AP-ISMS100

Integrated Security Management System

High-performance Integrated Security Management System Solution for Unmanned Security Zone

Product Overview

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





AddPac Technology

Sales and Marketing

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- Product Overview
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Product Overview

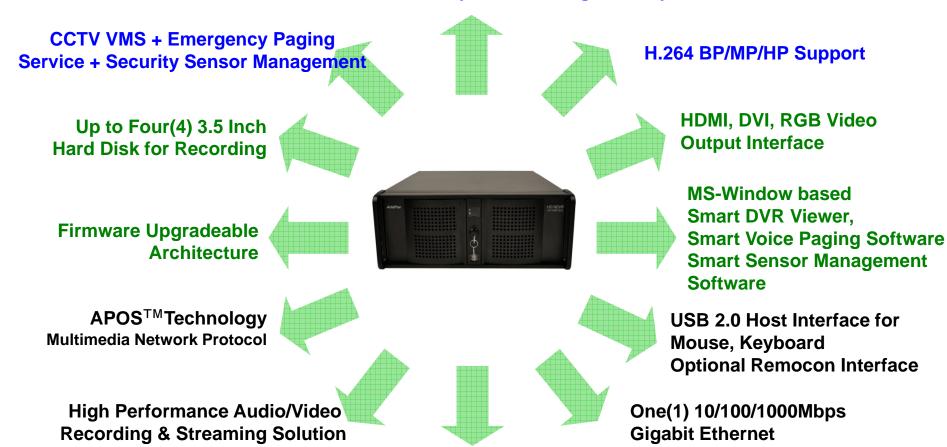
AP-ISMS100 Integrated Security Management System

- CCTV NVR Service + Emergency Paging Service + Security Sensor Management Service + RTSP Video Streaming Service
- Window based Operating System
- High-Performance Full HD, HD/SD Network DVR
- H.264 Video Codec BP/MP/HP
- Onvif Standard based IP Camera, Video Codec Support
- Full HD, HD, D1 Video Resolution Support
- Video Out : HDMI, DVI, RGB 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
- Up to 4 x 3.5Inch Hard Disk (SATA Type)
- One(1) DVD Writer for Video File Backup
- One(1) 10/100/1000Mbps Gigabit Ethernet Interface
- USB Interface Support (Front Side, Back Side)
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Product Highlights

AP-ISMS100 Integrated Security Management System

Next Generation Security Service Integration System



RTSP/RTP Protocol Support for Network based Video Monitoring



Hardware Specification

AP-ISMS100 Integrated Security Management System



- High Performance Computing Power
- Main Chassis
 - Network Interface
 - One(1) 10/100/1000Mbps Gigabit Ethernet
 - Video Output Interface
 - HDMI, DVI,RGB Video Output
 - Secondary Video Output Interface
 - USB 2.0 Interfaces for Mouse, Keyboard, etc
 - Up to Four(4) Hard Disk

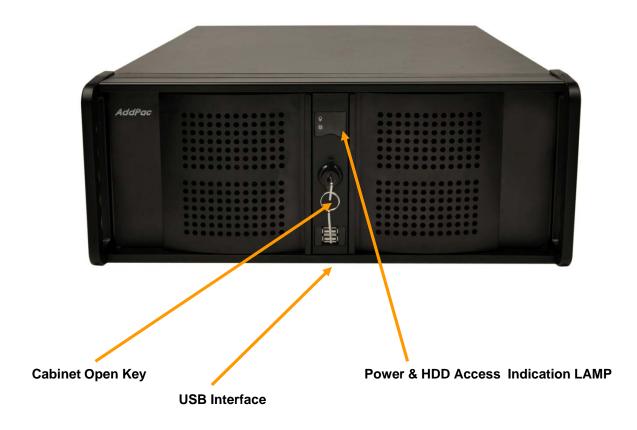


Hardware Specification

AP-ISMS100 Integrated Security Management System



Front Side



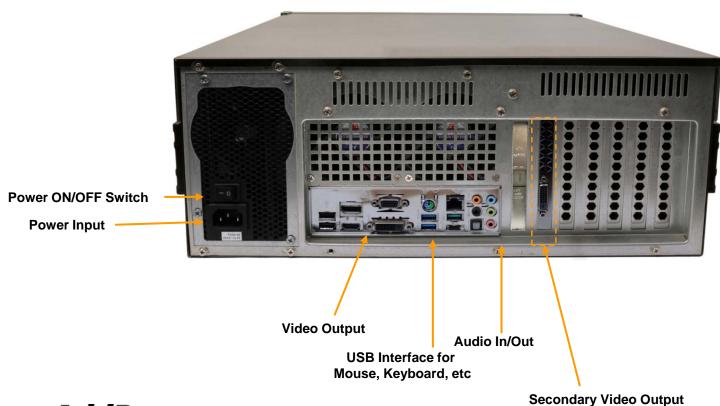


Hardware Specification

AP-ISMS100 Integrated Security Management System



Back Side

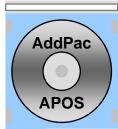




Software Service

AP-ISMS100 Integrated Security Management System

- Built-in AddPac APOS Internetworking Software
 - Scalability, Functionality, and Stability Features
 - Advanced HD Standalone DVR Recording & Streaming Features
 - QoS Control Features
- Firmware Upgradeable Architecture
- Industry Standard Network Protocol Features
- Highly User Friendly Management Features
 - MS-Window based Smart DVR Viewer
 - Smart DVR Manager









