

# AP-ISMS200

## Integrated Security Management System

High-performance Integrated Security Management System  
Solution

### Fire Sensor Alarm Solution

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



**AddPac**

**AddPac Technology**

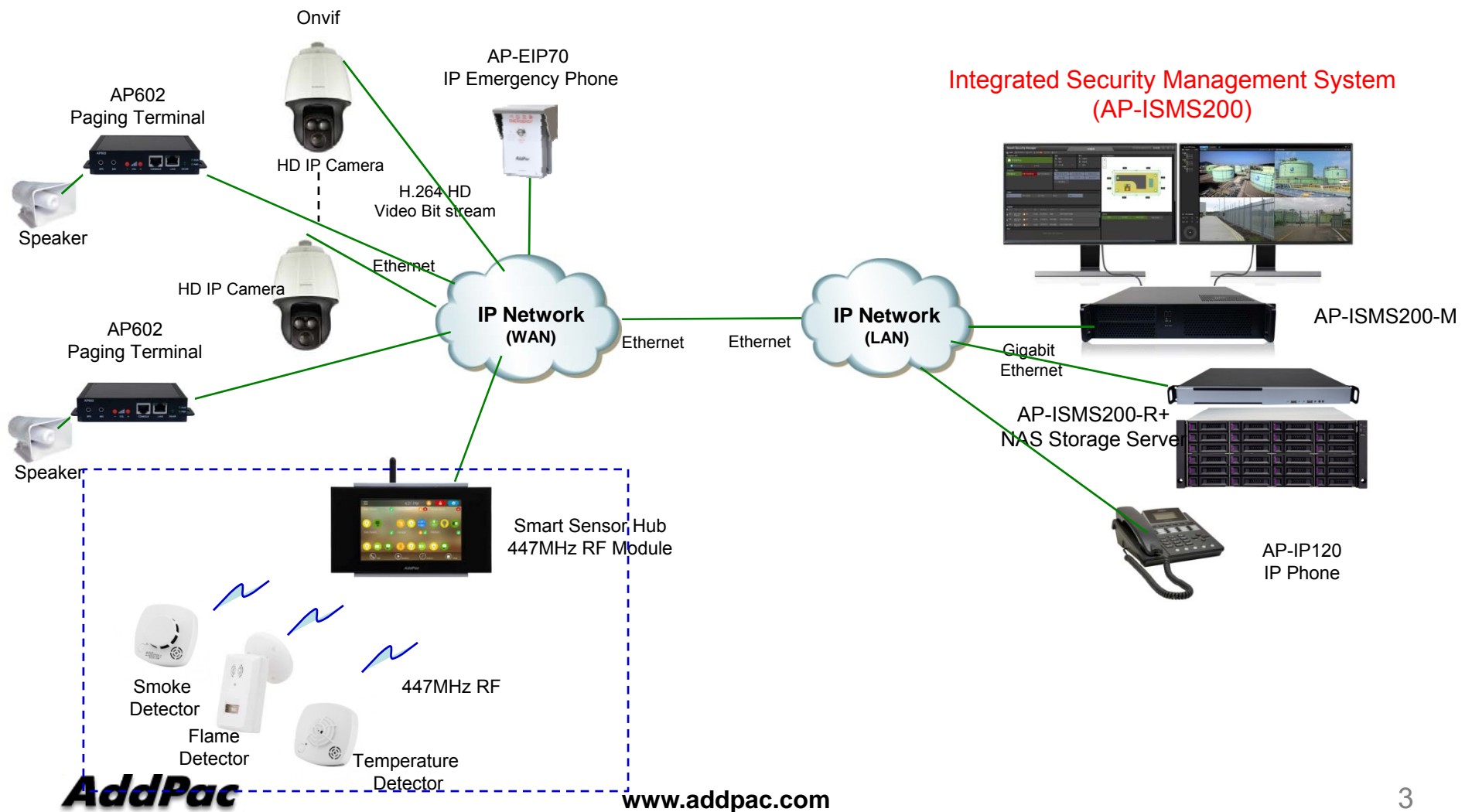
Sales and Marketing

[www.addpac.com](http://www.addpac.com)

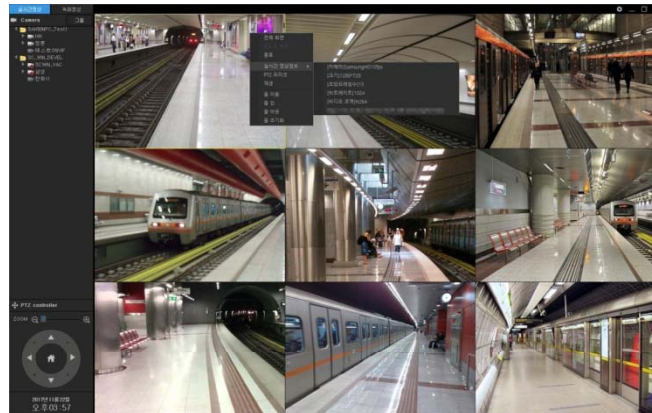
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  - IP Emergency Voice Paging Service : Option
  - IP Emergency Intercom Service : Option
  - RTSP Streaming Service : Option
- **Product Component Table**
- Ordering Information

# Network Diagram



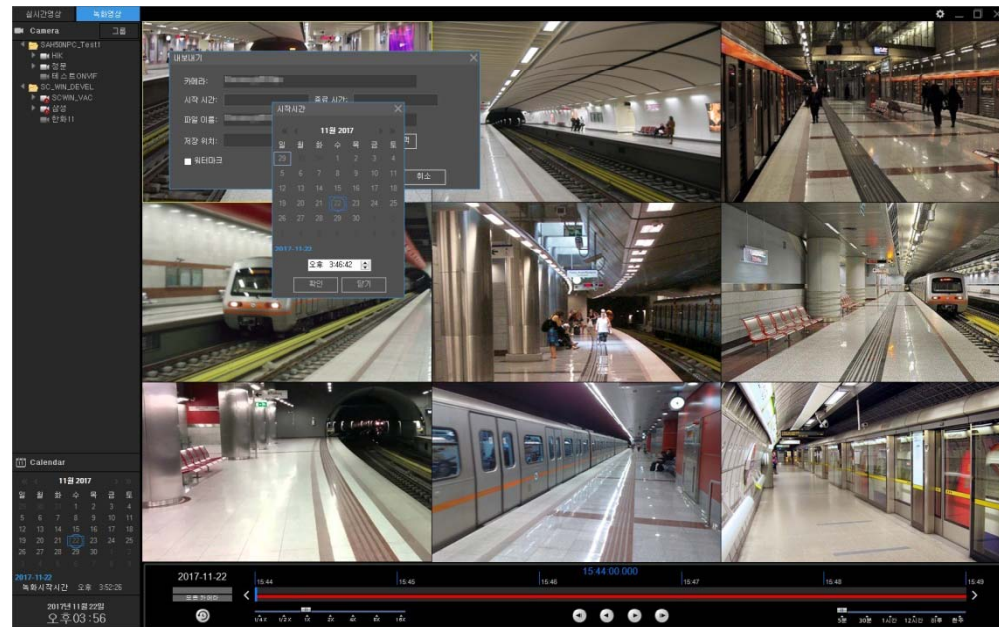
# CCTV VMS Service





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- New Smart VMS Viewer Overview
- VMS UI Design (examples)



# New Smart DVR Viewer Overview

- IP based Multi-Channel Video Streaming Displayer (Live, Recording)
- **Onvif Protocol Support**
- RTSP/RTP Video Streaming Protocol Support
- H.264(1080P, 720P) HP/MP/BP Video Codec Support
- **H.265 Video Codec Support (Option)**
- MPEG4, MJPEG Video Codec Support (Option)
- Full HD (1080P), HD(720P), D1 Video Resolution Support
- Four(4) or One(1) Channel Video Layout (Video Splitter)  
Option : Nine(9) Channel Video Layout (Video Splitter)
- 4ch Layout , 1ch Layout Display (Round Robin Display)
- **UHD Display Support (Option)**
- Video Solution with Outstanding Network Service Capability
- MS-Window based Software Platform
- Dark and Black Design Concept

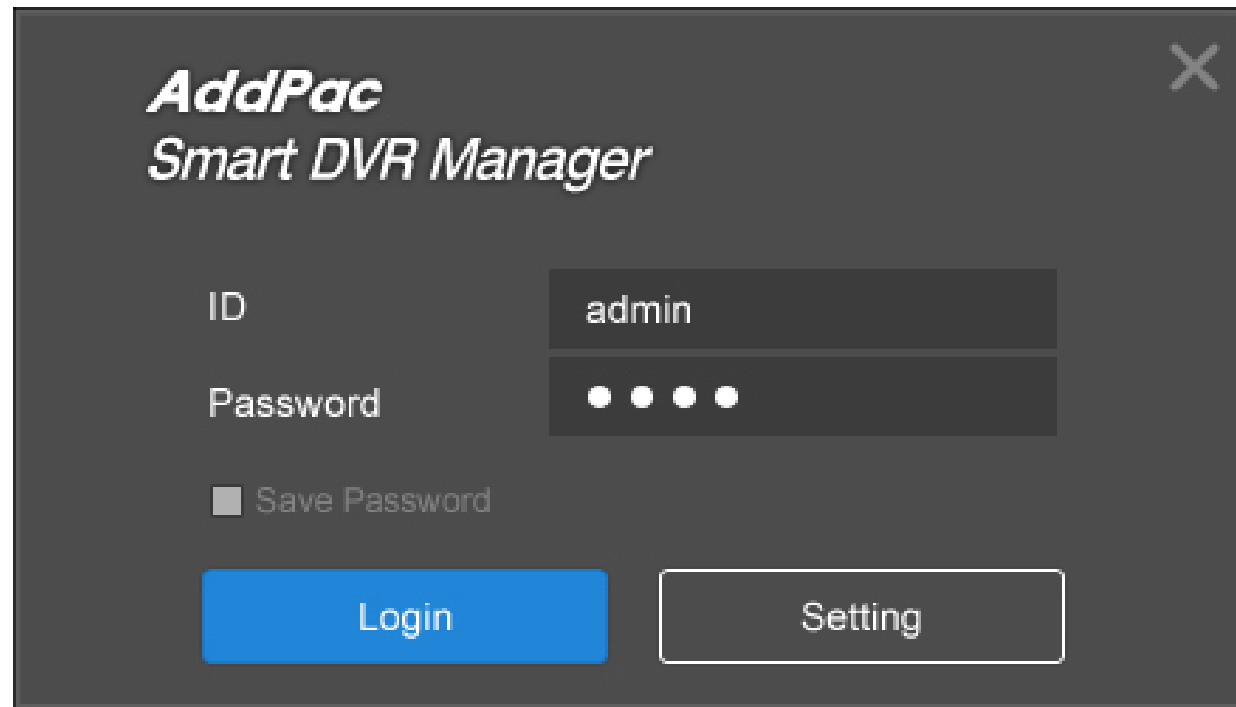
# UI Design & Examples



# Contents

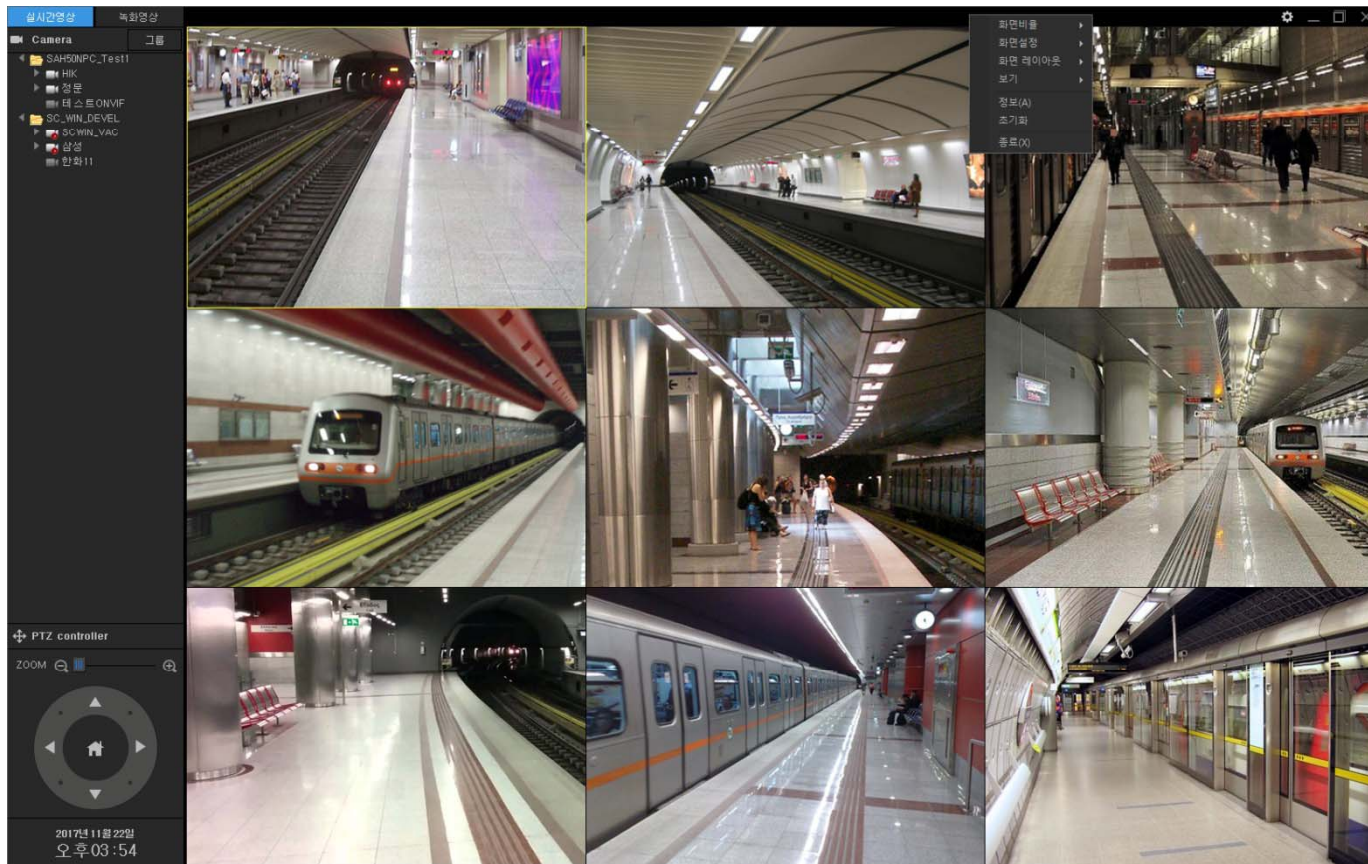
- Login View, Main View
- Top Side Menu : Menu Bar Hidden
- Menu bar Hidden : 4channel Video Splitter (Example)
- Live View Display Channel Layout
- Display Aspect Ratio Config.
- Subtitle Display Position Config.
- Live View Camera Config.
- Live View Camera PTZ Preset, Preset Move
- Live View Camera Real-time Video Information Display
- Live View (1,4,9,16) Example
- Recording View PopMenu, Video Export Menu
- Recording View (1,4,9) Example

# UI examples : Login



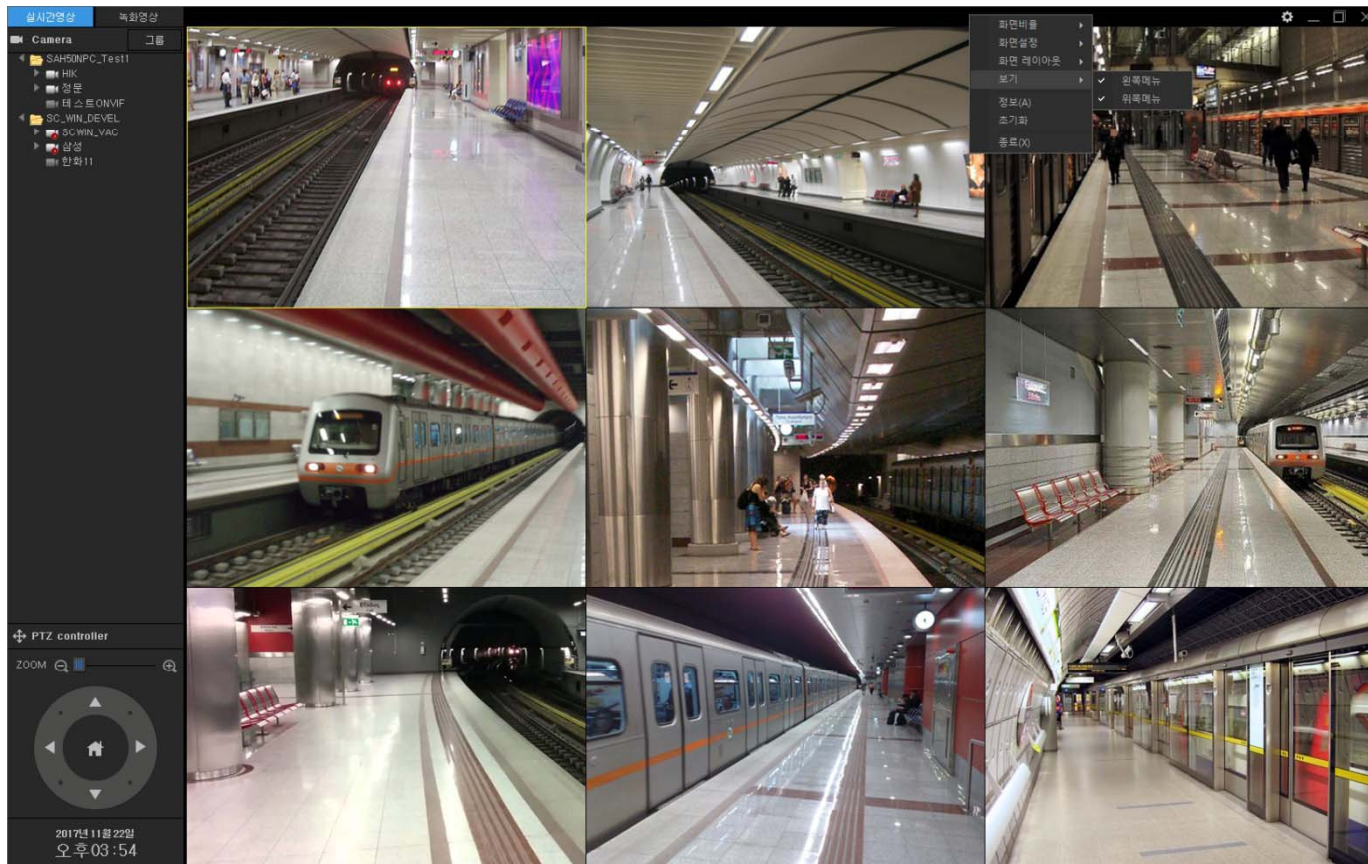
The image shows a dark-themed login window for 'AddPac Smart DVR Manager'. The window has a title bar with the text 'AddPac Smart DVR Manager' and a close button (X) in the top right corner. Below the title, there are two input fields: 'ID' with the value 'admin' and 'Password' with four dots representing a masked password. Below the password field is a checkbox labeled 'Save Password' which is currently unchecked. At the bottom of the window, there are two buttons: a blue 'Login' button and a white 'Setting' button with a black outline.

