, and Diagnostics Support
  - System Booting and Auto-rebooting with Watchdog Feature
  - System Managements with Data Logging
  - IP Traffic Statistics with Accounting

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Network Service and Features

- Network Managements
  - DHCP Server & Relay Functions
  - Network Address Translation (NAT) Function
  - Port Address Translation (PAT) Function
  - Transparent Bridging (IEEE Standard) Function
    - Spanning Tree Bridging Protocol Support
    - Remote Bridging Support
    - Concurrent Routing and Bridging Support
  - Cisco Style Command Line Interface (CLI)
  - Network time Protocol (NTP) Support

Thank you!

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