CCTV NVR Service

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Smart DVR Viewer

AP-ISMS100 Integrated Security Management System

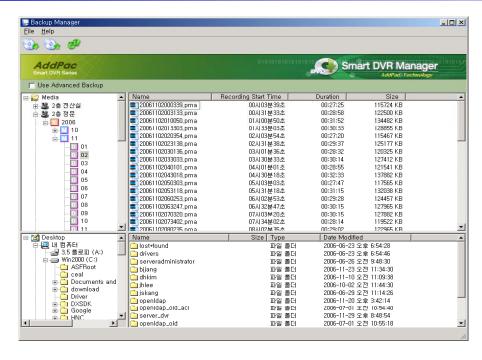


- Multi-Standalone DVR Server Support
- Onvif Protocol Support for CCTV Device Control
- PAN/TILT/ZOOM Control, Layout & Screen Mode Change
- Multi-Live View, Multi-Recording View, Time Synchronization View
- Fast Search, Jog Shuttle Slow Motion & Rewind
- Recording ZOOM View
- Audio/Video Support.



Smart DVR Backup Manager

AP-ISMS100 Integrated Security Management System



- DVR Backup Software for AddPac DVR Solution
- User can backup DVR data by using DVR Backup Manager.
- Support the Advanced Backup Function
- Support the Backup Data Restore Function
- DVD Burning Support



Sensor Management Service

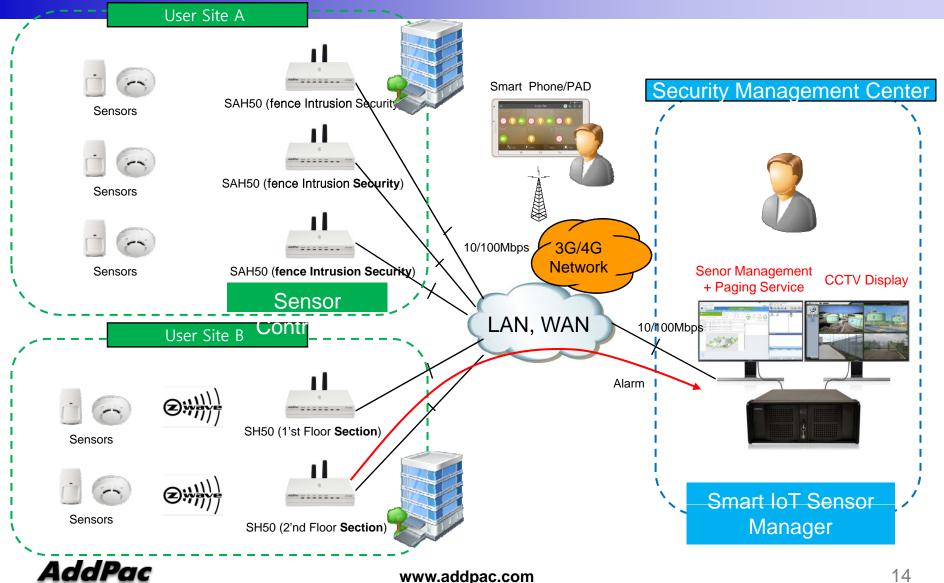


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- IoT Sensor Manager Service Diagram
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- Smart IoT Sensor Manager UI
 - Global Dashboard
 - Site Dashboard
 - Section List
 - Operator List
 - Section Dashboard
 - Device List
 - Active Alarms
 - Event History
 - Section View



Smart IoT Sensor Manager Service Diagram



Overview



Key Concepts for Enterprise IoT Solution

Enterprise Requirements

- The things in enterprise are controlled on much more complex environment and configurations than home.
- Network conditions and management requirements are also much more various than home.

Our Solution

- We do support flexible configuration of Sensor Controllers and Managers to meet various enterprise requirements.
- We do support several type of Sensor Controllers and Managers to meet various enterprise environments.
- We do support flexible management authority and access control for center/site operators and users.



Sensor Controller and Manager Role

Smart Sensor Controller

- It controls his section composed by several sensors.
- It provides his own smart phone app interface, PC web interface and Wall Pad interface to show sensor status and to control the sensors.
- It provides discovering sensor for inclusion and configure it.
- This Sensor Hub integrated with Controller provides robust on network and server fault.

Smart IoT Manager

- It monitors controller and sensor status for continuous service.
- It monitors alarm status of section and device by categorizing to safety alarm, security alarm, and system alarm.
- It controls multiple sections by task with immediately or schedule downloaded to controllers. (TBD.)