# UI examples : Top Side Menu

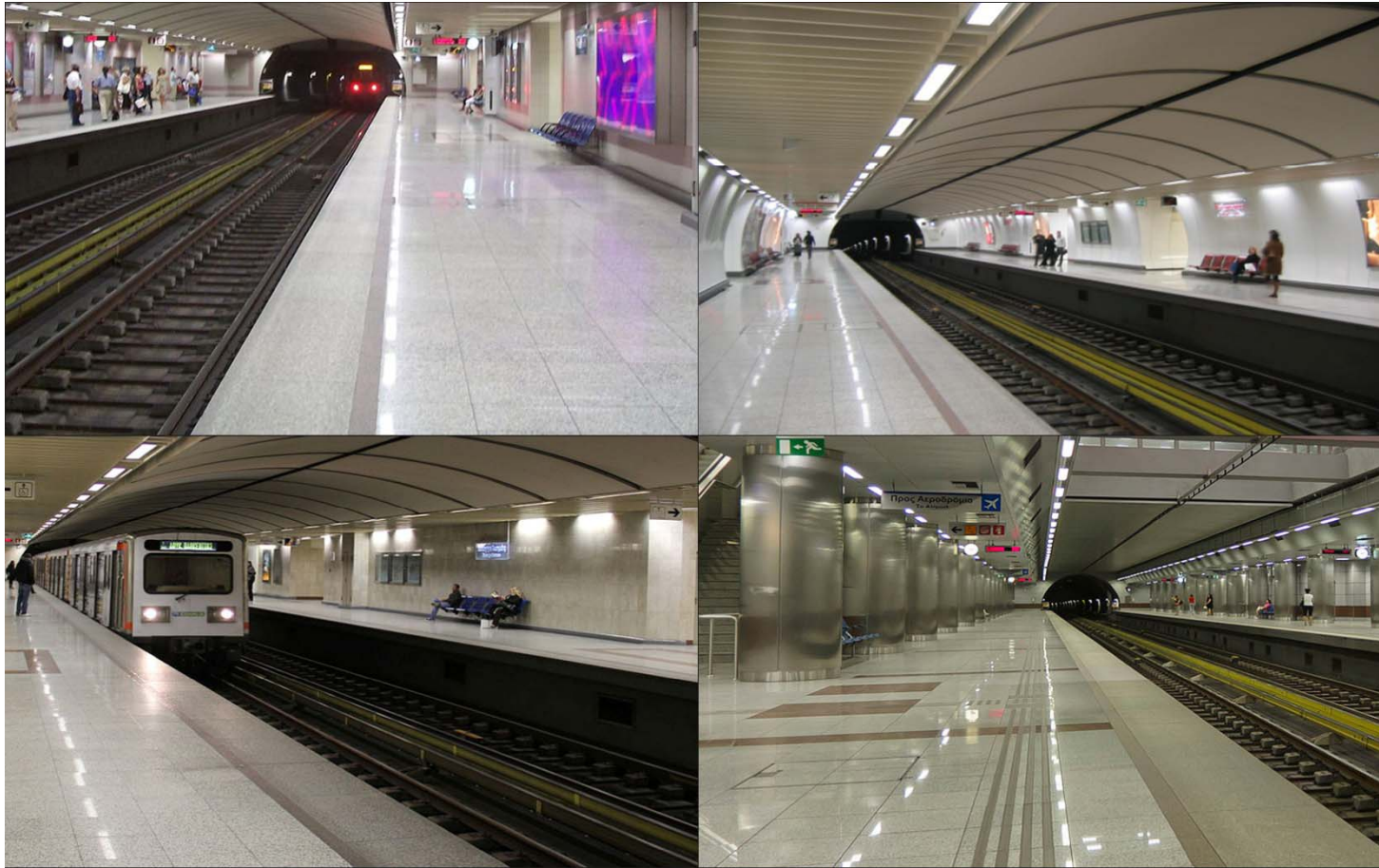




# UI examples : Top Side Menu (Hidden)

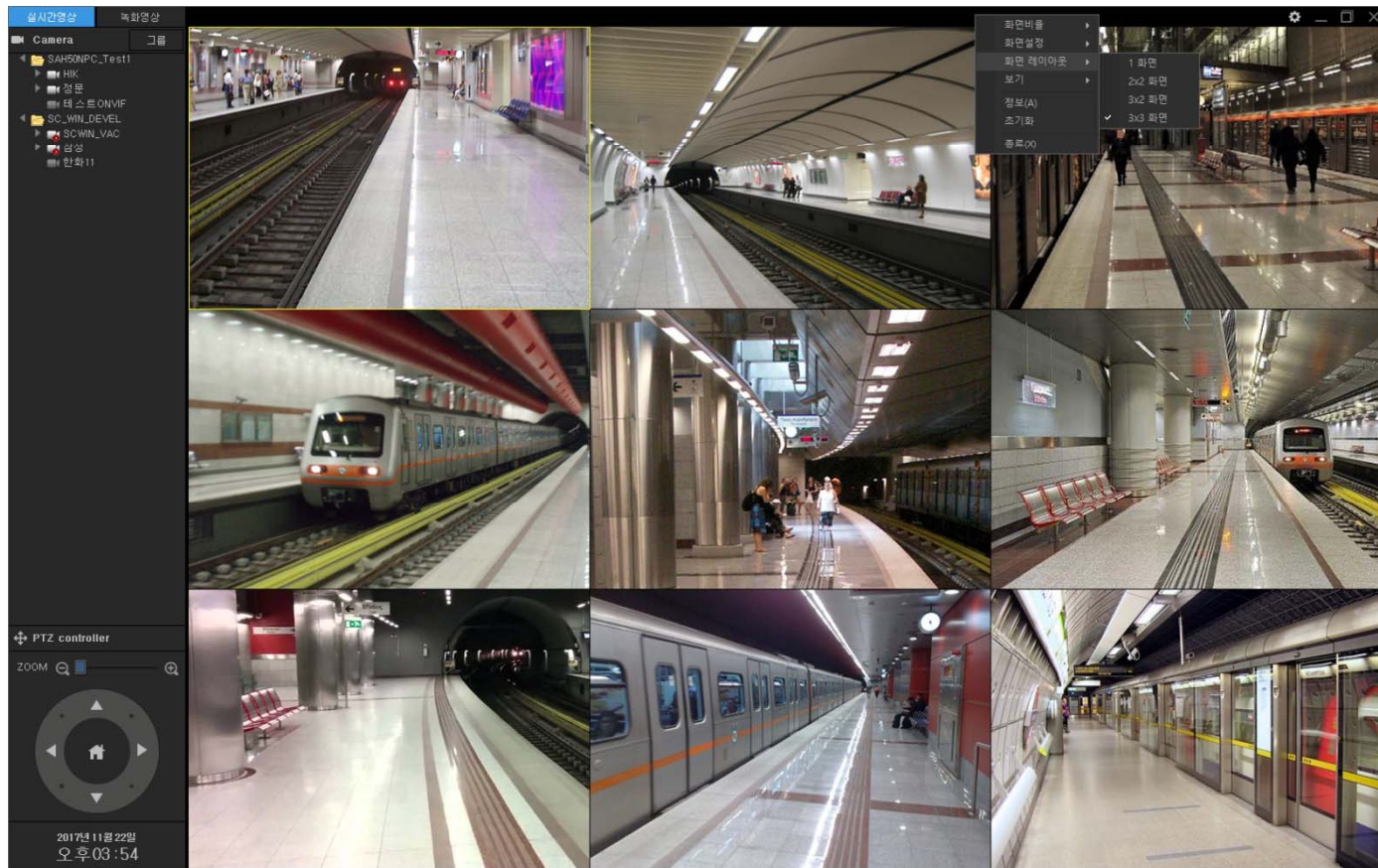


# UI examples : Top Side Menu (Hidden, 4Channel Video Splitter)

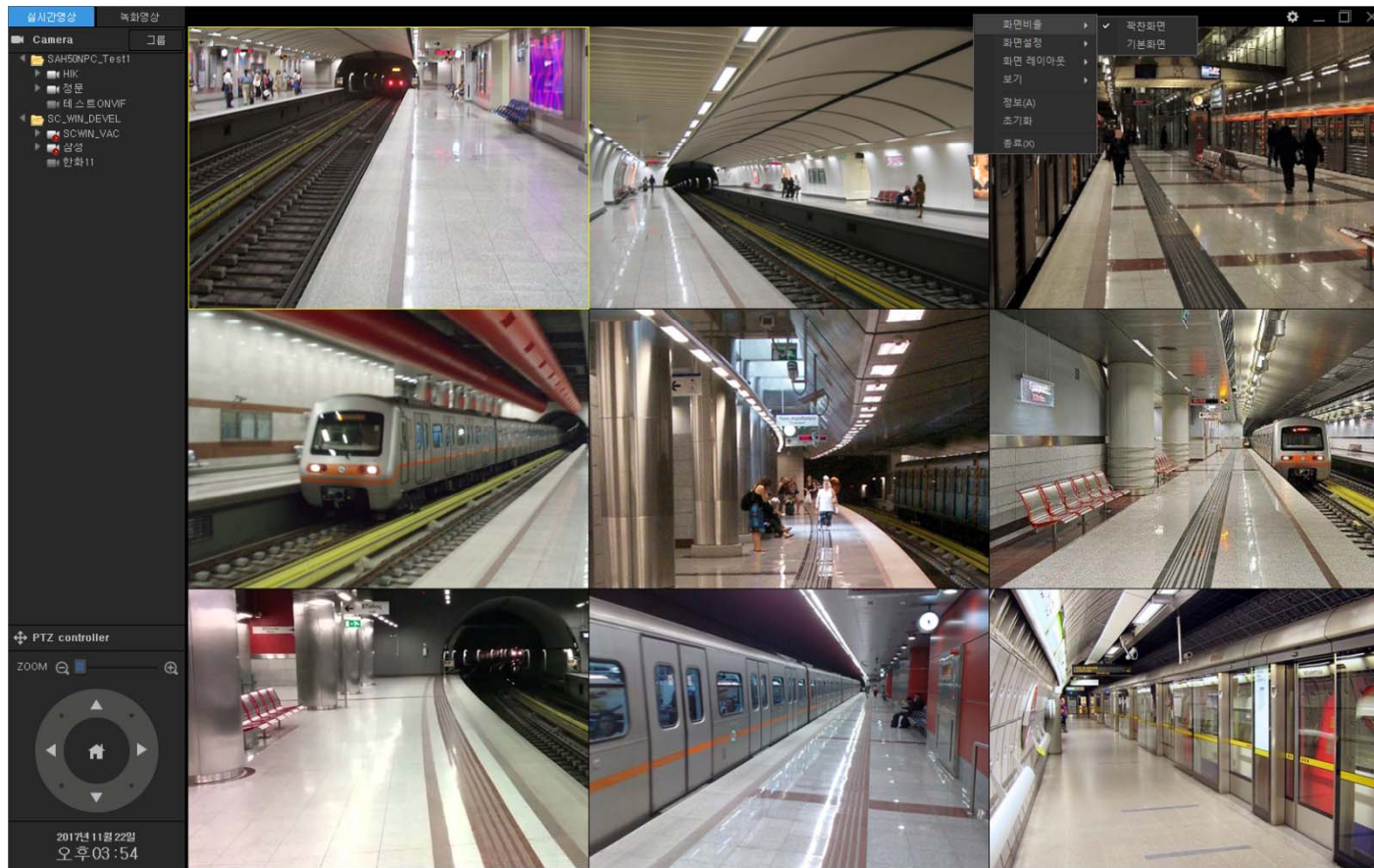




# UI examples : Top Side Menu (Layout)

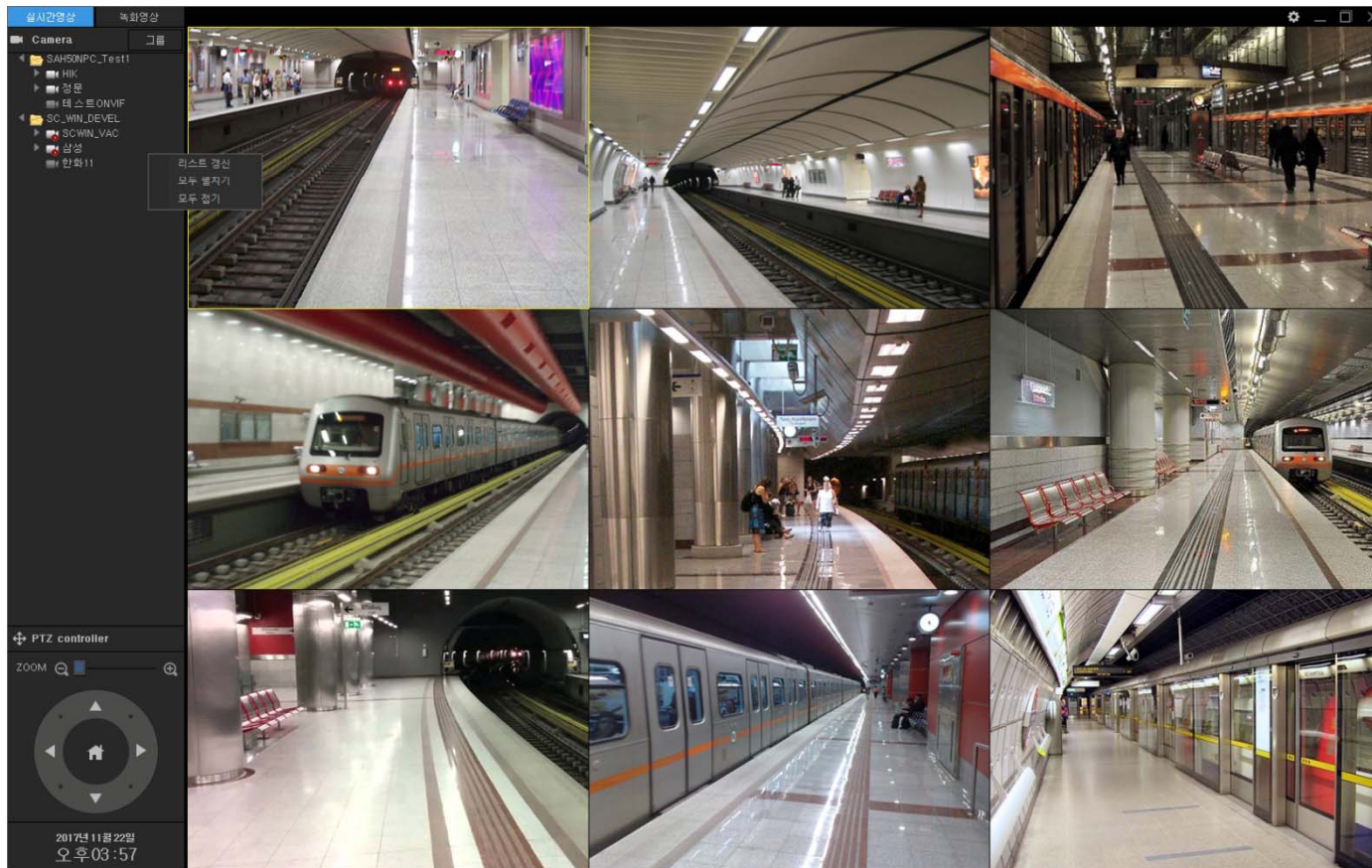


# UI examples : Top Side Menu (Aspect Ratio)

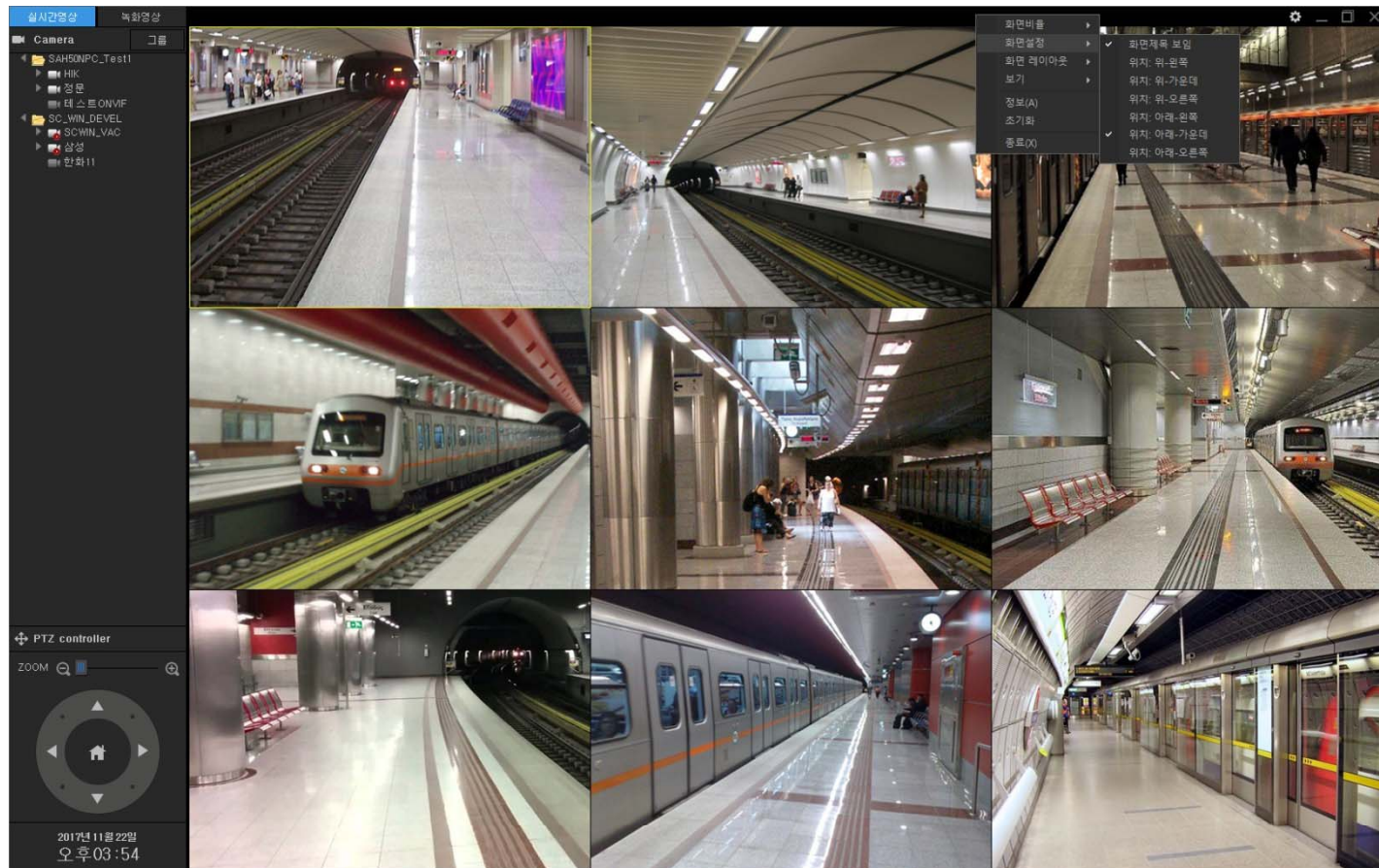




# UI examples : Top Side Menu (Aspect Ratio)

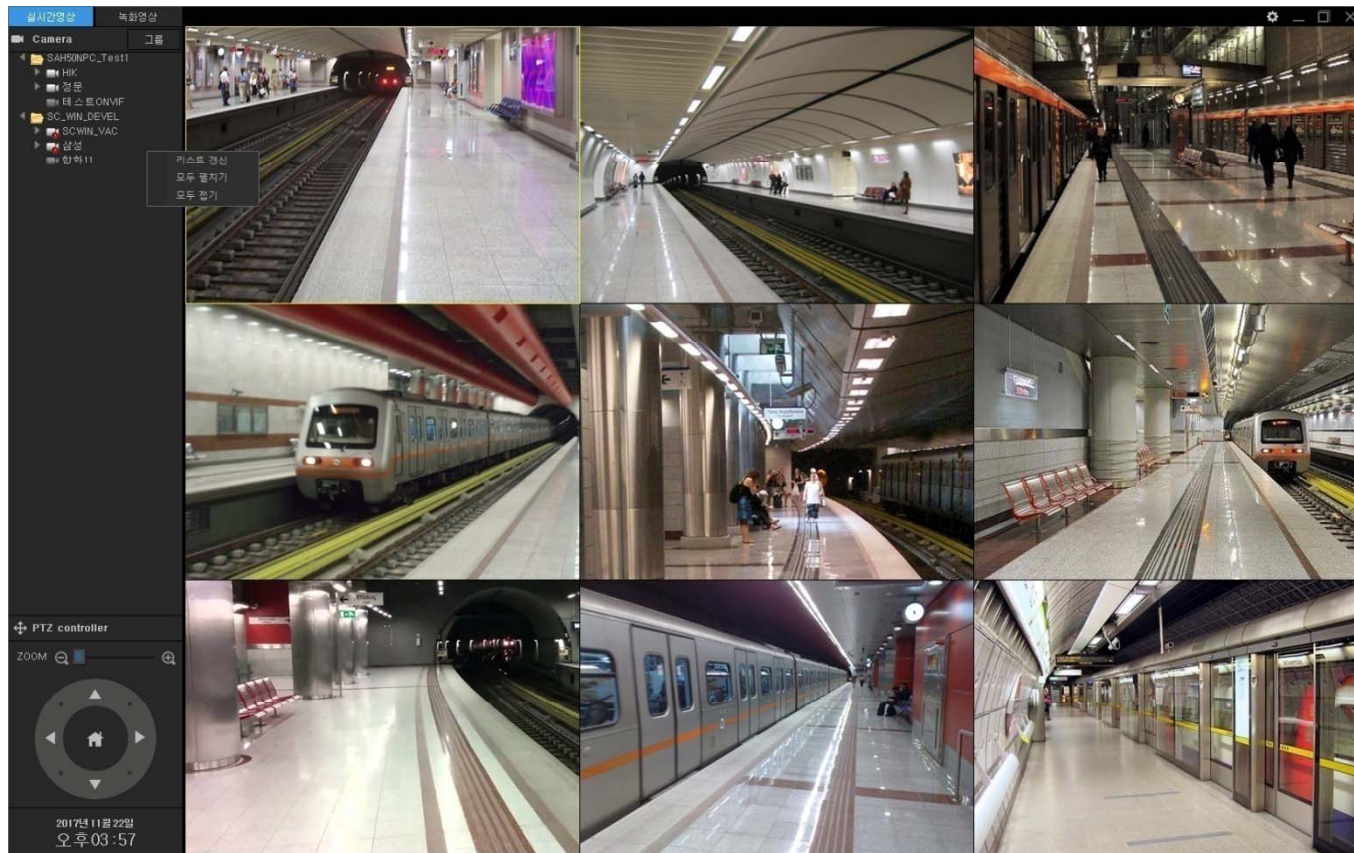


# UI examples : Top Side Menu (Title Bar Position)

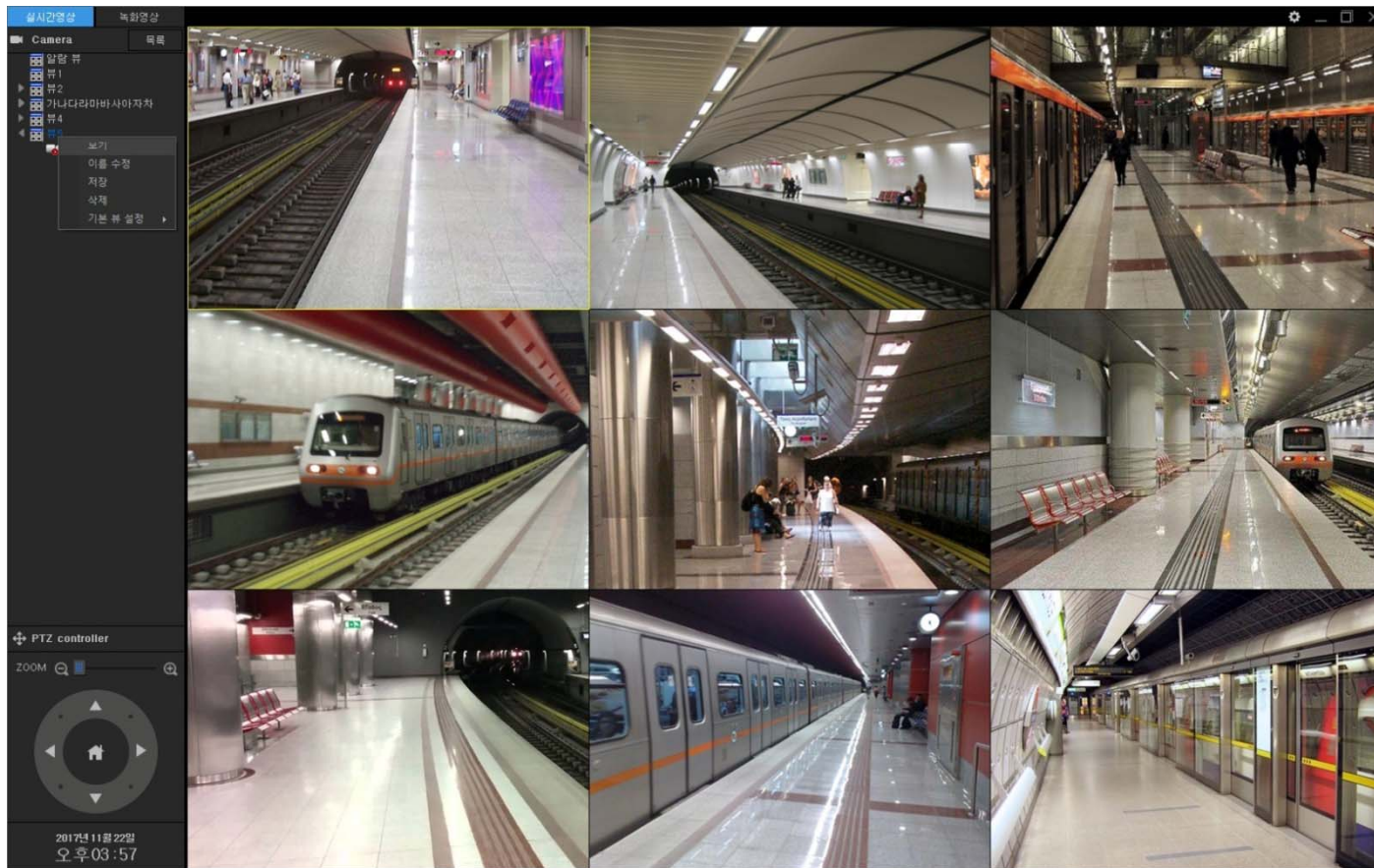




# UI examples : Live Viewer

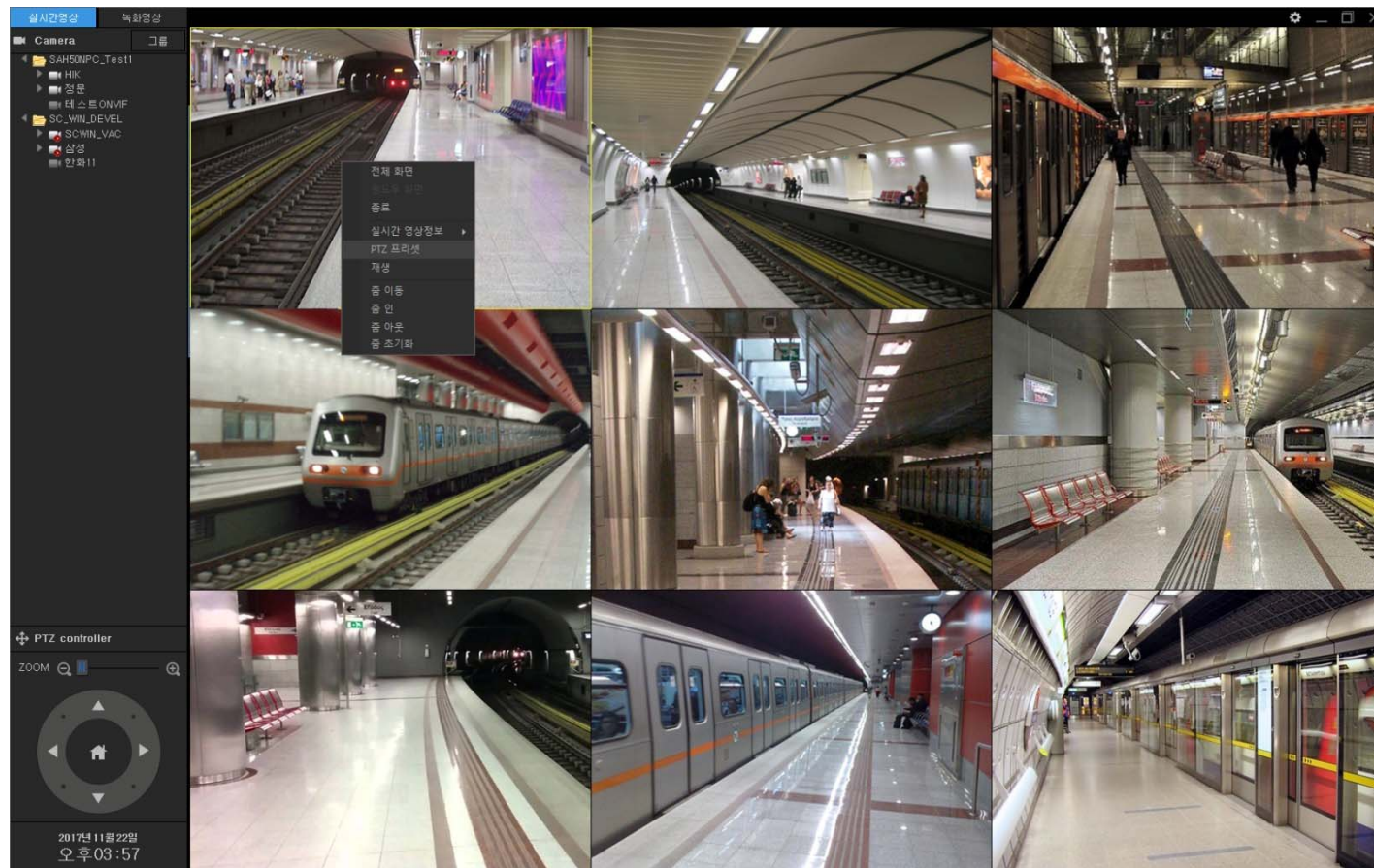


# UI examples : Live Viewer (Camera Configuration)

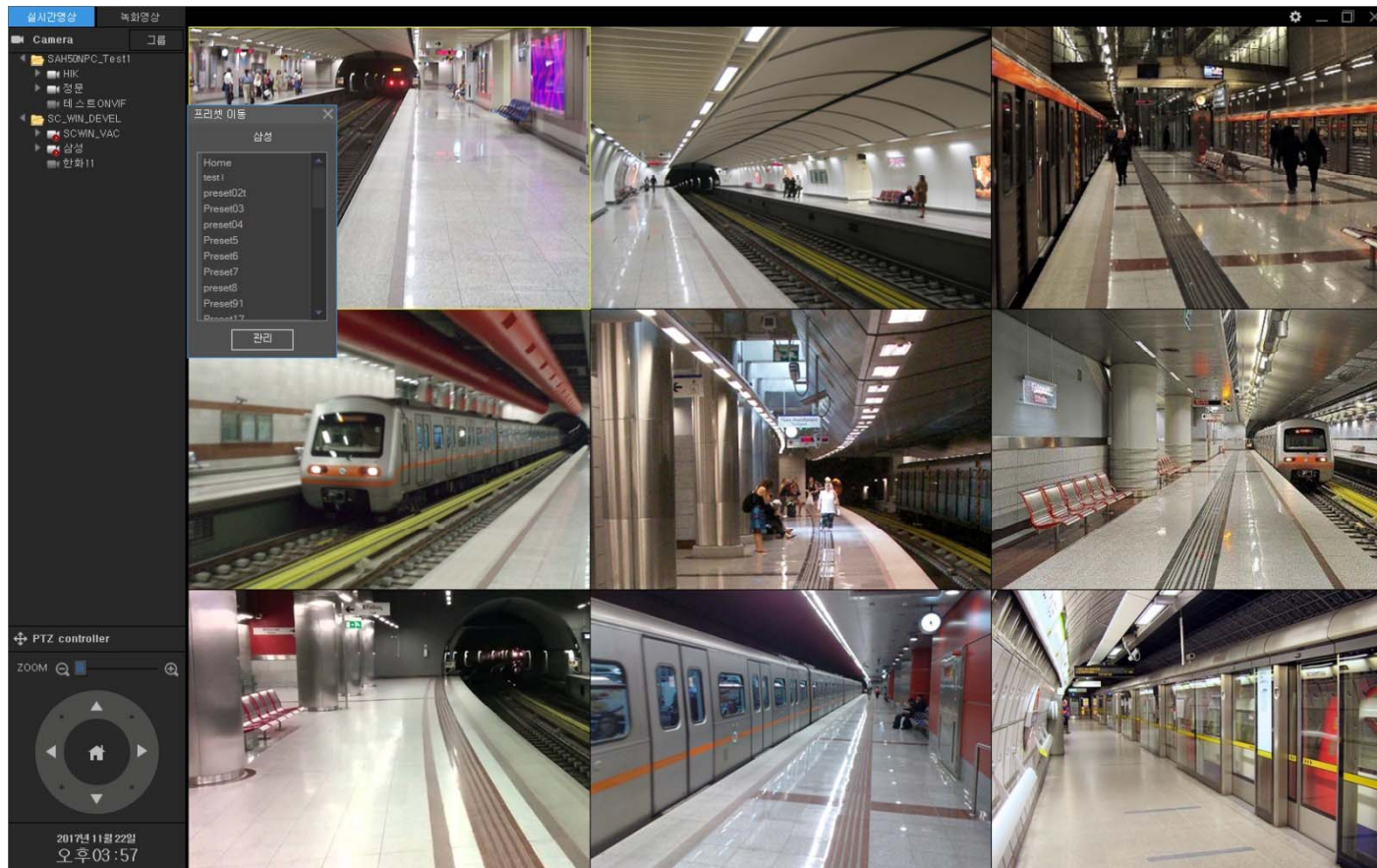




# UI examples : Live Viewer (PTZ Preset)

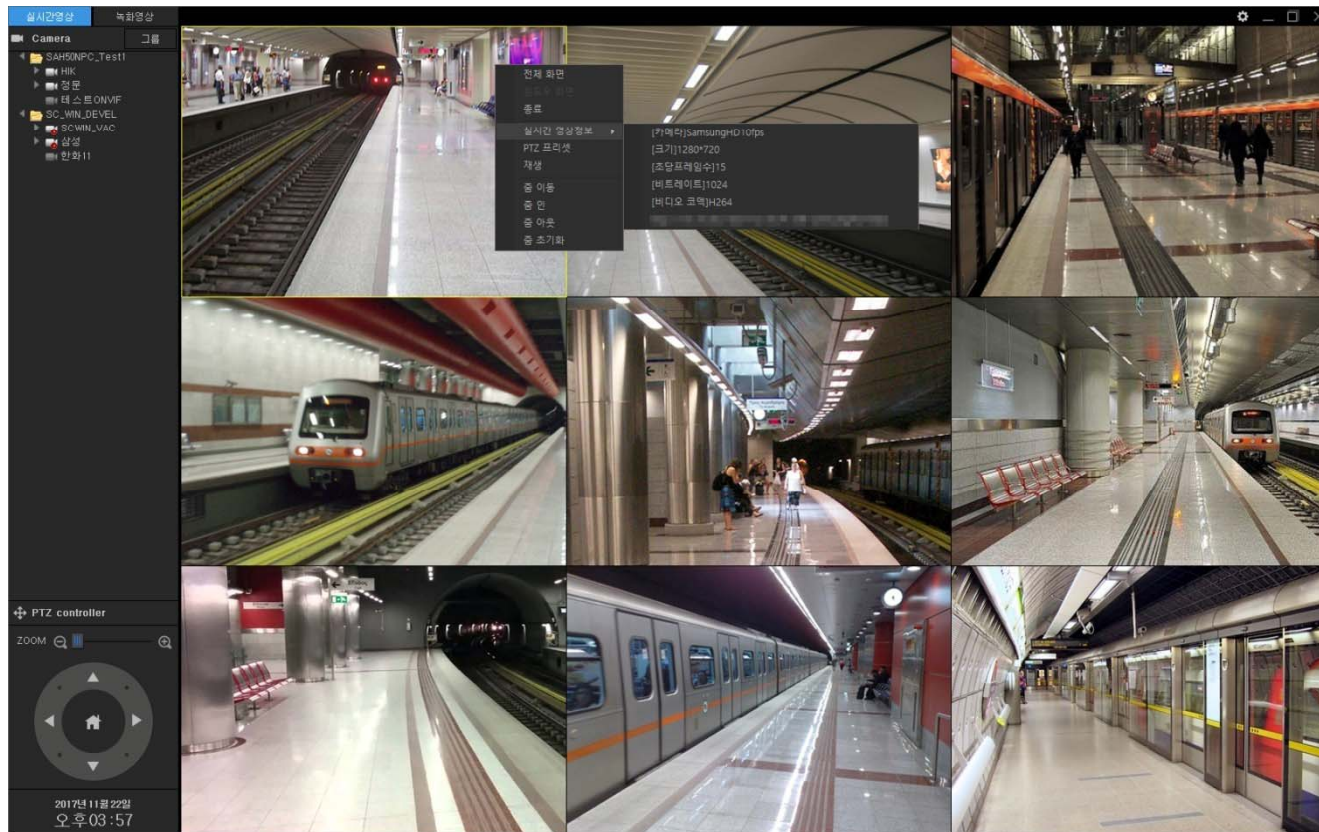


# UI examples : Live Viewer (PTZ Preset Move)

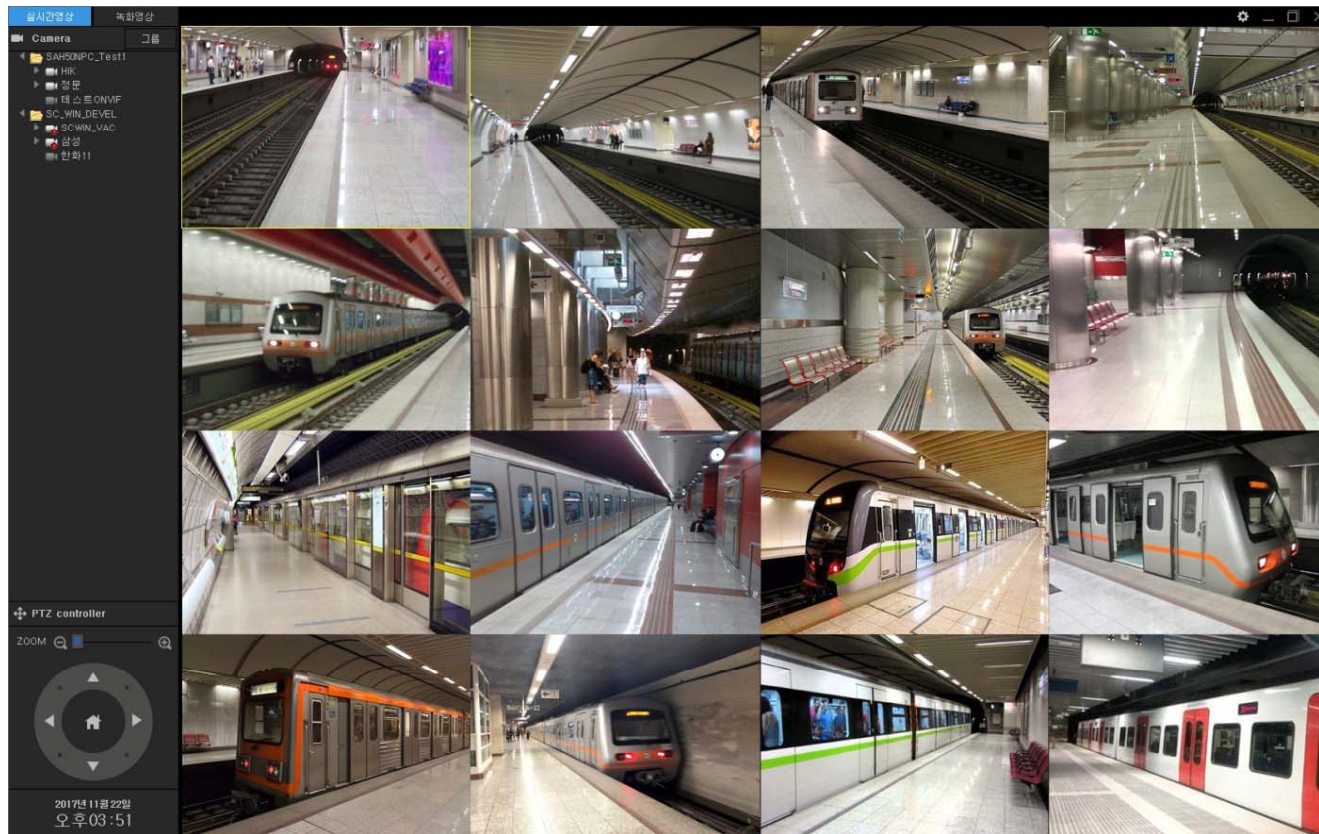




# UI examples : Live Viewer (Real-time Video Information Display)

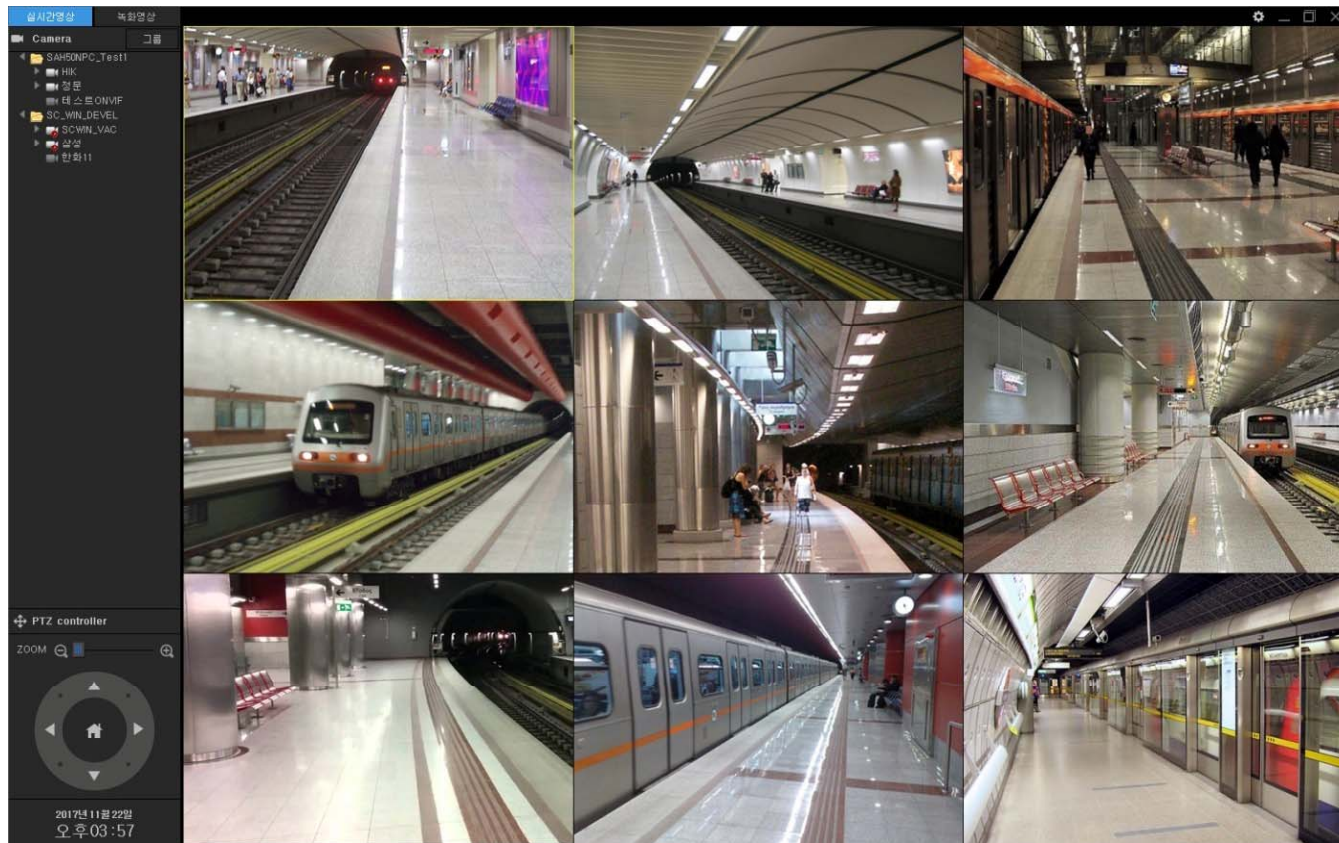


# UI examples : 16 Channel Live View

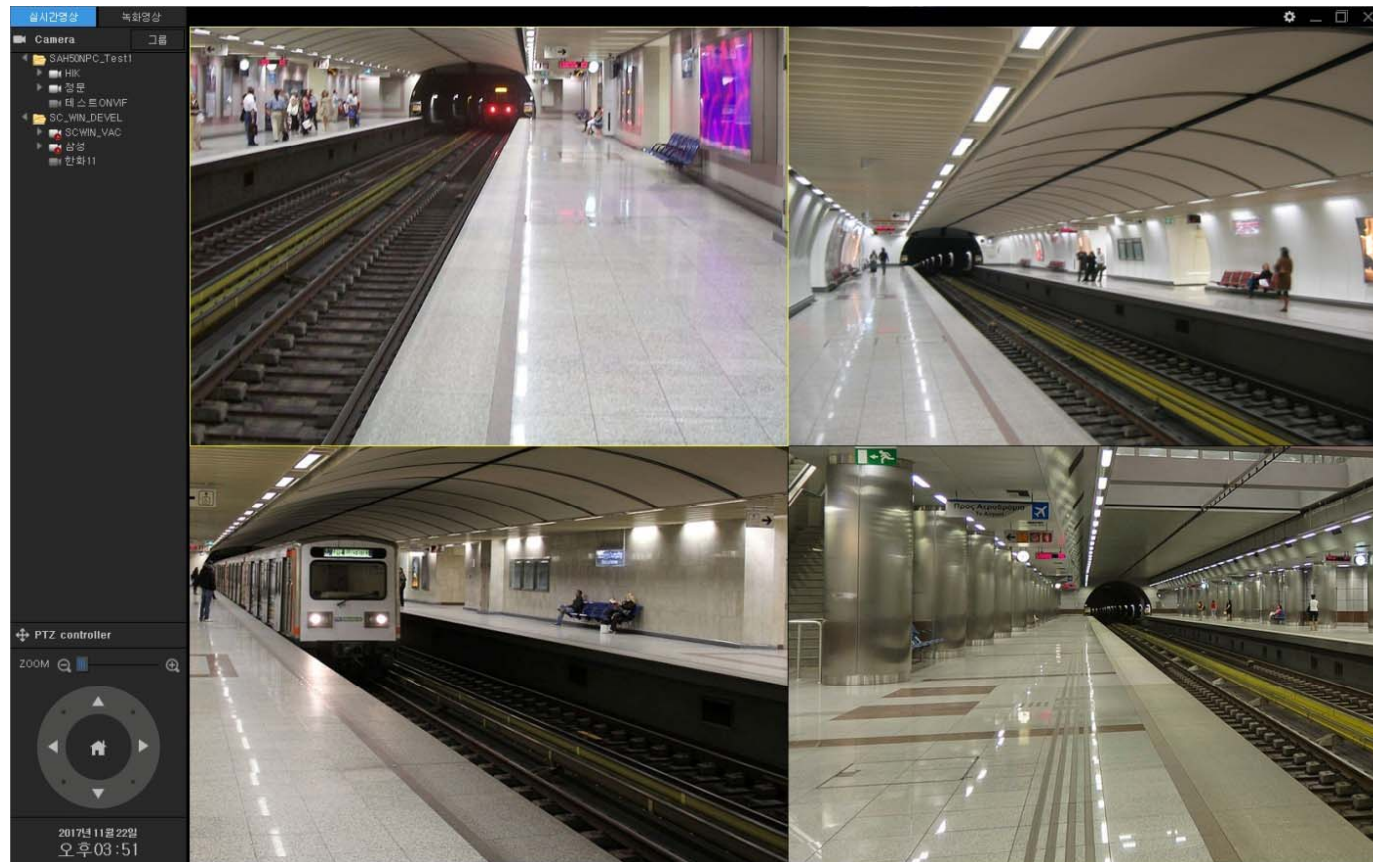




# UI examples : 9 Channel Live View



# UI examples : 4 Channel Live View

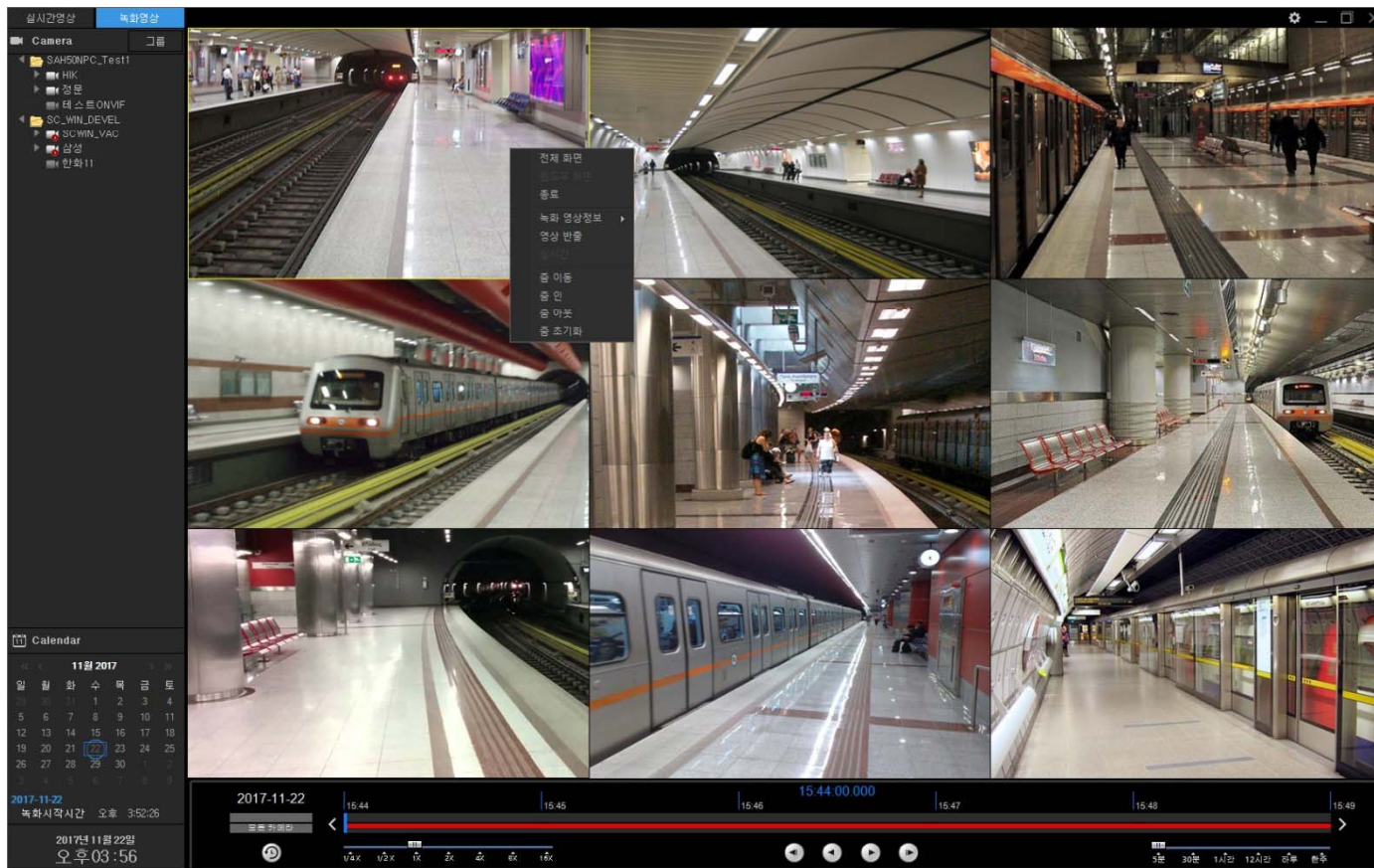


# UI examples : 1 Channel Live View

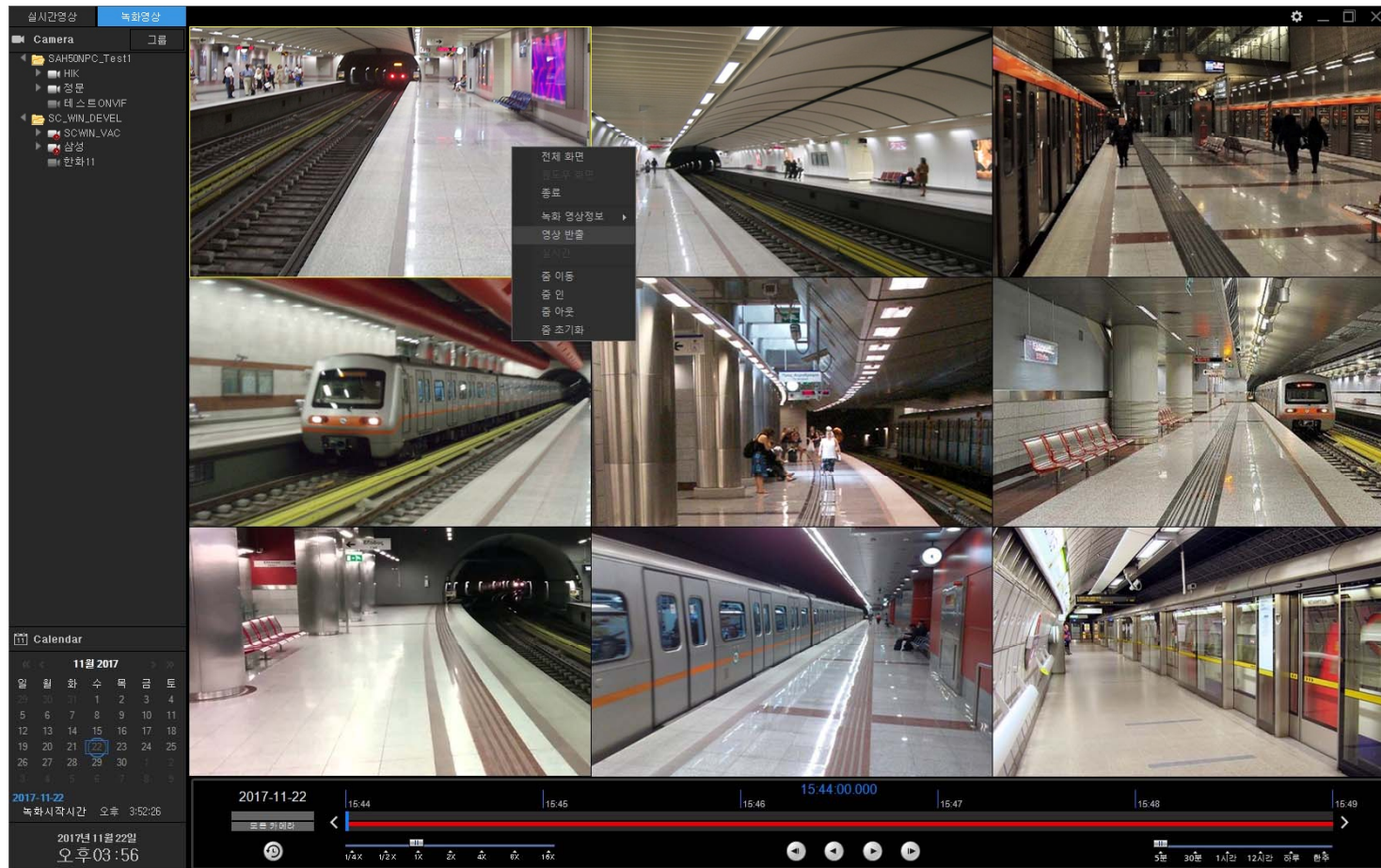




# UI examples : Recording Viewer (Popup Menu)

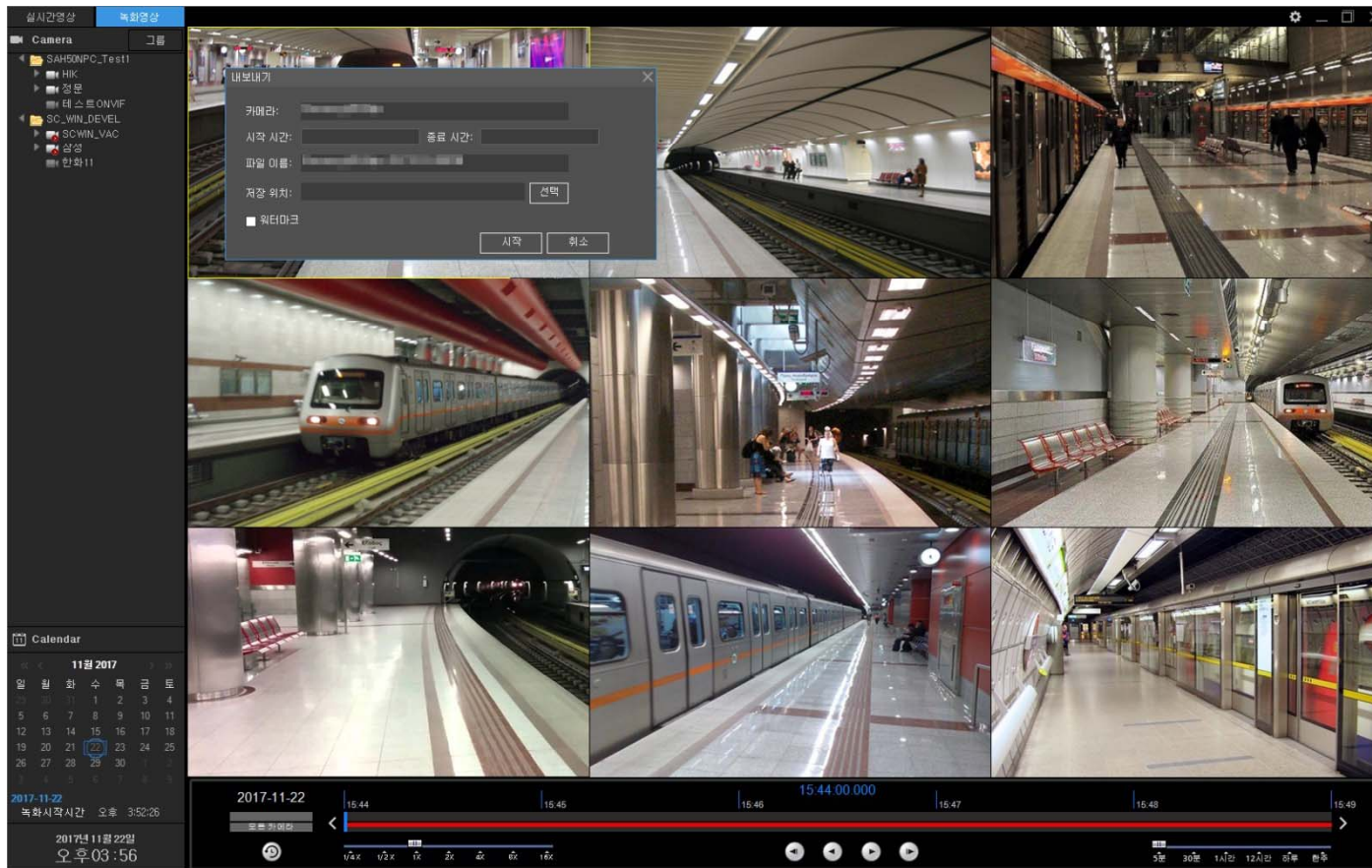


# UI examples : Recording Viewer ( Video Export)



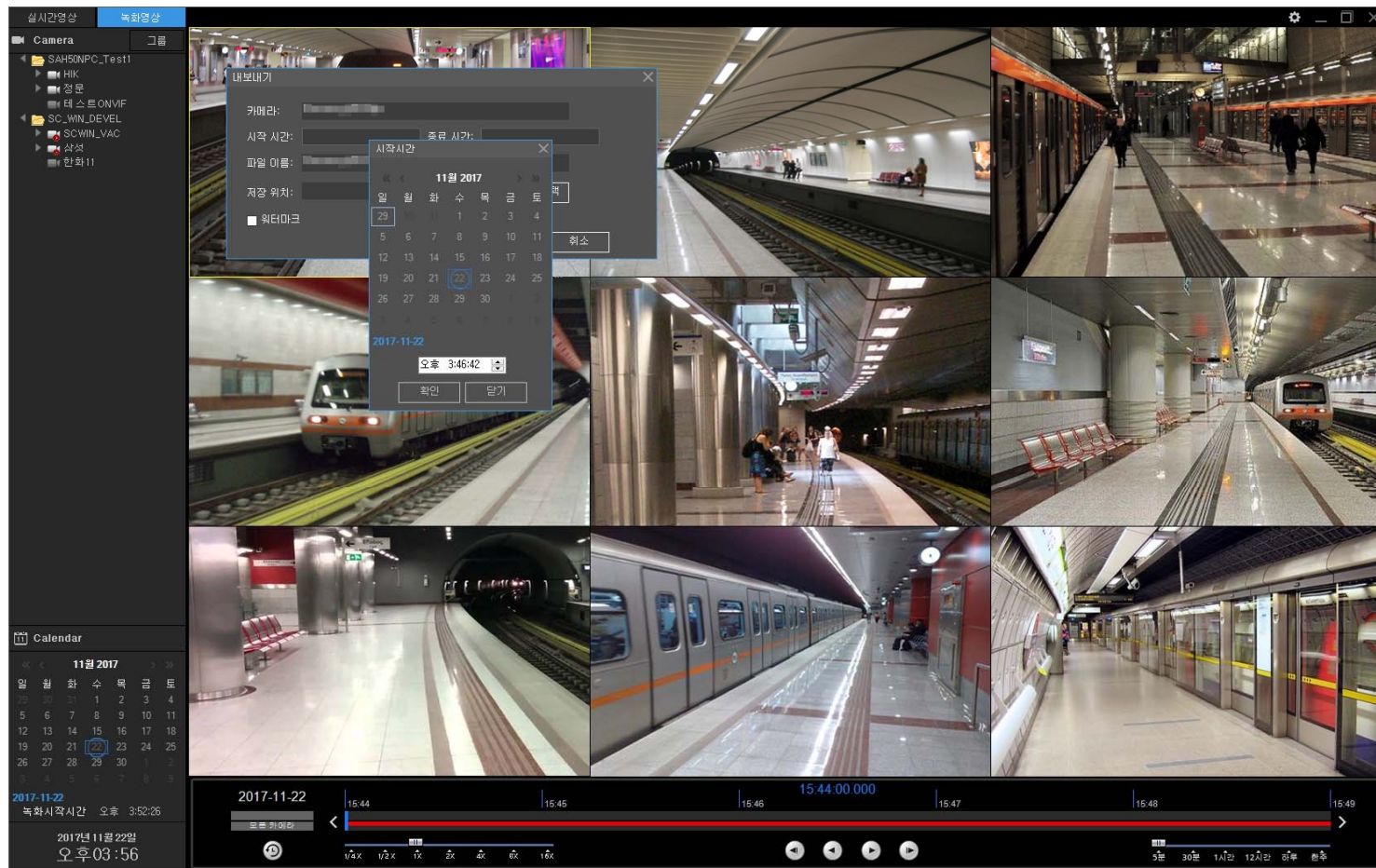


# UI examples : Recording Viewer ( Video Export)

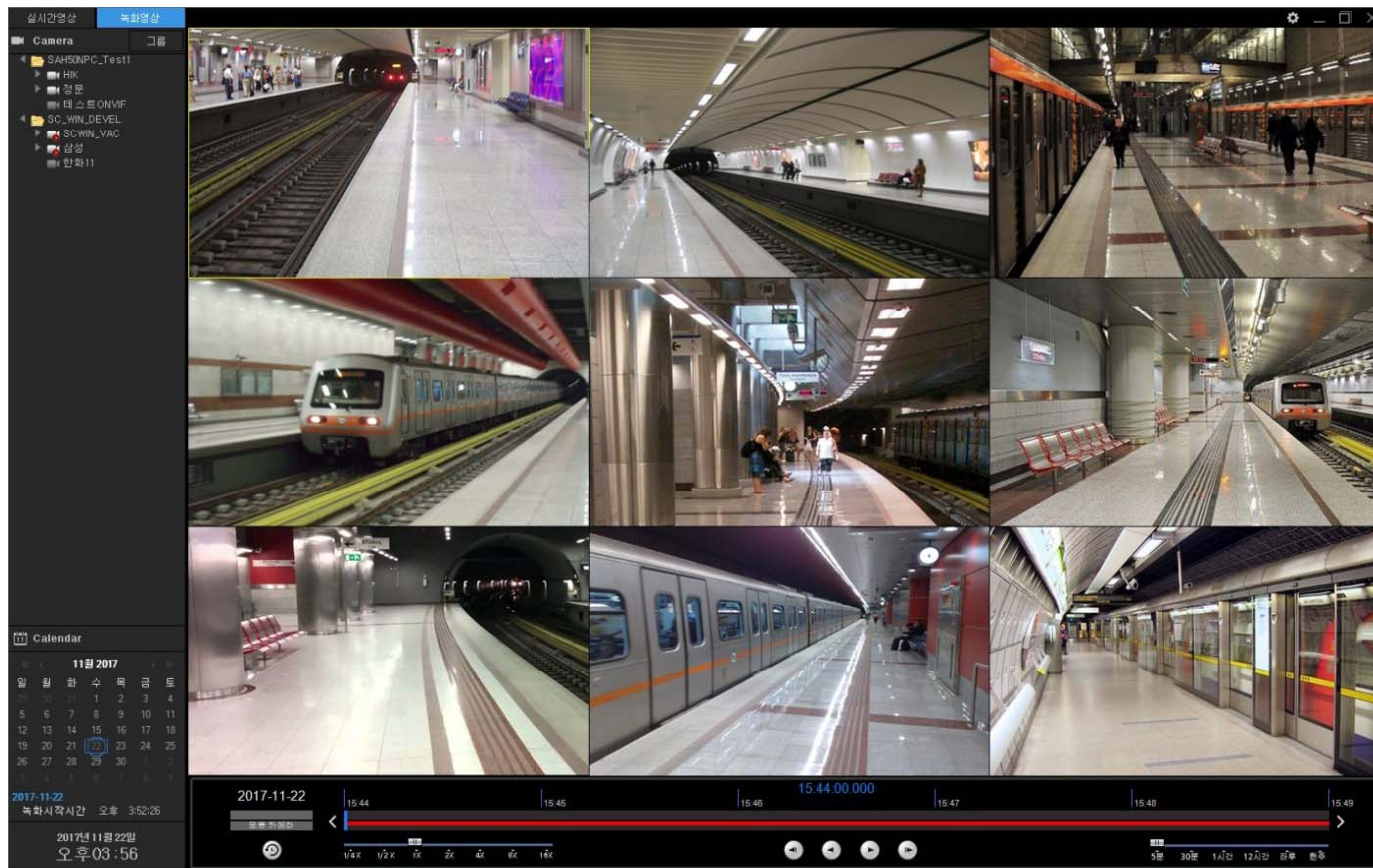




# UI examples : Recording Viewer (Video Export)

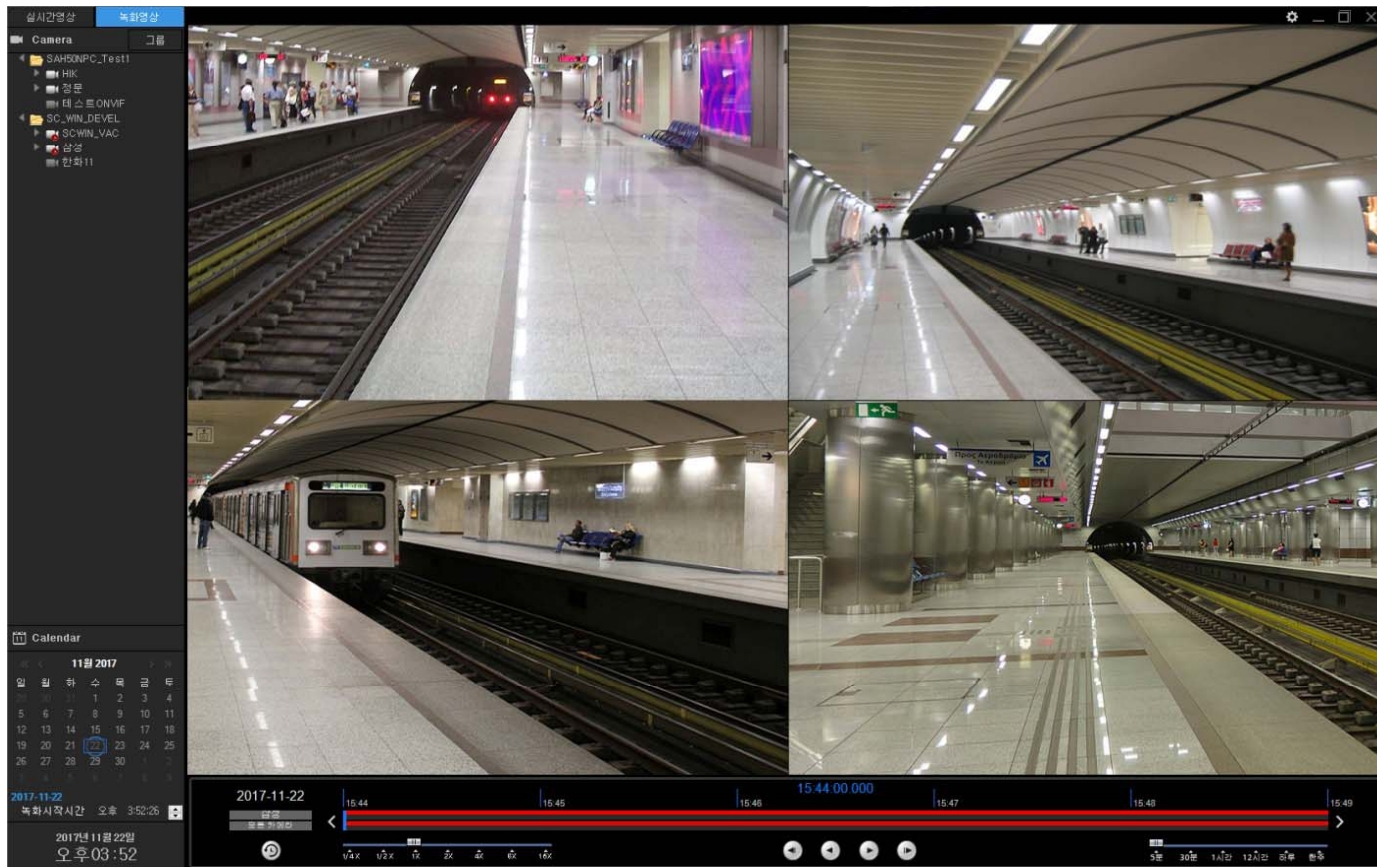


# UI examples : 9 Channel Recording View

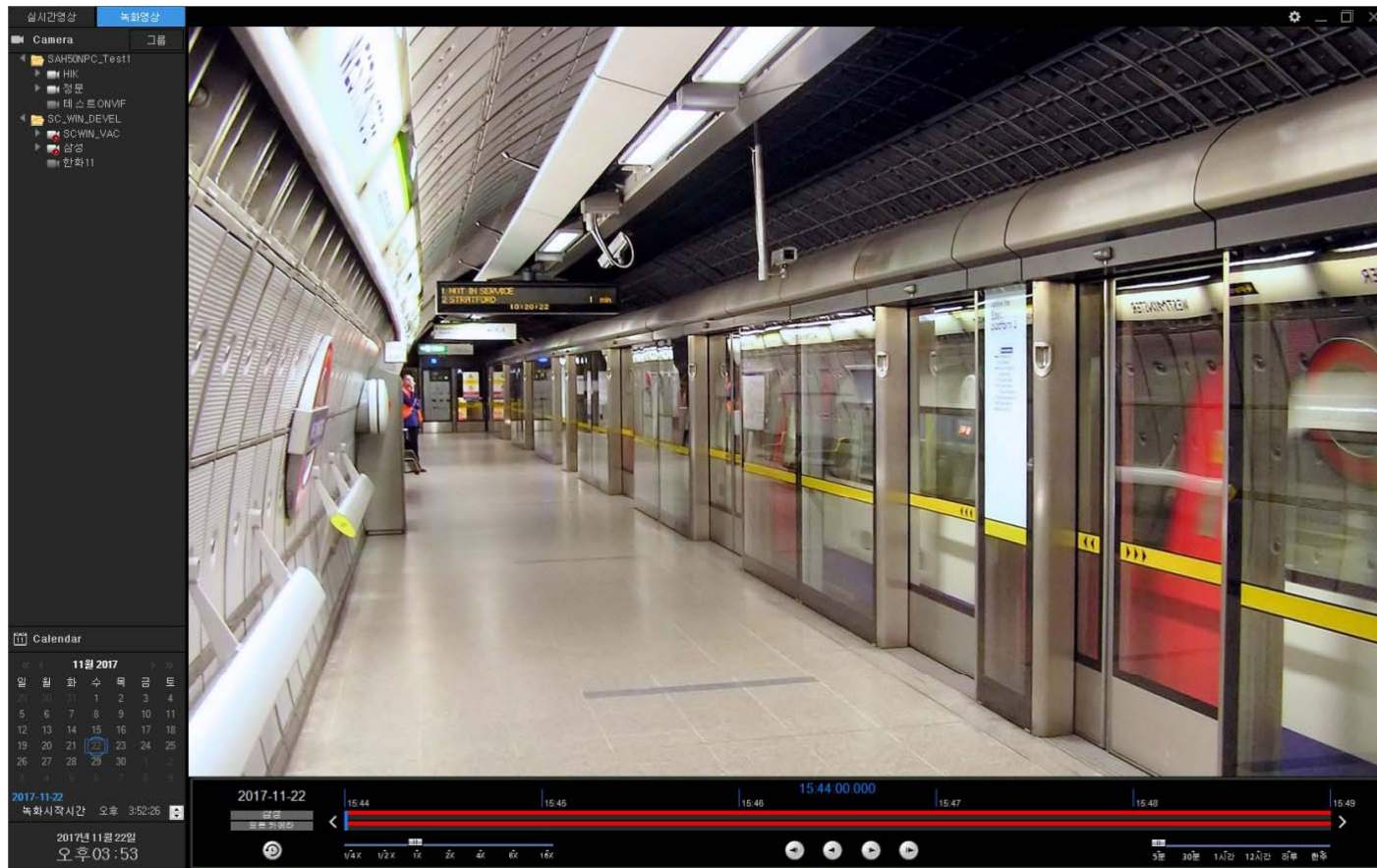




# UI examples : 4 Channel Recording View



# UI examples : 1 Channel Recording View



# New ISMS UI Overview

(ISMS : Integrated Security Management System)



# Contents

- New ISMS UI Overview
- UI Design (examples)





# New ISMS UI Overview

# New ISMS UI Main Features

- Dual Monitor Support for Smart DVR Viewer and ISMS UI
- MS-Window based Software Platform
- Intuitive Field Proven UI Design for Large Scale ISMS Installation
- MAP based Device Control Platform Support
- Overall System Status Monitoring Board Support
- Overall Alarm Display Support
- Overall Device Setup Support
- Unmanned Security Zone System Setup Support
- Dark and Black Design Concept



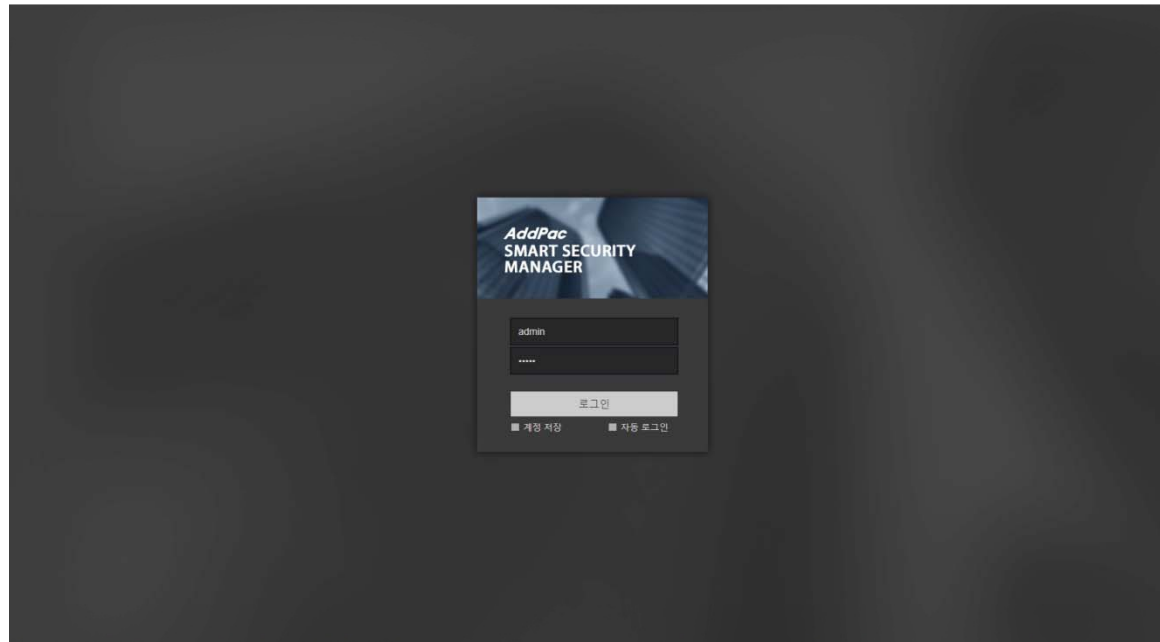


# UI Design & Examples

# Contents

- Login View, Main View
- ISMS Status Monitoring Board
- ISMS Status Monitoring Board Alarm Display
- Unmanned Security Zone ISMS Setup
- Alarm UI
- Device UI

# UI examples : Login



# ISMS Status Monitoring Board

- Unmanned Security Zone List Display
- Map based Intrusion Detection Sensor Display
- IP Camera List Display
- Alarm Status Display
- Paging Status Display
- Action Status Display
- SPK.& MIC Volume Control and Display
- Management Server Status Monitoring (CPU, Memory, etc)
- Streaming & Recording Server Status Monitoring
- Storage Server Status Monitoring

# ISMS Status Monitoring Board 1

Smart Security Manager 지역본부 172.16.30.169, 본부관리자 로그인 01:43 PM

상황판 무인관리소 장치 알람 240 작업 이력

무인관리소 정보

무인관리소

감지기 All ON 전세 무장

무인관리소

무인관리소 수원 무인관리소 침주 무인관리소

무인관리소

알람

출입 - 장치

침입 - 카메라

시스템 60 비상폰

센서

지도 (무인관리소)

지도 (무인관리소)

카메라

HIK VAC카메라 군산 VAC 한화1 한화2

알람(60)

ID	시간	등급	분류	무인관리소	장치	메시지
292...	2017-11-29 17:52:22	경고	시스템	무인관리소	한화1	장치가 연결이 끊어짐
292...	2017-11-29 17:52:22	경고	시스템	무인관리소	VAC카메라	장치가 연결이 끊어짐
292...	2017-11-29 17:48:27	경고	시스템	무인관리소	VAC카메라	장치가 연결이 끊어짐

방송

등록된 방송그룹이 없습니다.

감지기