Hierarchical Administrative Domains

Super Administrator

He can manage multiple sites and site operators.

Site Operator

- A site is logically independent administrative domain which can be a building or a set of offices and buildings.
- A site is composed by multiple sections build up hierarchically.
- A site operator can manage all sections in his site.

Group Operator

A group operator can view and control his sections in a group.

User

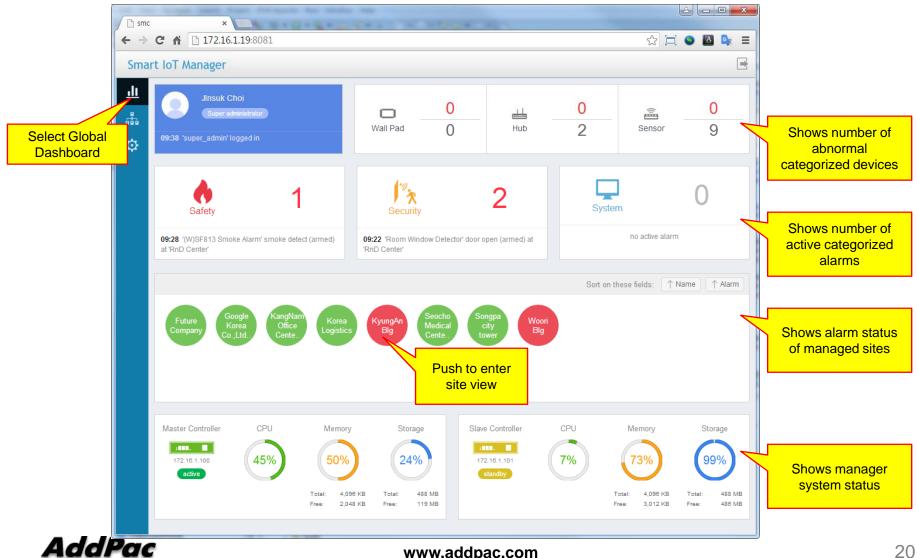
 An user can view and control his section by Wall Pad, PC web and smart phone app.