AIR1 DOOR1 MOTION1 VAC카메라



# ISMS Status Monitoring Board 2

The screenshot displays the Smart Security Manager interface. At the top, it shows the title 'Smart Security Manager' and '지역본부' (Regional Office). The interface includes a navigation bar with icons for '상황판' (Dashboard), '무인관리소' (Unmanned Control Station), '장치' (Devices), '알람 240' (Alarms 240), '작업' (Tasks), and '이력' (History). The main content area is divided into several sections:

- Alerts:** A table showing two alerts from 2017-11-29. Both are '경고' (Warning) level, related to '시스템 무인관리소' (System Unmanned Control Station). The first alert is for '한화1' (Hanwa 1) with the message '장치가 연결이 끊어짐' (Device disconnected). The second alert is for 'VAC카메라' (VAC Camera) with the same message.
- 방송 (Broadcast):** A section indicating '등록된 방송그룹이 없습니다.' (No registered broadcast groups).
- 스피커/마이크 볼륨 (Speaker/Microphone Volume):** Two volume sliders for speaker and microphone, both set to 0.
- 관리서버 (Management Server):** A dashboard showing CPU usage (1%), Memory usage (17%), and Storage usage (40%). Below the gauges, it lists total and used memory: '전체: 7.6 GB, 사용: 1.3 GB' and '전체: 289.3 GB, 사용: 116.1 GB'.
- 저장분배서버 (Storage Distribution Server):** A table showing server status:

이름	CPU	메모리	저장공간
내부 분배서버	1.3%	1.3 GB / 7.6 GB	116.1 GB / 289.3 GB
분배서버2	0.8%	301.0 MB / 3.4 GB	12.8 GB / 1.8 TB

- 저장장치 (Storage Devices):** A table showing storage device status:

이름	CPU	메모리	저장공간
ISMS100_162	0.9%	2.7 GB / 3.9 GB	43.5 GB / 5.5 TB
ISMS100_165	-	-	-
NAS #1	-	-	-
NAS #2	-	-	-
NAS #3	-	-	-

On the right side of the interface, there are tabs for 'AIR1', 'DOOR1', 'MOTION1', and 'VAC카메라'. The 'VAC카메라' tab is currently selected.

# ISMS Status Monitoring Board (Alarm Display)

The screenshot displays the 'Smart Security Manager' interface for a '지역본부' (Regional Office). The interface is divided into several sections:

- Header:** 'Smart Security Manager' and '지역본부'. The top right shows the IP address '172.16.30.169', the user '본부관리자 로그인', and the time '02:07 PM'.
- Navigation:** '상황판', '무인관리소', '장치', '알람 240', '작업', and '이력'.
- 무인관리소 정보 (Unmanned Station Info):**
  - 무인관리소: 1
  - 감지기 All ON
  - 전체무장
- 알람 (Alarm):**
  - 출입: -
  - 침입: -
  - 시스템: 60
  - 장치: 카메라, 비상폰, 센서
- 무인관리소 (Unmanned Station):**
  - 무인관리소
  - 수원 무인관리소
  - 청주 무인관리소
- 액션 (Action):**
  - alarm 멘트 액션
  - 경고멘트 액션
  - 알람음 액션
  - 대문개폐
  - 무장 ON
  - 무장 OFF
  - 경고방송
- 카메라 (Camera):**
  - HIK
  - VAC카메라
  - 군산 VAC
  - 한화1
  - 한화2
- 알람(60) (Alarm List):**

ID	시간	등급	분류	무인관리소	장치	메시지
292...	2017-11-29 17:52:22	경고	시스템	무인관리소	한화1	장치가 연결이 끊어짐
292...	2017-11-29 17:52:22	경고	시스템	무인관리소	VAC카메라	장치가 연결이 끊어짐
292...	2017-11-29 17:48:27	경고	시스템	무인관리소	VAC카메라	장치가 연결이 끊어짐
- 지도 (무인관리소) (Map):** A floor plan diagram with sensor locations labeled S-1 through S-8. S-1, S-2, S-3, S-4, S-5, S-6, S-7, and S-8 are marked around the perimeter of the room.
- 감지기 (Sensor):**
  - AIR1
  - DOOR1
  - MOTION1
  - VAC카메라
- 방송 (Broadcast):**
  - 등록된 방송그룹이 없습니다.



# Unmanned Security Zone Setup

# Unmanned Security Zone Setup UI Examples

- Unmanned Security Zone Setup
- IP Video Door Phone Setup
- Resource (Image, Media File) Setup
- IP Emergency Phone Setup
- Action Define at Event
- Automation Define at Event (Ex : Automatic Announcement)
- Security Arm Mode Define
- Data Backup
- Operation Setup
- MAP Setup
- IP Camera Registration

# Unmanned Security Zone Setup

Smart Security Manager

지역본부

172.16.30.169, 본부관리자 로그인 01:43 PM

상황판 무인관리소 장치 알람 241 작업 이력

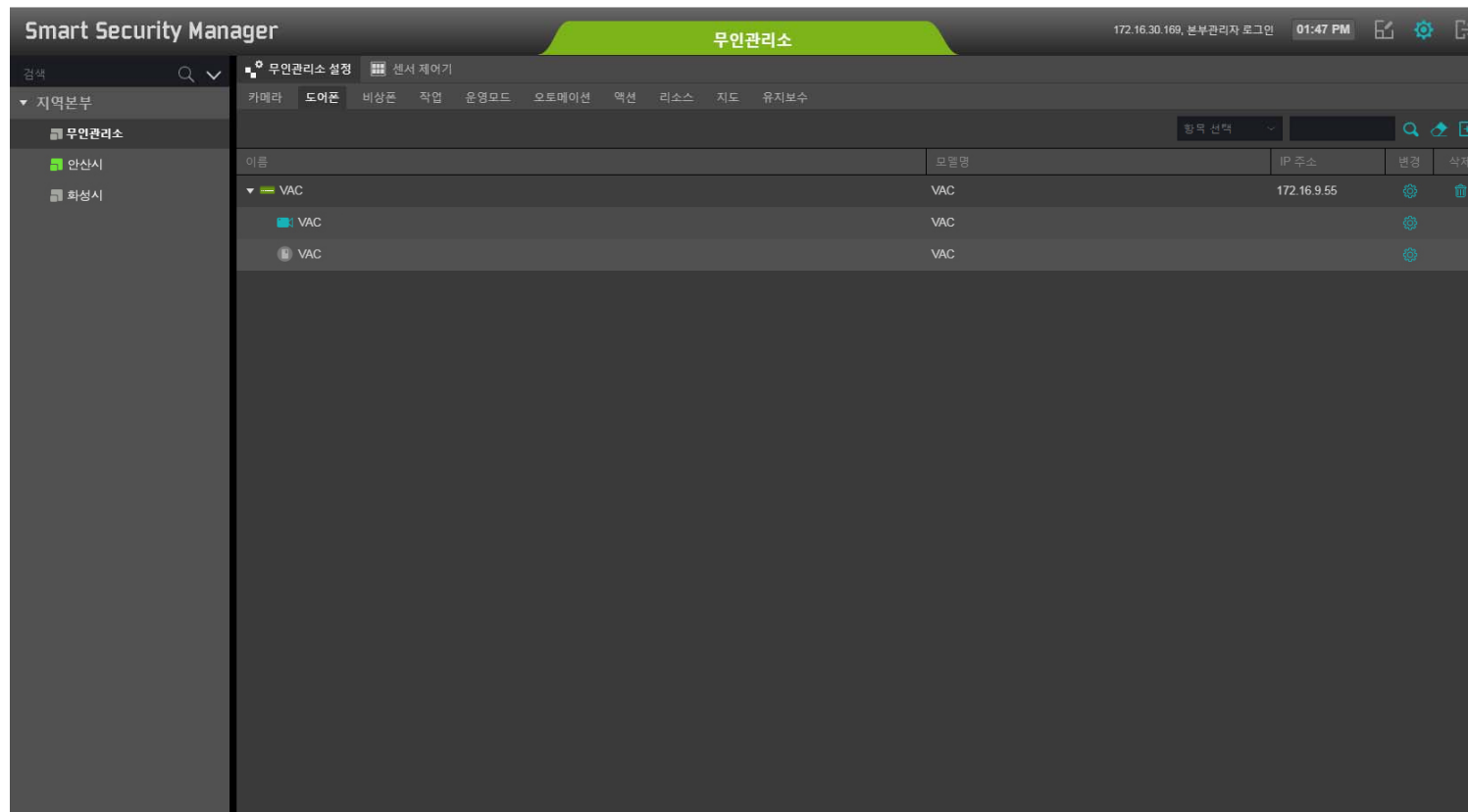
검색

이름	그룹	지정분배서버	장치			알람			모드		보기
			카메라	허브	센서	출입	침입	시스템	보안 ...	운영 모드	
1 군산무인관리소	-	분배서버2	-	-	-	-	60	-	-	-	🔍
2 수원시	-	내부 분배서버	0/1	0/2	0/3	-	12	-	🔒	🔴	🔍
3 역삼동 사거리	-	내부 분배서버	-	-	-	-	15	-	-	-	🔍