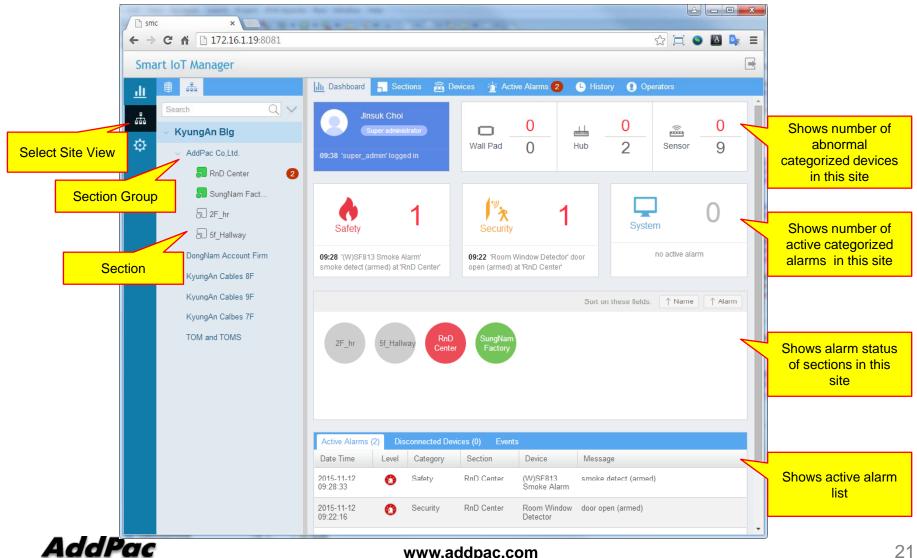
Manager UI



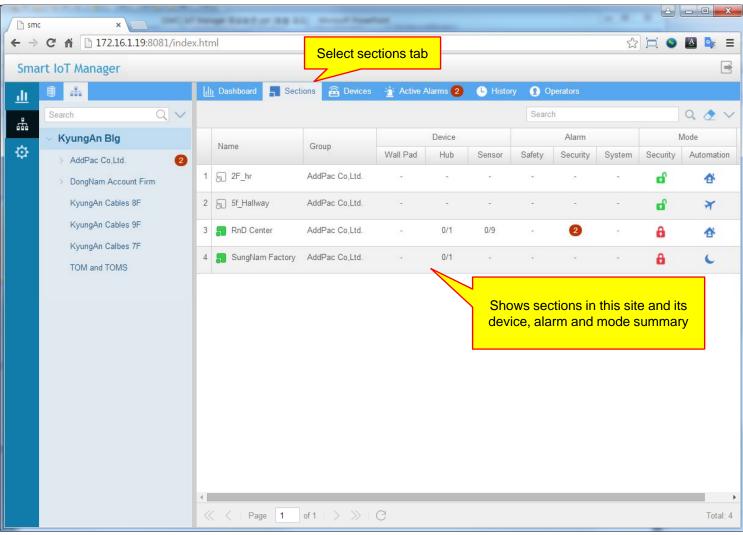
Global Dashboard



Site Dashboard

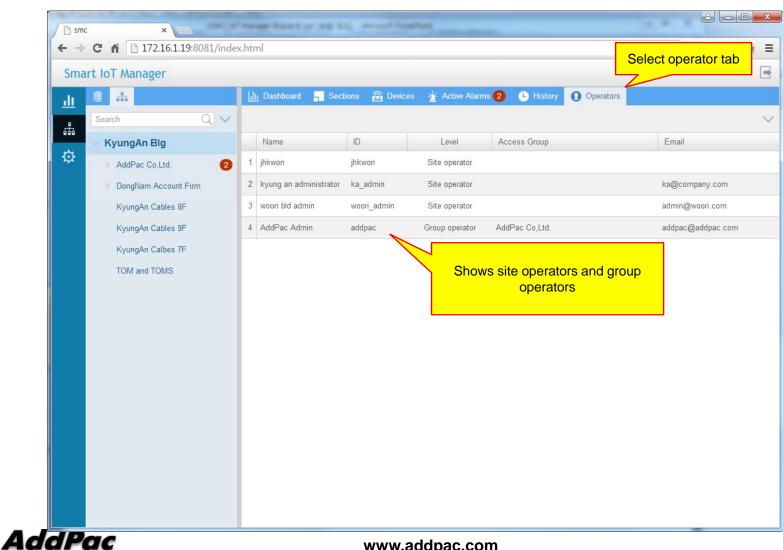


Section List

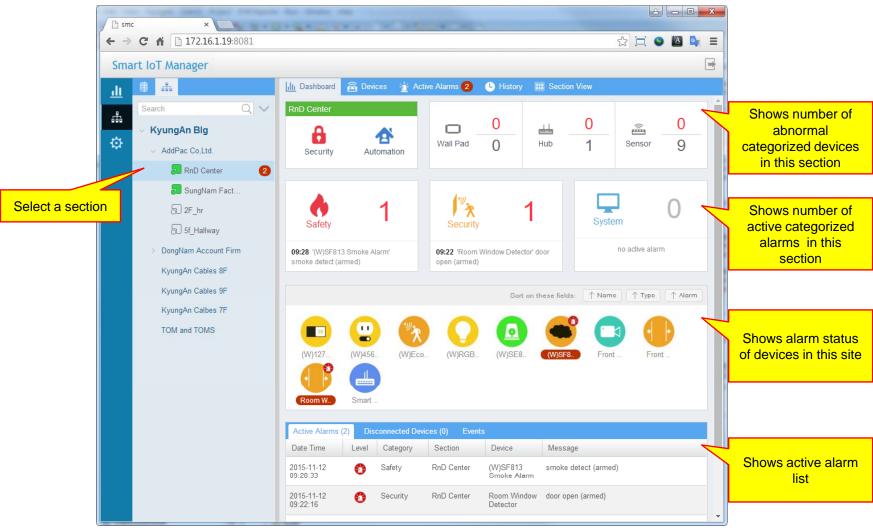




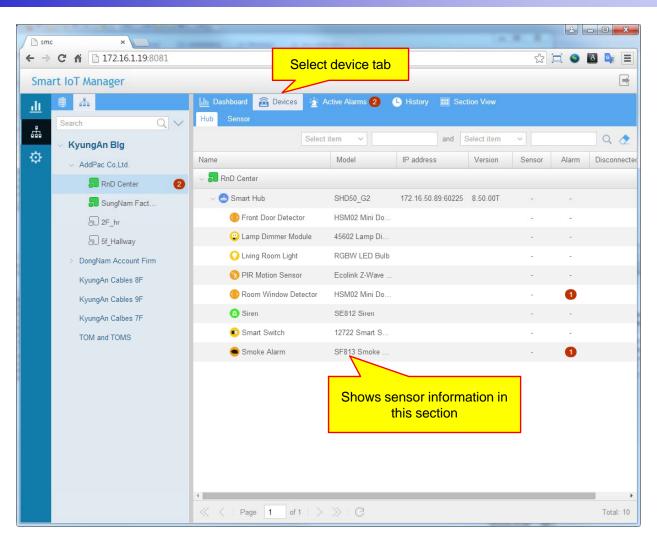
Operator List



Section Dashboard

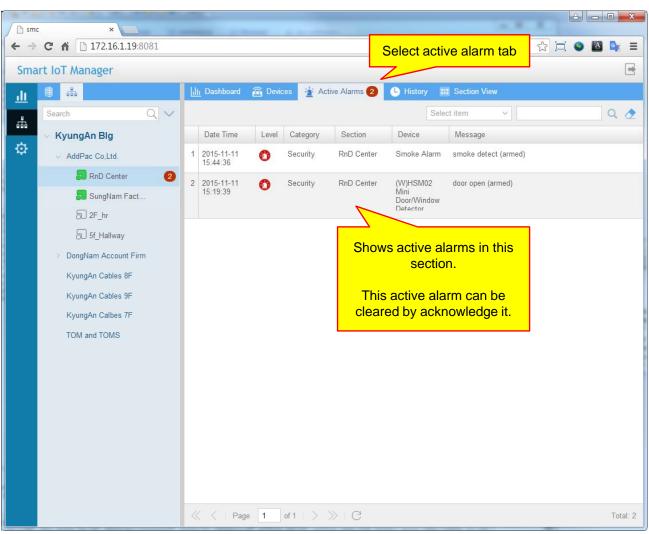