페이지 1 / 1 전체: 3



# Unmanned Security Zone Setup ( IP Video Door Phone)

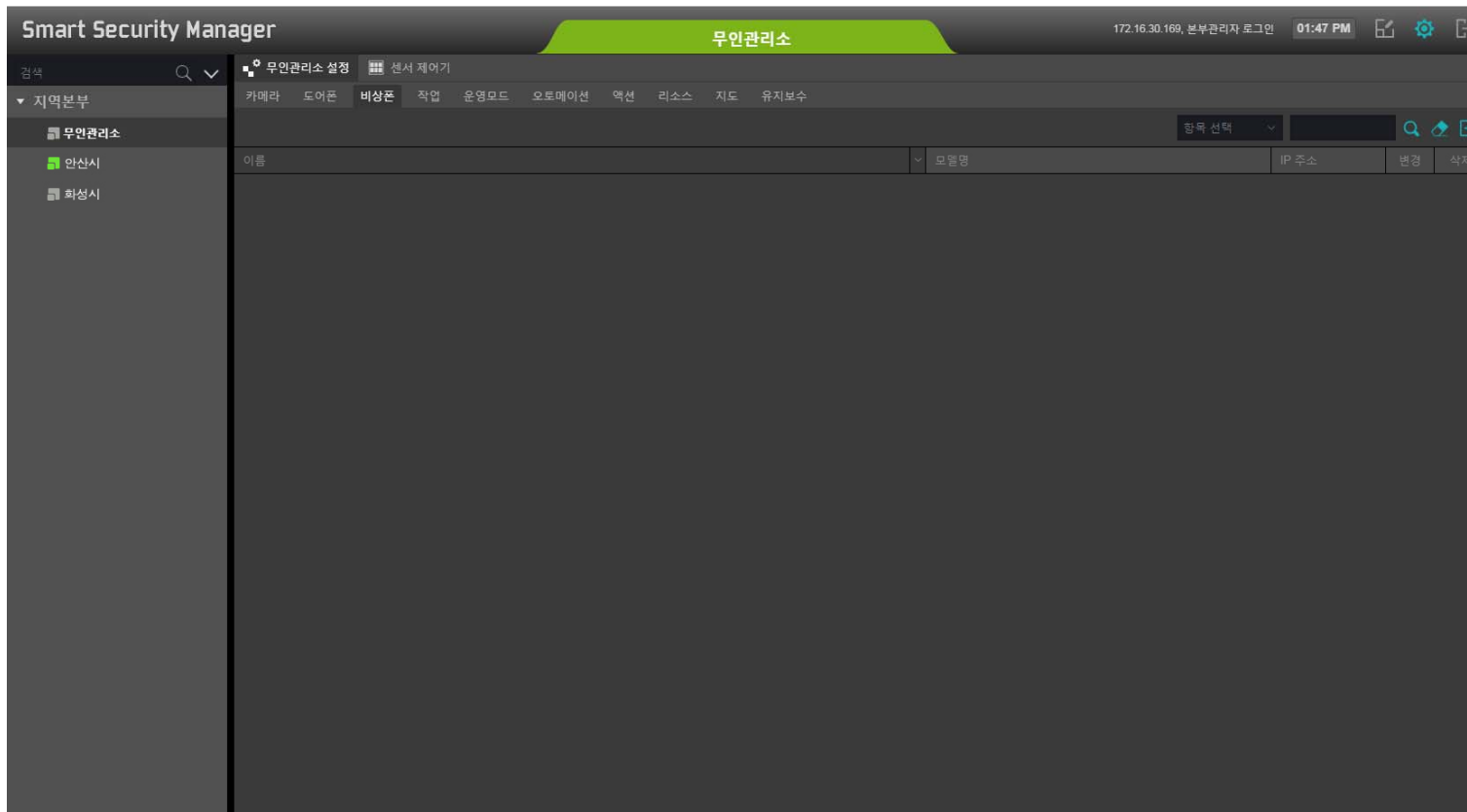


# Unmanned Security Zone Setup ( Resource : Image, Media)

The screenshot displays the 'Smart Security Manager' interface. The main title is '무인관리소' (Unmanned Security Zone). The left sidebar shows a navigation menu with '지역본부' (Regional Office) expanded, containing '무인관리소' (Unmanned Security Zone), '안산시' (Ansan City), and '화성시' (Hwaseong City). The main content area is titled '무인관리소 설정' (Unmanned Security Zone Settings) and includes tabs for '카메라' (Camera), '도어폰' (Doorphone), '비상폰' (Emergency Phone), '작업' (Work), '운영모드' (Operation Mode), '오토메이션' (Automation), '역선' (Reverse Line), '리소스' (Resource), '지도' (Map), and '유지보수' (Maintenance). The '리소스' (Resource) tab is active, showing a message: '무인관리소에 적용할 하나 또는 이상의 리소스를 정의합니다.' (Define one or more resources to be applied to the Unmanned Security Zone). Below the message is a table with columns: '이름' (Name), '이미지' (Image), '크기' (Size), '업로드 시간' (Upload Time), and '삭제' (Delete). The table contains three rows of data:

이름	이미지	크기	업로드 시간	삭제
1 inoffice.png		3 KB	2017-09-26 17:54:09	
2 map_4.jpg		126 KB	2017-09-26 17:54:25	
3 nightguard.png		4 KB	2017-09-26 17:54:01	

# Unmanned Security Zone Setup ( IP Emergency Phone)





# Unmanned Security Zone Setup ( Action Define at Event )

The screenshot displays the 'Smart Security Manager' interface. The main title is '무인관리소' (Unmanned Security Zone). The left sidebar shows a navigation menu with '지역분부' (Area Division) expanded, containing '무인관리소' (Unmanned Security Zone), '안산시' (Ansan City), and '화성시' (Hwaseong City). The main content area is titled '무인관리소 설정' (Unmanned Security Zone Settings) and includes tabs for '카메라' (Camera), '도어콘' (Door Con), '비상콘' (Emergency Con), '작업' (Work), '운영모드' (Operation Mode), '오토메이션' (Automation), '액션' (Action), '리소스' (Resource), '지도' (Map), and '유지보수' (Maintenance). The '액션' (Action) tab is active, showing a table of actions. The table has columns for '이름' (Name), '장치 명령' (Device Command), '상황판' (Status Panel), '변경' (Change), and '삭제' (Delete). Three actions are listed:

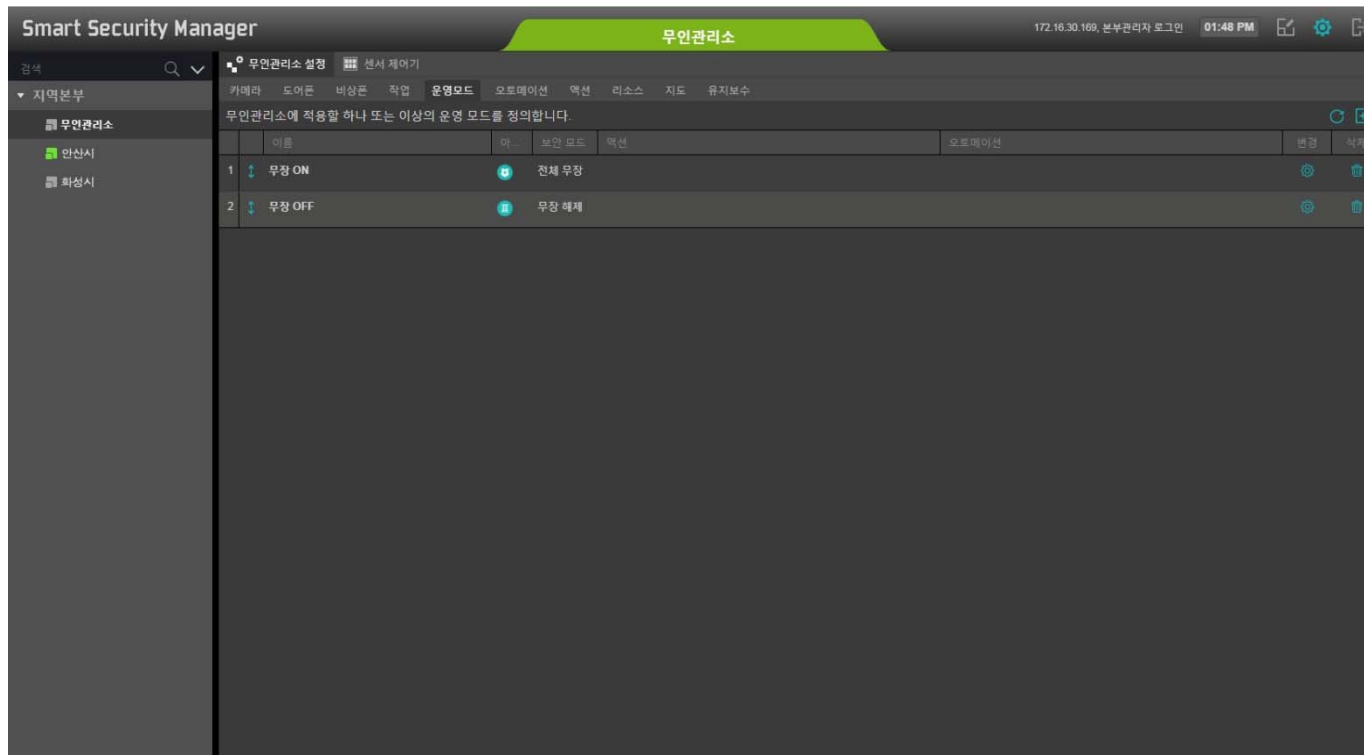
이름	장치 명령	상황판	변경	삭제
1 alaw 멘트 액션	• 카메라 "undefined"을(를) 즉시 방송	✓	⚙	🗑
2 경고멘트 액션	• 카메라 "HIK"을(를) 즉시 방송	✓	⚙	🗑
3 알람음 액션	• 카메라 "undefined"을(를) 즉시 방송	✓	⚙	🗑

# Unmanned Security Zone Setup (Automation Define at Event)

The screenshot displays the 'Smart Security Manager' interface, specifically the '무인관리소' (Unmanned Security Zone) configuration page. The top navigation bar includes '무인관리소 설정' (Unmanned Security Zone Settings) and '센서 제어기' (Sensor Controller). The main content area shows a table with columns for '이름' (Name), '트리거 이벤트' (Trigger Event), '액션' (Action), '조건' (Condition), '변경' (Change), and '삭제' (Delete). A single entry is visible:

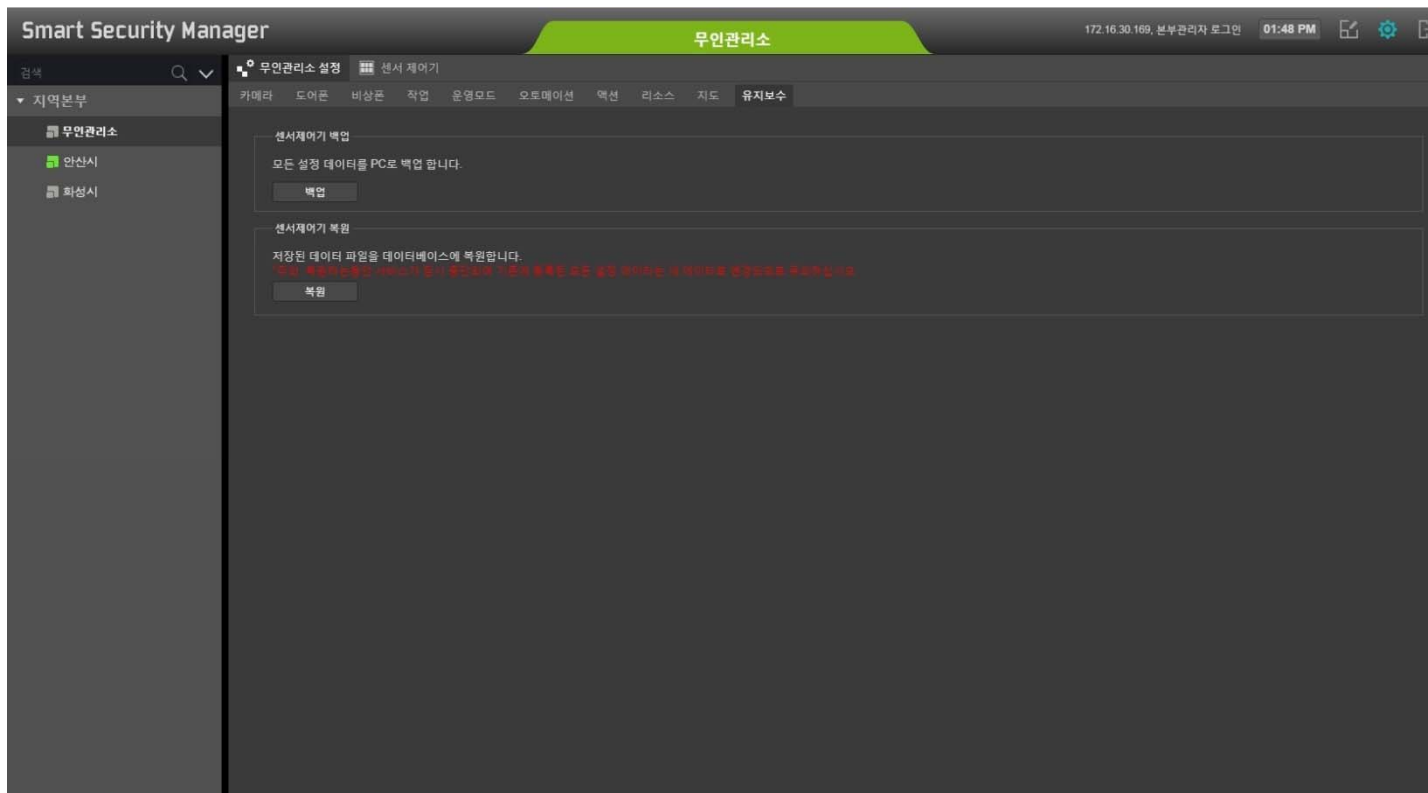
이름	트리거 이벤트	액션	조건	변경	삭제
1 잠입경고방송	• 어떠한 적외선 센서 장치가 무장 모드에서 감출됨	알람 꺼짐 · 경고연트 액션	모드: 시간: 상시		

# Unmanned Security Zone Setup ( Security Arm Mode Define)

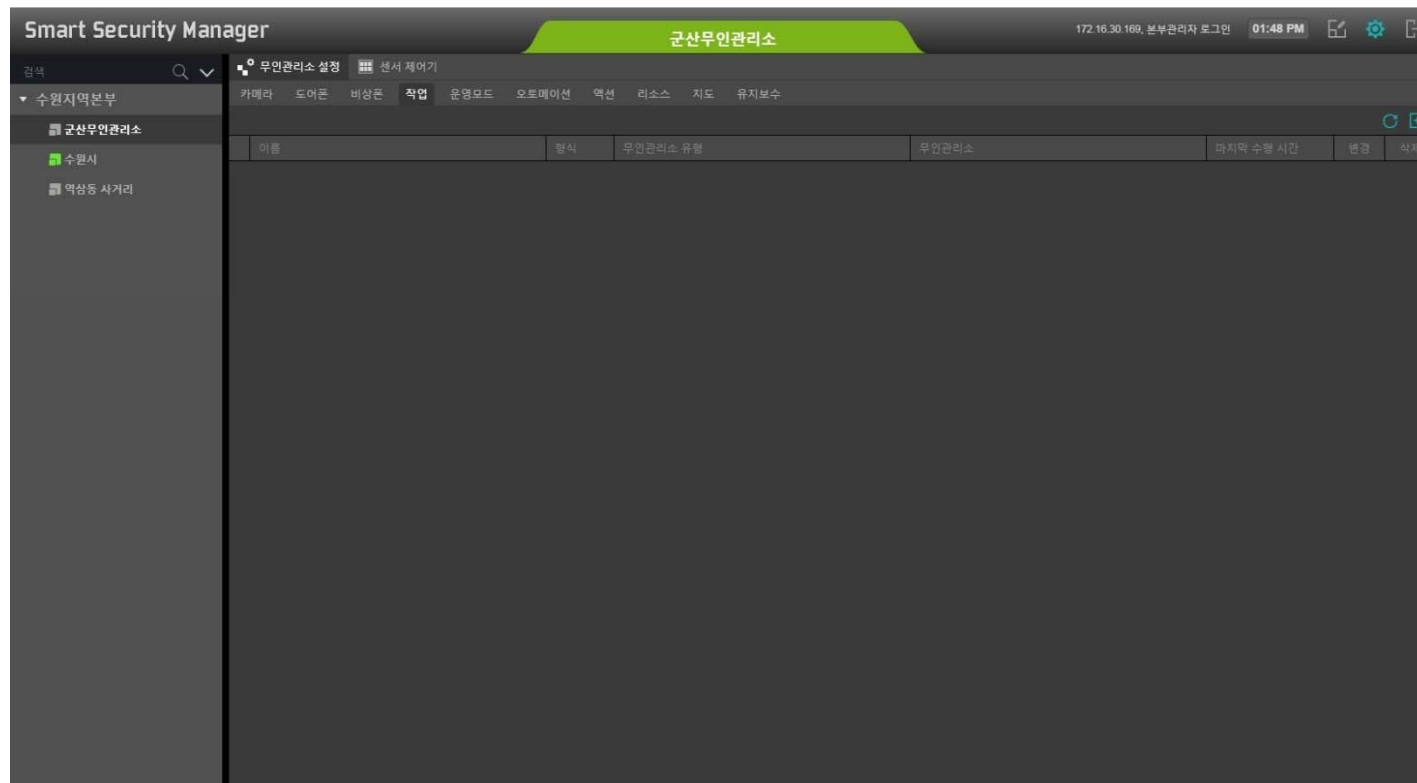




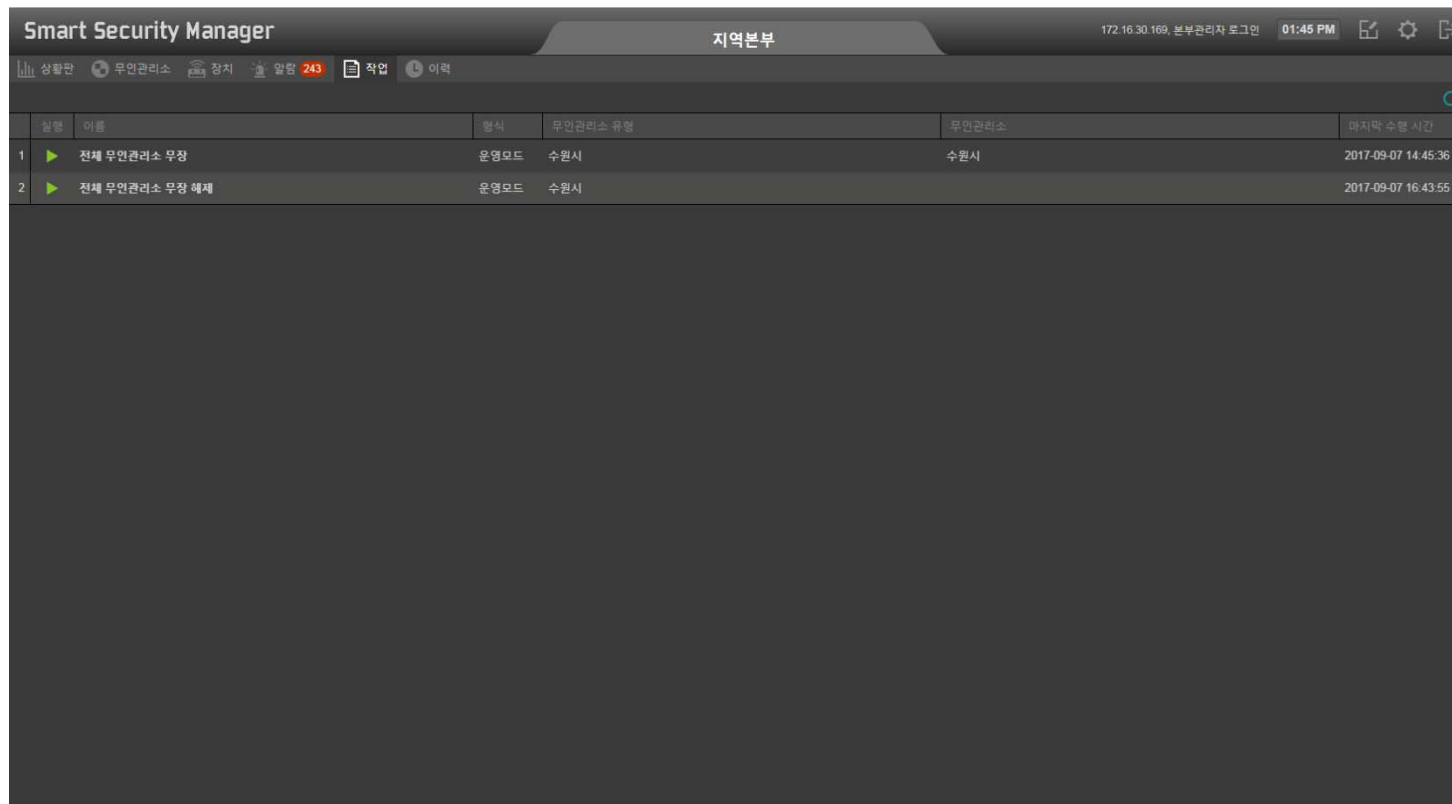
# Unmanned Security Zone Setup (Data Backup)



# Unmanned Security Zone Setup (Operation)



# Unmanned Security Zone Setup (Operation List)



The screenshot displays the 'Smart Security Manager' interface. At the top, the title 'Smart Security Manager' is on the left, and '지역본부' (Regional Office) is in the center. On the right, there is a user login information '172.16.30.169, 본부관리자 로그인' and the time '01:45 PM'. Below the title bar, there are navigation icons for '상황판' (Dashboard), '무인관리소' (Unmanned Control Room), '장치' (Devices), '알림 243' (Alerts 243), '작업' (Jobs), and '이력' (History). The main content area shows a table with the following data:

일련	이름	형식	무인관리소 유형	무인관리소	마지막 수행 시간
1	▶ 전체 무인관리소 무장	운영모드	수원시	수원시	2017-09-07 14:45:36
2	▶ 전체 무인관리소 무장 해제	운영모드	수원시		2017-09-07 16:43:55