Device List



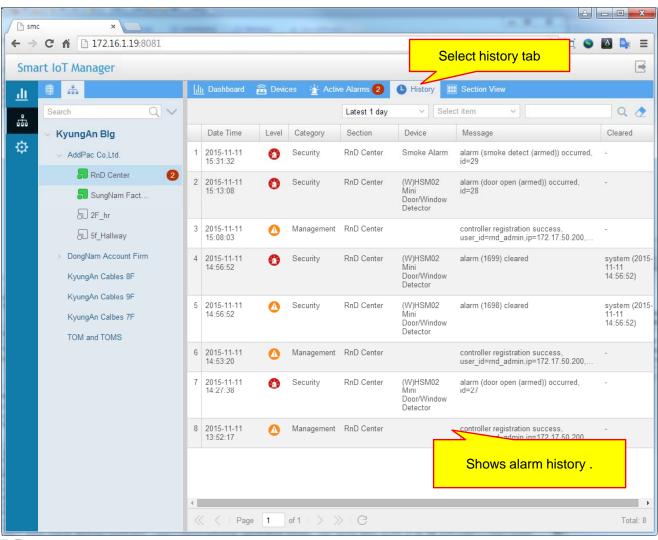


Active Alarms

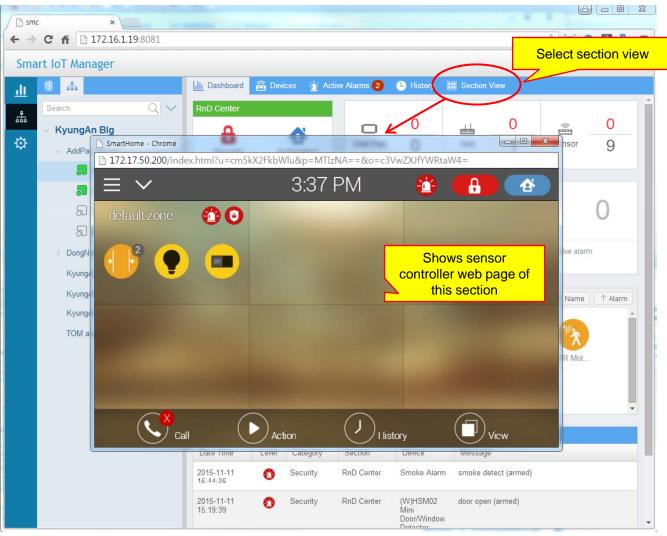




Event History



Section View





Emergency Paging Service

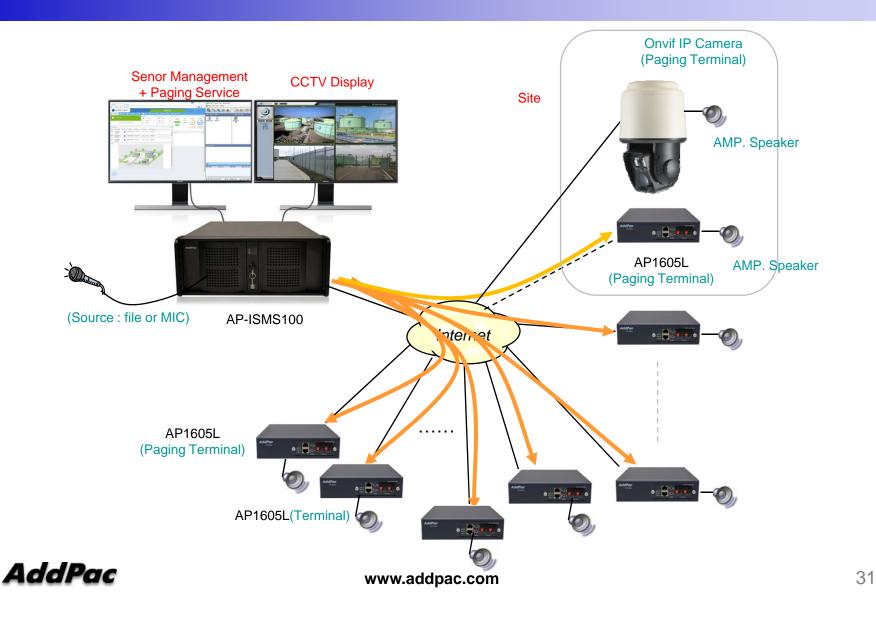


Contents

- Network Diagram
- Main Features
- Software Requirement
- Hardware Requirement
- GUI examples