# Unmanned Security Zone Setup (Operation List Pop-Up Window)

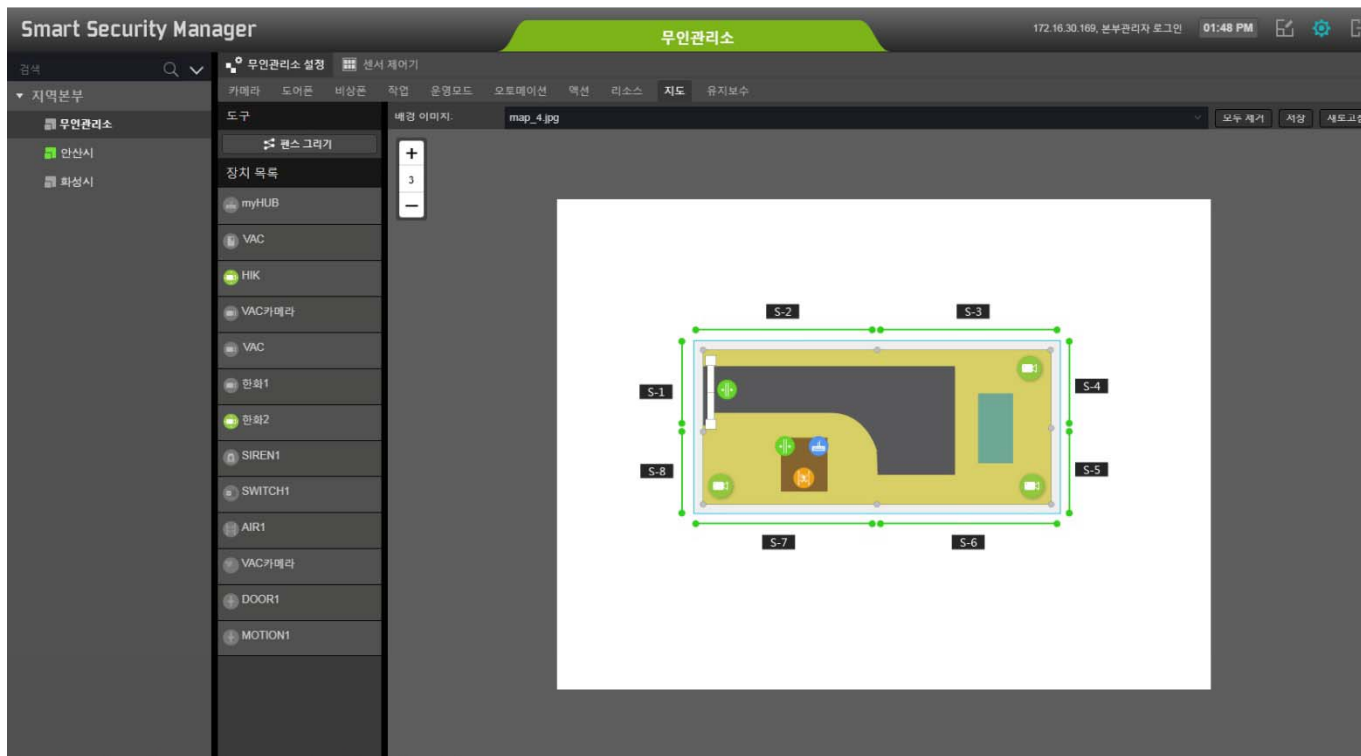
The screenshot displays the Smart Security Manager interface. At the top, the title bar reads "Smart Security Manager" and "지역본부". The main content area features a table with the following data:

일련	이름	형식	무인관리소 유형	무인관리소	마지막 수행 시간
1	▶ 전체 무인관리소 무정	운영모드	수원시	수원시	2017-09-07 14:45:36
2	▶ 전체 무인관리소 무정 해제	운영모드	수원시		2017-09-07 16:43:55

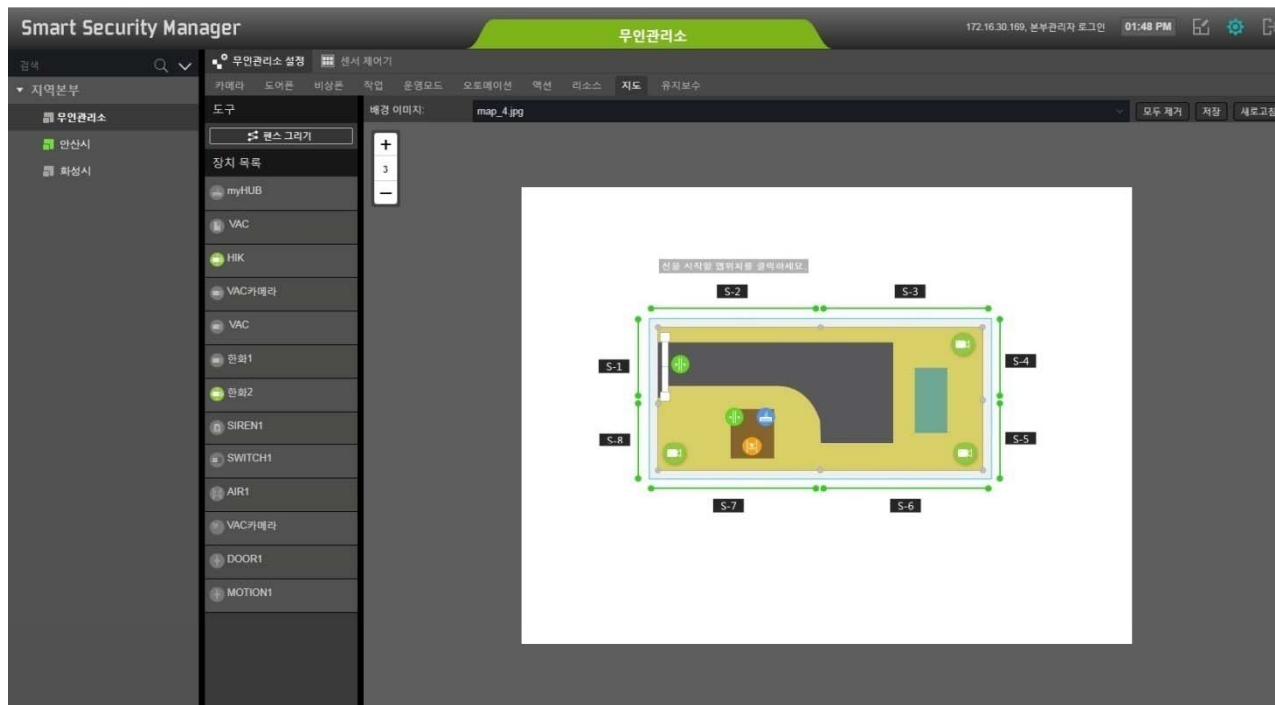
A confirmation dialog box is overlaid on the table, titled "완료" (Complete). The message inside reads: "작업을 수행하였습니다. 전체 무인관리소 1 (성공 1, 실패 0)". A "확인" (Confirm) button is located at the bottom right of the dialog.



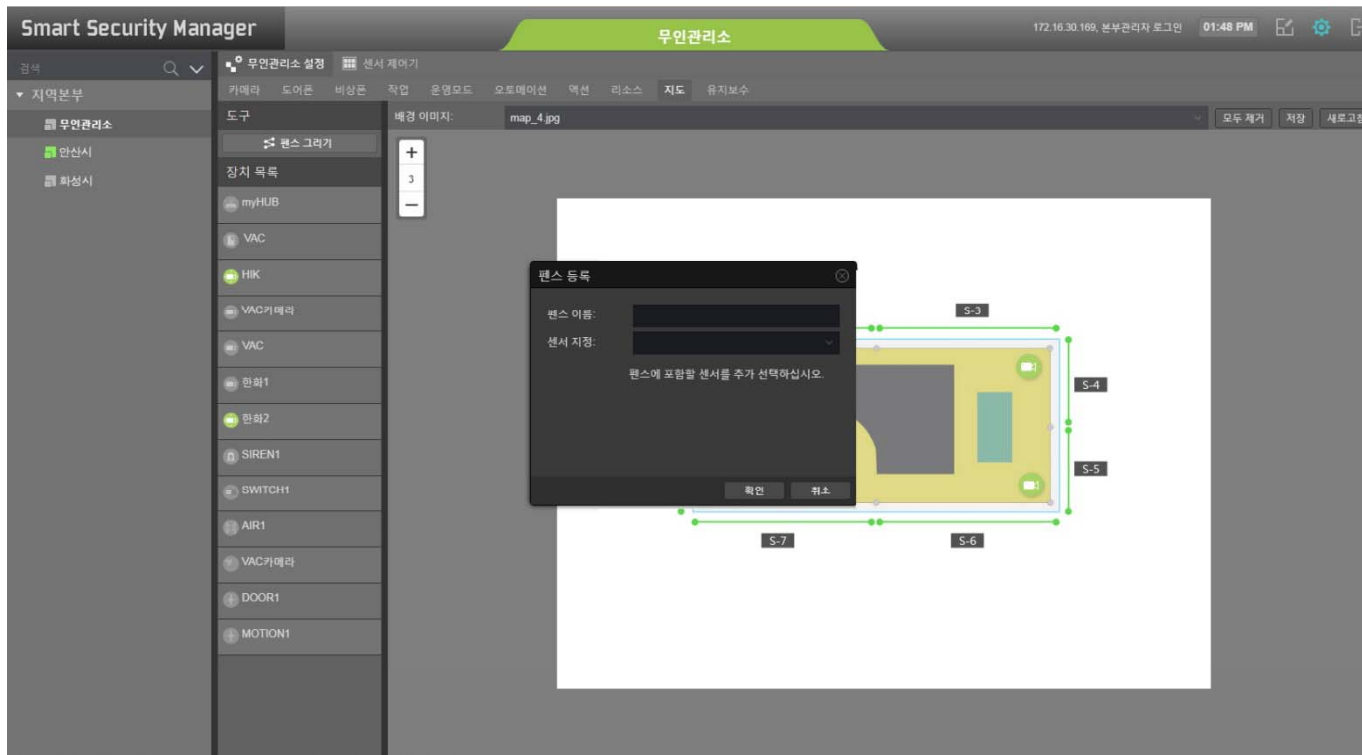
# Unmanned Security Zone Setup ( Map Configuration)



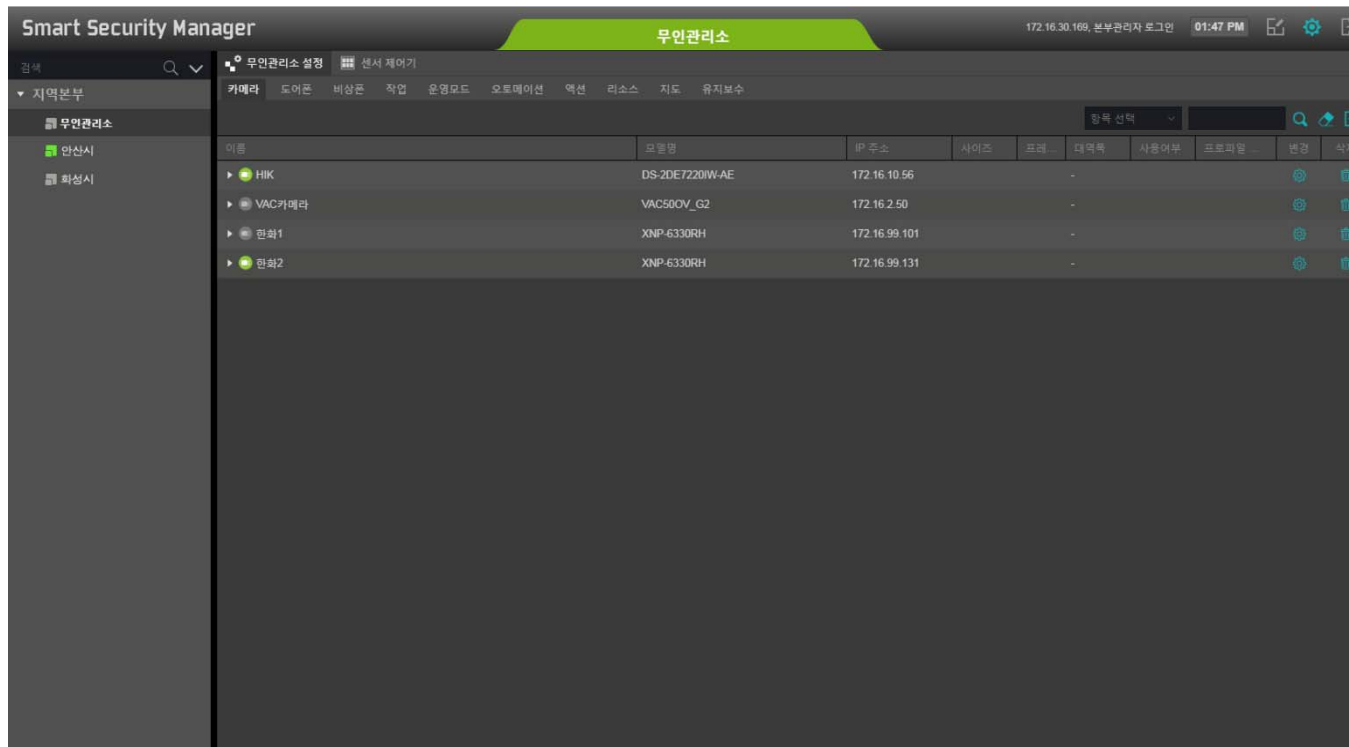
# Unmanned Security Zone Setup ( Map Configuration : Fence Drawing )



# Unmanned Security Zone Setup ( Map Configuration : Fence Registration)



# Unmanned Security Zone Setup (IP Camera Registration)







# Alarm UI

# Alarm UI Examples

- Alarm Display
- Alarm Classification
- Alarm Pop-Up
- Alarm & Information History Display

# UI examples : Alarm Display

The screenshot shows the 'Smart Security Manager' interface for '지역본부' (Regional Office). The top navigation bar includes '상황판' (Dashboard), '무인관리스' (Unattended Access), '장치' (Device), '알람 242' (Alarm 242), '작업' (Task), and '이력' (History). Below the navigation bar, there are filters for '무인관리스' (Unattended Access), '등급' (Level), and '장치 이름' (Device Name). The main content area displays a table of alarm events with columns for ID, Time, Level, Category, Unattended Access, Device, and Message. The table contains 15 rows of data, all showing '모션 센서가 감지됨' (Motion sensor detected) for Samsung devices. The bottom of the interface shows pagination controls for page 1 of 13 and a total of 242 items.

ID	시간	등급	분류	무인관리스	장치	메시지
2923266	2017-11-30 13:44:40	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923263	2017-11-30 13:43:29	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923260	2017-11-30 13:42:23	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923257	2017-11-30 13:41:37	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923254	2017-11-30 13:41:05	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923251	2017-11-30 13:40:54	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923248	2017-11-30 13:40:06	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923245	2017-11-30 13:35:15	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923241	2017-11-30 13:33:24	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923233	2017-11-30 13:29:24	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923230	2017-11-30 13:23:44	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923227	2017-11-30 13:23:17	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923224	2017-11-30 13:22:47	알림	침입	수원시	삼성캠	모션 센서가 감지됨

# UI examples : Alarm Classification

Smart Security Manager 지역본부 172.16.30.169, 본부관리자 로그인 01:45 PM

상황판 무인관리스 장치 알람 242 작업 이력

무인관리스: [선택] 등급: [선택] 장치 이름: [선택]

분류: 침입 안전 제어 시스템 관리 출입 방송 녹화

ID	시간	등급	분류	무인관리스	장치	메시지
2923266	2017-11-30 13:44:40	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923263	2017-11-30 13:43:29	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923260	2017-11-30 13:42:23	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923257	2017-11-30 13:41:37	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923254	2017-11-30 13:41:05	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923251	2017-11-30 13:40:54	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923248	2017-11-30 13:40:06	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923245	2017-11-30 13:35:15	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923241	2017-11-30 13:33:24	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923233	2017-11-30 13:29:24	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923230	2017-11-30 13:23:44	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923227	2017-11-30 13:23:17	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923224	2017-11-30 13:22:47	알림	침입	수원시	삼성캠	모션 센서가 감지됨

<< >> 페이지 1 / 13 >>> 전체: 242



# UI examples : Alarm Pop-Up

The screenshot displays the Smart Security Manager interface. At the top, a dark grey header contains the title "Smart Security Manager" on the left and system information on the right: "172.16.30.169, 본부관리자 로그인 01:44 PM". A prominent alarm pop-up notification is centered at the top, with a purple icon and the text "모션 센서가 감지됨" (Motion sensor detected) and "삼성형 - 2017-11-30 13:44:48". Below the header, there are navigation tabs for "상황판", "무인관리소", "장치", "알림 242", "작업", and "이력". A search bar and filter options are also visible. The main content area is a table of alarm records.

ID	시간	등급	분류	무인관리소	장치	메시지
2923263	2017-11-30 13:43:29	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923260	2017-11-30 13:42:23	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923257	2017-11-30 13:41:37	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923254	2017-11-30 13:41:05	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923251	2017-11-30 13:40:54	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923248	2017-11-30 13:40:06	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923245	2017-11-30 13:35:15	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923241	2017-11-30 13:33:24	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923233	2017-11-30 13:29:24	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923230	2017-11-30 13:23:44	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923227	2017-11-30 13:23:17	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923224	2017-11-30 13:22:47	알림	침입	수원시	삼성형	모션 센서가 감지됨
2923221	2017-11-30 13:20:04	알림	침입	수원시	삼성형	모션 센서가 감지됨

At the bottom of the interface, there are navigation arrows and the text "페이지 1 / 13" and "전체 241".

# Alarm & Information History Display

Smart Security Manager 지역본부 172.16.30.169, 본부관리자 로그인 01:45 PM

상황판 무인관리소 장치 알람 244 작업 이력

이벤트 무인관리소: 기간: 최근 하루 등급: 장치 이름:

분류: 침입 안전 제어 시스템 관리 출입 방송 녹화

ID	시간	등급	분류	무인관리소	장치	메시지	조치사항
2923273	2017-11-30 13:45:35	알림	침입	수원시	삼성캠	모션 센서가 감지됨	
2923272	2017-11-30 13:45:35	정보	침입	수원시	삼성캠	모션 센서 감지됨	
2923270	2017-11-30 13:45:23	정보	침입	수원시	삼성캠	모션 센서 대기상태로 복귀됨	
2923269	2017-11-30 13:45:15	알림	침입	수원시	삼성캠	모션 센서가 감지됨	
2923268	2017-11-30 13:45:15	정보	침입	수원시	삼성캠	모션 센서 감지됨	
2923267	2017-11-30 13:44:59	정보	침입	수원시	삼성캠	모션 센서 대기상태로 복귀됨	
2923266	2017-11-30 13:44:40	알림	침입	수원시	삼성캠	모션 센서가 감지됨	
2923265	2017-11-30 13:44:40	정보	침입	수원시	삼성캠	모션 센서 감지됨	
2923264	2017-11-30 13:44:15	정보	침입	수원시	삼성캠	모션 센서 대기상태로 복귀됨	
2923263	2017-11-30 13:43:29	알림	침입	수원시	삼성캠	모션 센서가 감지됨	
2923262	2017-11-30 13:43:29	정보	침입	수원시	삼성캠	모션 센서 감지됨	
2923261	2017-11-30 13:42:48	정보	침입	수원시	삼성캠	모션 센서 대기상태로 복귀됨	
2923260	2017-11-30 13:42:23	알림	침입	수원시	삼성캠	모션 센서가 감지됨	

페이지 1 / 57 전체: 1121

# Alarm & Information History Display (Detail View)

The screenshot displays the 'Smart Security Manager' interface. At the top, it shows the user's location as '지역본부' and the time as '01:46 PM'. The main area contains a table of alarm history with columns for ID, time, level, type, location, and message. A modal window is open, providing detailed information for the selected alarm (ID: 2923273).

ID	시간	등급	분류	무인관理所	장치	메시지
2923273	2017-11-30 13:45:35	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923269	2017-11-30 13:45:15	알림	침입	수원시		
2923266	2017-11-30 13:44:40	알림	침입	수원시		
2923263	2017-11-30 13:43:29	알림	침입	수원시		
2923260	2017-11-30 13:42:23	알림	침입	수원시		
2923257	2017-11-30 13:41:37	알림	침입	수원시		
2923254	2017-11-30 13:41:05	알림	침입	수원시		
2923251	2017-11-30 13:40:54	알림	침입	수원시		
2923248	2017-11-30 13:40:06	알림	침입	수원시		
2923245	2017-11-30 13:35:15	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923241	2017-11-30 13:33:24	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923233	2017-11-30 13:29:24	알림	침입	수원시	삼성캠	모션 센서가 감지됨
2923230	2017-11-30 13:23:44	알림	침입	수원시	삼성캠	모션 센서가 감지됨

**알람 - 삼성캠 (2017-11-30 13:45:35)**

- 알람 ID: 2923273
- 원본 알람 ID: 2479210
- 시간: 2017-11-30 13:45:35
- 등급: 알림
- 분류: 침입
- 무인관理所: 수원시
- 장치: 삼성캠
- 메시지: 모션 센서가 감지됨
- 조치사항: [Redacted]

Buttons: 알람 확인, 닫기



# Device Display UI

# Device UI Examples

- IP Video Door Phone
- IP Emergency Phone
- Security Sensors
- ISMS for Unmanned Security Zone
- Streaming & Recording Server
- Storage Server
- IP Cameras
- Smart Sensor Hubs



# Device : IP Video Door Phone

The screenshot displays the Smart Security Manager web interface. The title bar shows 'Smart Security Manager' and '지역본부' (Regional Office). The top right corner indicates the IP address '172.16.30.169', the user '본부관리자 로그인' (Login as System Administrator), and the time '01:44 PM'. The main menu includes '상황판' (Dashboard), '무인관리소' (Unmanned Control Room), '장치' (Device), '알람 241' (Alarm 241), '작업' (Task), and '이력' (Log). The device list table is as follows:

이름	무인관리소	모델명	IP 주소	접속해제시간	재시작	물래...
VAC	무인관리소	VAC	172.16.50.125	2017-10-23 11:25:16		

At the bottom of the interface, there are navigation controls for '페이지 1 / 1' and a '전체: 1' (Total: 1) indicator.