Network Configuration



Main Feature

- Window based IP Broadcasting Server with Management Software
- Unicasting/Multicasting Service Support
- Onvif aware RTSP Protocol Support
- Onvif IP Camera Support for Broadcasting
- RTP (Real-time Transmission Protocol) Support
- Various Voice/Audio Codec Support (G.711, SPEEX, etc)
- User Register and Access Restriction Management
- Broadcasting Device Management
- Broadcasting Source, Group, Favorite List Management
- Reserved Broadcasting and Time Signal Broadcasting
- TTS Broadcasting
- IP Broadcasting Terminal Status Check, etc
- Search Event Log



Software Requirement

- 1. Database: MySQL Server 5.0
- 2. e-MBMS Server
 - Java JRE 1.5
 - e-MBMS Server
- 3. e-MBMS Client
 - e-MBMS Client



Hardware Requirement

1. e-MBMS Server H/W Requirement

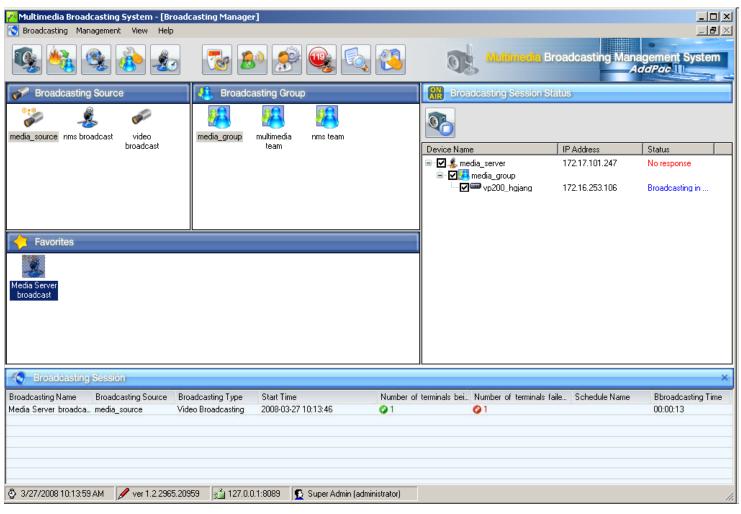
- CPU: Intel Pentium4 1GHz (minimum)
- MEMORY: 512Mbyte (minimum)
- HDD: 40GB
- OS: Windows XP, Windows 2000, Windows 7...

2. e-MBMS Client H/W Requirement

- CPU: Intel Pentium Series
- MEMORY: 256Mbyte (minimum)
- OS: Windows XP, Windows 2000, Windows 7...

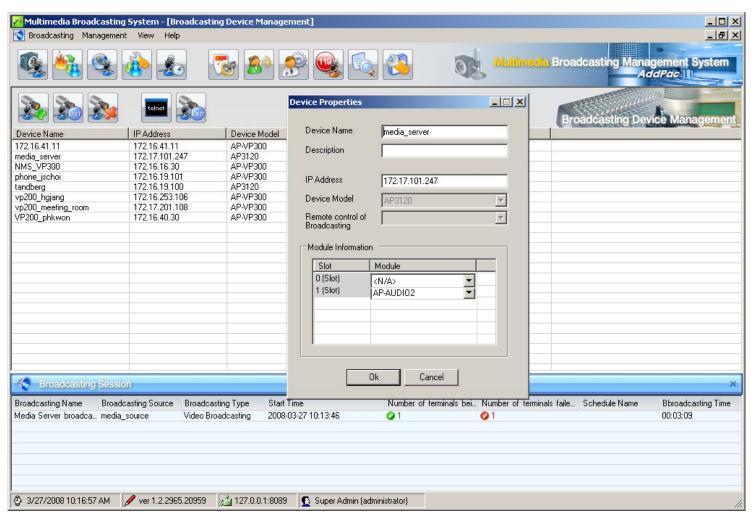


WBS GUI Initial Screen



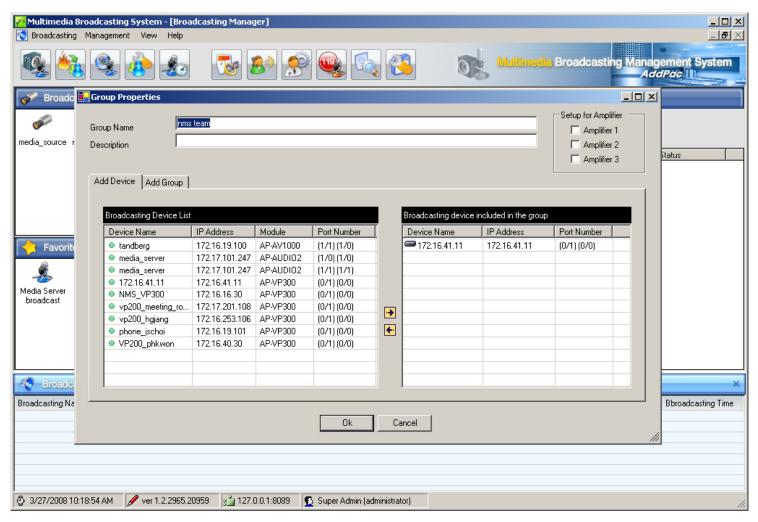


Broadcasting Device Management



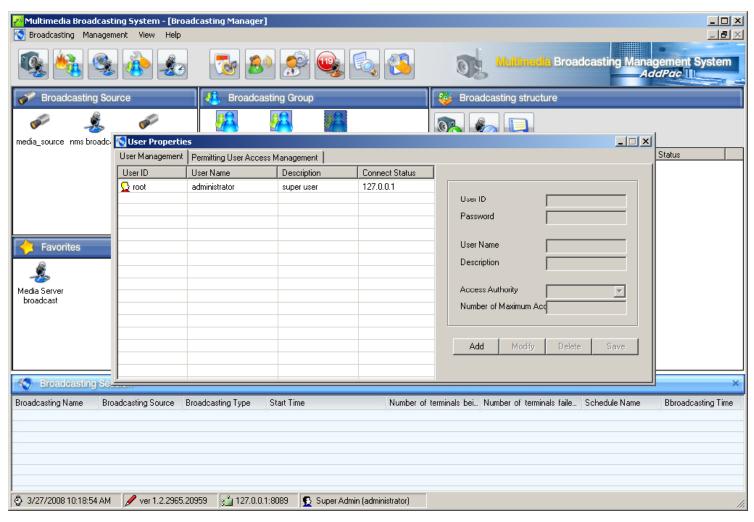


Broadcasting Group Management



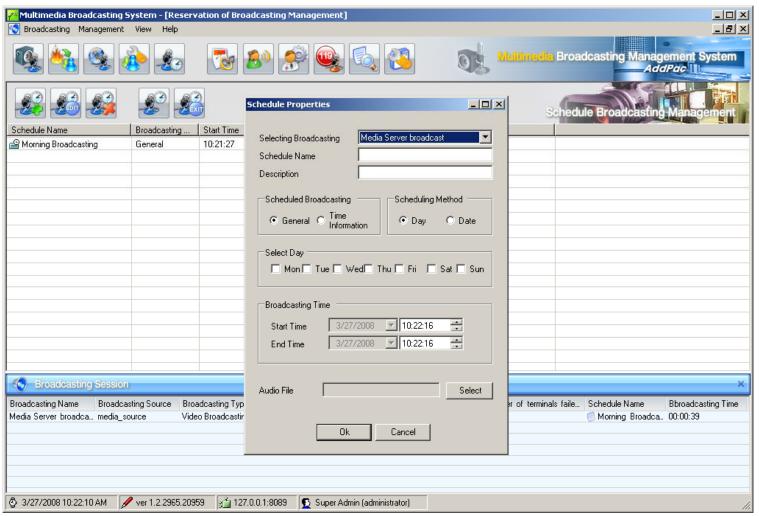


User Management



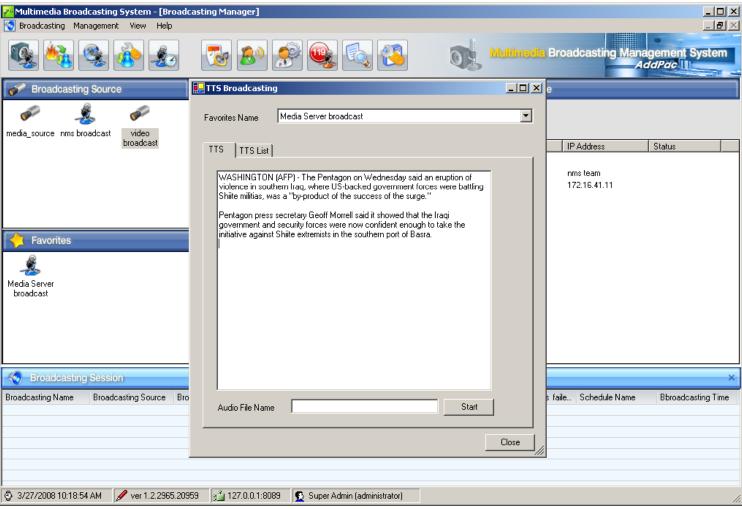


Reserved Broadcasting Management





TTS Broadcasting





RTSP Streaming Service

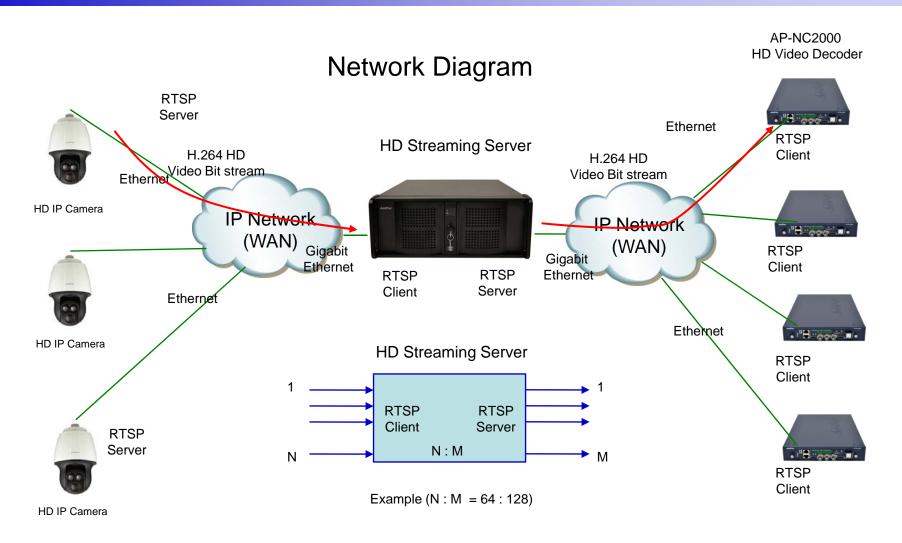


RTSP Streaming Service Overview

- RTSP based Full HD/HD/D1 Streaming Service
- RTSP Server & Client Architecture
- TCP/UDP Protocol Support
- HD Video Encoder, HD Video Decoder, HD Storage Server, HD Display Server RTSP based Interworking
- HD Video Bit-Stream Input
- HD Video Bit-Stream Output
- Load Balance using RTSP Redirect Service
- IP based Network Protocol Support



RTSP based Streaming Service Diagram



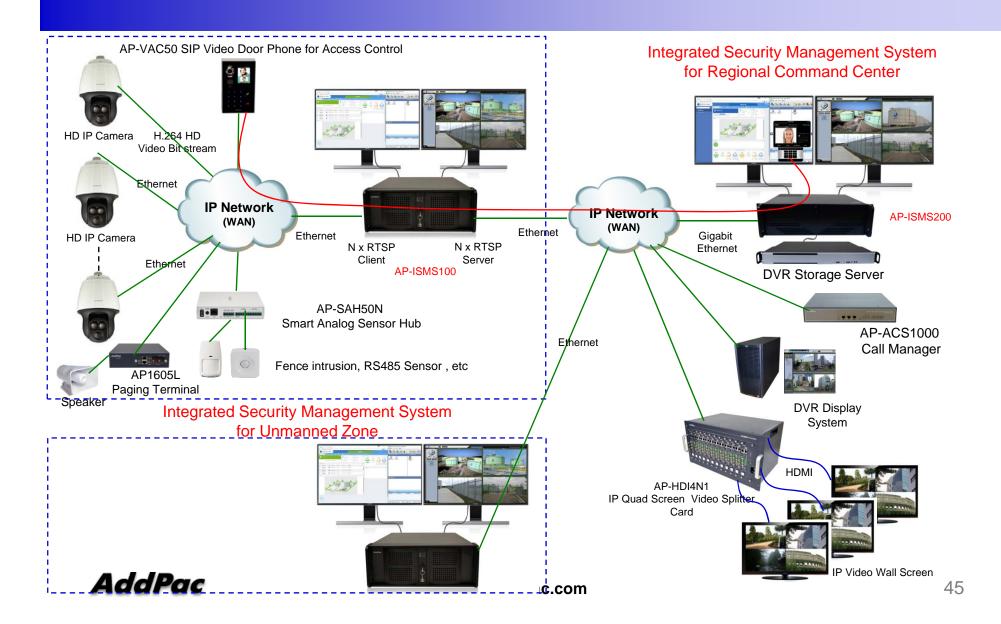


Network Service and Features

- RTSP (Real Time Streaming Protocol)
 - TCP transport
 - Session Description Protocol (SDP)
- Load balance
 - 302 Moved Temporarily
 - REDIRECT method (Optional, when the client support REDIECT)
- Video and Audio Support
 - Video Only
 - Audio Only
 - Video + Audio



Standard Application Diagram



Integrated Security Management System Comparison

| Model | AP-ISMS100 for unmanned zone | AP-ISMS200 for regional command center |
|---|------------------------------|---|
| Service | | |
| Onvif based NVR CCTV Service | Support (Small Capacity) | Support (Large Capacity, Storage Backup) |
| RTSP Streaming Service | Support | Support |
| Security Sensor Management | Support | Support |
| Voice Paging Service for emergency | Support | Support |
| Access Control Service using Video Door Phone | N/A | Support |



Ordering Information

- AP-ISMS100 Integrated Security Management System
 - AP-ISMS100 Main Body
 - Secondary Video Output Interface
 - Including Power Supply Cable, etc.
 - Option : Video Cable (HDMI, DVI, RGB)
 - Option : Hard Disk (2ea ~ 4ea)
- Built-in APOS Internetworking Software for AP-ISMS100
- Including 1 Year Hardware Warranty
- Product Documents
 - Install and Operation Guide (PDF)
- Pricing
 - AddPac Technology Regional Sales Manager
 - Authorized Sales and Marketing Representatives
 - Please Contact www.addpac.com



Thank you!

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