# Device : IP Emergency Phone

The screenshot shows the Smart Security Manager interface with a table of IP Emergency Phone devices. The table has columns for Name, Location, Model Name, IP Address, and Registration Time. The devices listed are all of model AP-EIP60 and are registered on 2017-11-24 at 16:43:32.

이름	무인관리소	모델명	IP 주소	등록해제시간	해시값	필터...
EIP60_voice	수원시	AP-EIP60	172.17.10.222	2017-11-24 16:43:32		
권선구 권선로 545	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
권선구 수언로 84	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
영통구 광고중앙로 49	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
장안구 경수대로 776	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
장안구 광고산로 154	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
장안구 광고산로 97	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
장안구 서부로 2066	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
장안구 송정로 41	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
장안구 수성로 262	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
장안구 조원로 111	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
팔달구 고동로 37	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
팔달구 매산로 138	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
팔달구 인계로 123	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
팔달구 월곡로 22	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		
팔달구 장릉대로 210	수원시	AP-EIP60	172.16.10.112	2017-11-24 16:43:32		

# Device : Security Sensors

The screenshot shows the 'Smart Security Manager' interface for a '지역본부' (Regional Office). The top navigation bar includes '상황판', '무인관리소', '장치', '알람 241', '작업', and '이력'. Below the navigation bar, there are tabs for '영상처리장치', '저장분배서버', '저장장치', '허브', '센서', '카메라', '도어폰', and '비상폰'. The '센서' tab is selected. The main content area displays a table of security sensors with columns for '이름', '무인관리소', '모델명', '등록', 'IP 주소', and '접속해제시간'.

이름	무인관리소	모델명	등록	IP 주소	접속해제시간
AIR1	무인관리소	AIR1	myHUB		2017-10-23 14:02:39
AIR_10	안산시	AIR	myHUB		2017-11-30 10:57:20
AIR_50	안산시	AIR	SAH50N		2017-11-30 10:57:20
DOOR1	무인관리소	DOOR1	myHUB		2017-10-23 14:02:39
MOTION1	무인관리소	MOTION1	myHUB		2017-10-23 14:02:39
SIREN1	무인관리소	SIREN1	myHUB		2017-10-23 14:02:39
SWITCH1	무인관리소	SWITCH1	myHUB		2017-10-23 14:02:39
VAC카메라	무인관리소	VAC600V_G2			2017-11-29 20:11:19
상정경	안산시	SNP-6320RH			2017-11-30 10:57:20

At the bottom of the interface, there is a pagination control showing '페이지 1 / 1' and a total count of '전체: 9'.

# Device : ISMS for Unmanned Zone

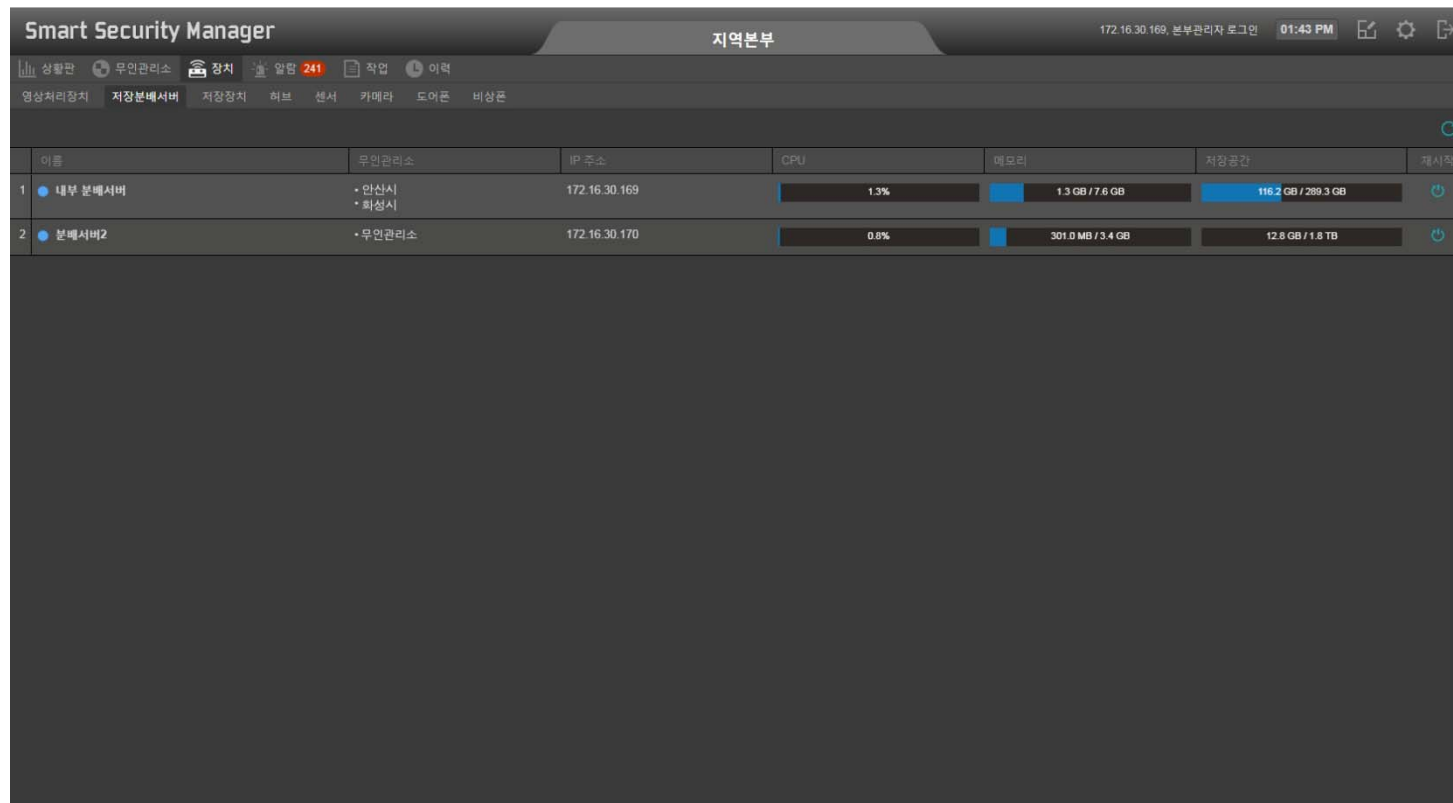
The screenshot displays the 'Smart Security Manager' web interface. The title bar shows '지역본부' (Regional Office) and the user is logged in as '본부관리자' (Office Manager) at '01:43 PM'. The main menu includes '상황판' (Dashboard), '무인관리소' (Unmanned Control Station), '장치' (Device), '알림 241' (Alerts 241), '작업' (Tasks), and '이력' (History). The '장치' menu is active, showing a list of devices. A search bar is located on the right side of the table.

이름	모델명	IP 주소	접속해제시간	재시작
1 무인관리소	AP-ISMS100	172.16.30.167	2017-10-23 14:02:38	🔄
2 안산시	AP-ISMS100	172.16.30.162	2017-11-30 10:57:18	🔄
3 화성시	AP-ISMS100			🔄

Navigation: << < | 페이지 1 / 1 | >> >> | 🔄

전체: 3

# Device : Streaming & Recording Server



The screenshot displays the 'Smart Security Manager' interface for a '지역본부' (Regional Office). The top navigation bar includes '상황판' (Dashboard), '무인관리스' (Unattended), '장치' (Device), '알림 241' (Alerts 241), '작업' (Task), and '이력' (History). Below the navigation, there are tabs for '영상처리장치' (Video Processing Device), '저장분배서버' (Storage Distribution Server), '저장장치' (Storage Device), '허브' (Hub), '센서' (Sensor), '카메라' (Camera), '도어폰' (Door Phone), and '비상폰' (Emergency Phone). The main content area shows a table of server devices:

이름	무인관리스	IP 주소	CPU	메모리	저장공간	재시작
1 내부 분배서버	• 안산시 • 화성시	172.16.30.169	1.3%	1.3 GB / 7.6 GB	116.2 GB / 289.3 GB	🔄
2 분배서버2	• 무인관리스	172.16.30.170	0.8%	301.0 MB / 3.4 GB	12.8 GB / 1.8 TB	🔄



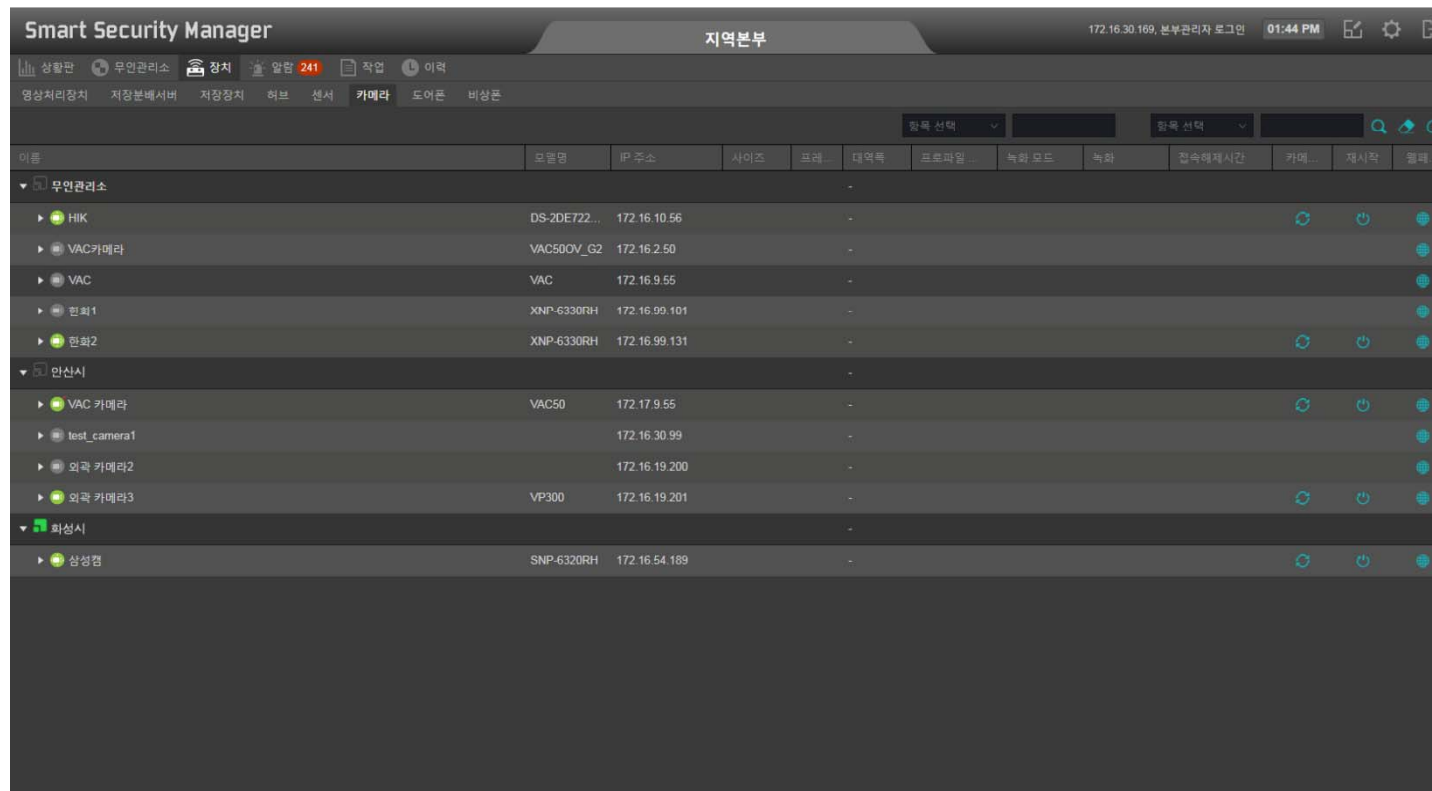
# Device : Storage Server



The screenshot displays the 'Smart Security Manager' interface, specifically the '지역본부' (Regional Office) section. The top navigation bar includes '상황관' (Status), '무인관리소' (Unmanned Control Room), '장치' (Device), '알람 241' (Alarm 241), '작업' (Task), and '이력' (History). The main menu shows '영상처리장치' (Video Processing Device), '저장분배서버' (Storage Distribution Server), '저장장치' (Storage Device), '허브' (Hub), '센서' (Sensor), '카메라' (Camera), '도어콘' (Door Lock), and '비상폰' (Emergency Phone). The table below lists five storage servers with their respective IP addresses, CPU usage, memory usage, and storage capacity.

이름	IP 주소	CPU	메모리	저장공간
1 ISMS100_162	172.16.30.162	0.9%	2.8 GB / 3.9 GB	43.5 GB / 5.5 TB
2 ISMS100_165	172.16.30.165	-	-	-
3 NAS #1	172.16.19.1	-	-	-
4 NAS #2	172.16.19.201	-	-	-
5 NAS #3	172.16.19.202	-	-	-

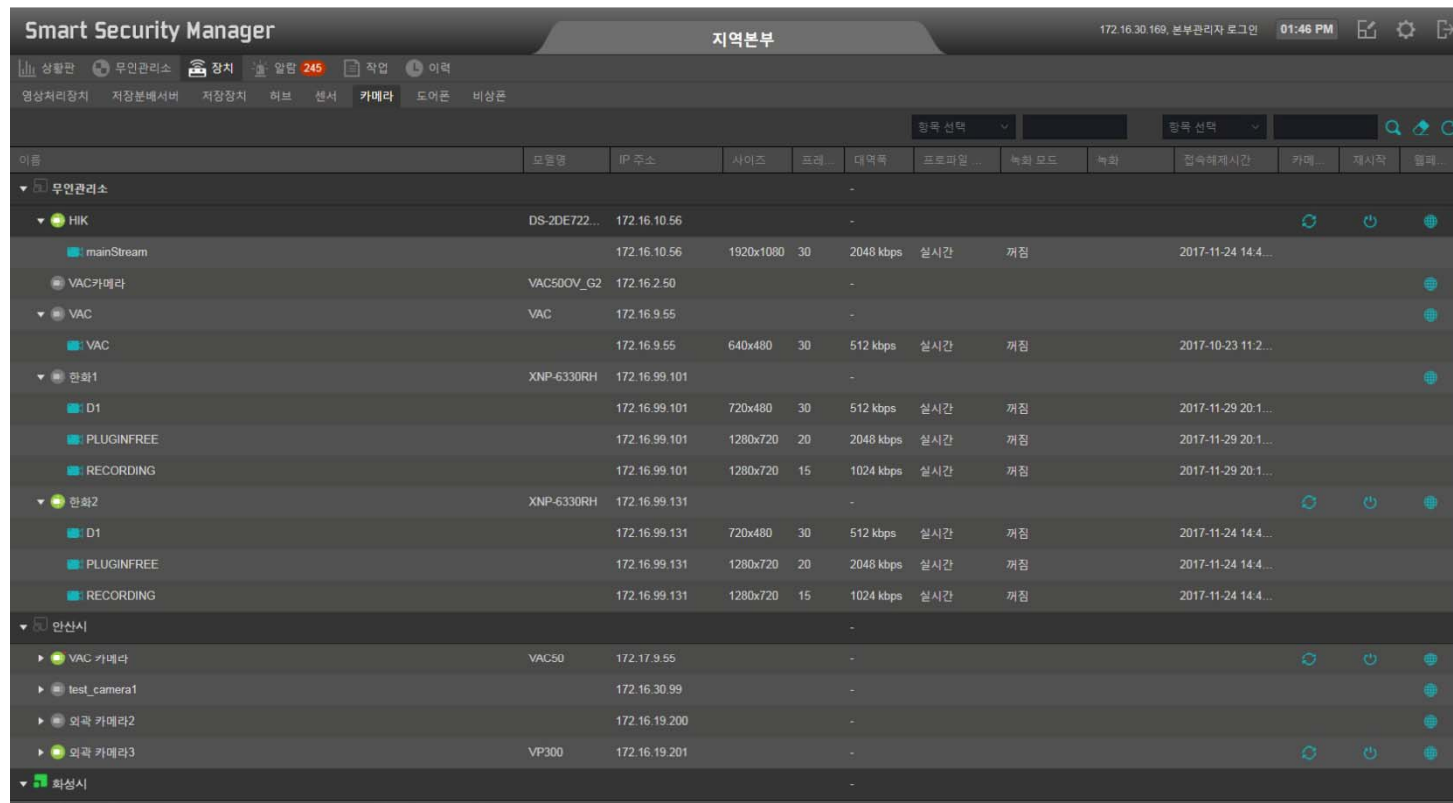
# Device : IP Camera



The screenshot shows the Smart Security Manager interface with a list of IP cameras. The interface includes a top navigation bar with the title 'Smart Security Manager' and '지역본부' (Regional Office). Below the navigation bar, there are several tabs and a search bar. The main content area displays a table of devices with columns for name, IP address, size, and various status icons.

이름	모델명	IP 주소	사이즈	프레...	대역폭	프로파일 ...	녹화 모드	녹화	일속해제시간	카메라...	재시작	웹...
무인관리소												
▶ HIK	DS-2DE722...	172.16.10.56										
▶ VAC카메라	VAC50OV_G2	172.16.2.50										
▶ VAC	VAC	172.16.9.55										
▶ 민화1	XNP-6330RH	172.16.99.101										
▶ 민화2	XNP-6330RH	172.16.99.131										
안산시												
▶ VAC 카메라	VAC50	172.17.9.55										
▶ test_camera1		172.16.30.99										
▶ 외곽 카메라2		172.16.19.200										
▶ 외곽 카메라3	VP300	172.16.19.201										
화성시												
▶ 삼성점	SNP-6320RH	172.16.54.189										

# Device : IP Camera



The screenshot displays the 'Smart Security Manager' interface for a '지역본부' (Regional Office). The interface includes a navigation menu with options like '상황관', '무인관리소', '장치', '알림 245', '작업', and '이력'. Below the menu, there are search and filter options. The main area shows a table of devices categorized into '무인관리소' (Unmanned Control Station), '안산시' (Ansan City), and '화성시' (Hwaseong City).

이름	모델명	IP 주소	사이즈	프레...	대역폭	프로파일 ...	녹화 모드	녹화	접속해제시간	카메라	재시작	알파...
무인관리소												
HIK	DS-2DE722...	172.16.10.56										
mainStream		172.16.10.56	1920x1080	30	2048 kbps	실시간	꺼짐		2017-11-24 14.4...			
VAC카메라	VAC500V_G2	172.16.2.50										
VAC	VAC	172.16.9.55										
VAC		172.16.9.55	640x480	30	512 kbps	실시간	꺼짐		2017-10-23 11.2...			
안화1	XNP-6330RH	172.16.99.101										
D1		172.16.99.101	720x480	30	512 kbps	실시간	꺼짐		2017-11-29 20.1...			
PLUGINFREE		172.16.99.101	1280x720	20	2048 kbps	실시간	꺼짐		2017-11-29 20.1...			
RECORDING		172.16.99.101	1280x720	15	1024 kbps	실시간	꺼짐		2017-11-29 20.1...			
안화2	XNP-6330RH	172.16.99.131										
D1		172.16.99.131	720x480	30	512 kbps	실시간	꺼짐		2017-11-24 14.4...			
PLUGINFREE		172.16.99.131	1280x720	20	2048 kbps	실시간	꺼짐		2017-11-24 14.4...			
RECORDING		172.16.99.131	1280x720	15	1024 kbps	실시간	꺼짐		2017-11-24 14.4...			
안산시												
VAC 카메라	VAC50	172.17.9.55										
test_camera1		172.16.30.99										
외곽 카메라2		172.16.19.200										
외곽 카메라3	VP300	172.16.19.201										
화성시												

# Device : Sensor Hub

The screenshot shows the 'Smart Security Manager' interface with the '지역본부' (Regional Office) tab selected. The top navigation bar includes '상황판', '무인관리소', '장치', '알림 241', '작업', and '이력'. Below the navigation bar, there are search filters for '장류 선택' and '장종 선택'. The main content area displays a table of devices under the '안산시' (Ansan City) category.

이름	모델명	IP 주소	비전	센서	알림	접속해제시간	재시작	진단
SAH50N	SAH50N_G2	172.17.50.51.60266	8.50.00T	1	-	2017-11-30 10:57:20	🔌	🔍
myHUB	SAH50NPC_G2	172.16.30.65:40148	8.50.00T	1	-	2017-11-30 10:57:20	🔌	🔍
myHUB	SAH50NPC_G2	172.16.30.168.59...	8.50.027	5	-	2017-10-23 14:02:39		

# Device : Sensor Hub

Smart Security Manager

지역본부

172.16.30.169, 본부관리자 로그인 01:46 PM

상황판 무인관리소 장치 알람 246 작업 이력

영상처리장치 저장분배서버 저장장치 허브 센서 카메라 도어존 비상폰

이름	모델명	IP 주소	버전	센서	알람	전속해제시간	재시작	진단
수업시								
SAH50N	SAH50N_G2	172.17.50.51:60266	8.50.00T	1	-	2017-11-30 10:57:20	🔌	🔍
AIR_50	AIR			-	-	2017-11-30 10:57:20		
myHUB	SAH50NPC_G2	172.16.30.65:40148	8.50.00T	1	-	2017-11-30 10:57:20	🔌	🔍
AIR_10	AIR			-	-	2017-11-30 10:57:20		
무인관리소								
myHUB	SAH50NPC_G2	172.16.30.168:59...	8.50.027	5	-	2017-10-23 14:02:39		





# Smart Hub for Fire Sensor Alarm Service



# AP-SH1000

## Enterprise Smart Hub for 447MHz Fire Sensors

# Contents

- Product Overview
- Hardware Specification
- APOS Technology
- Network Protocols
- Network Management
- Security Management
- Application Service
- Ordering Information

# Product Overview

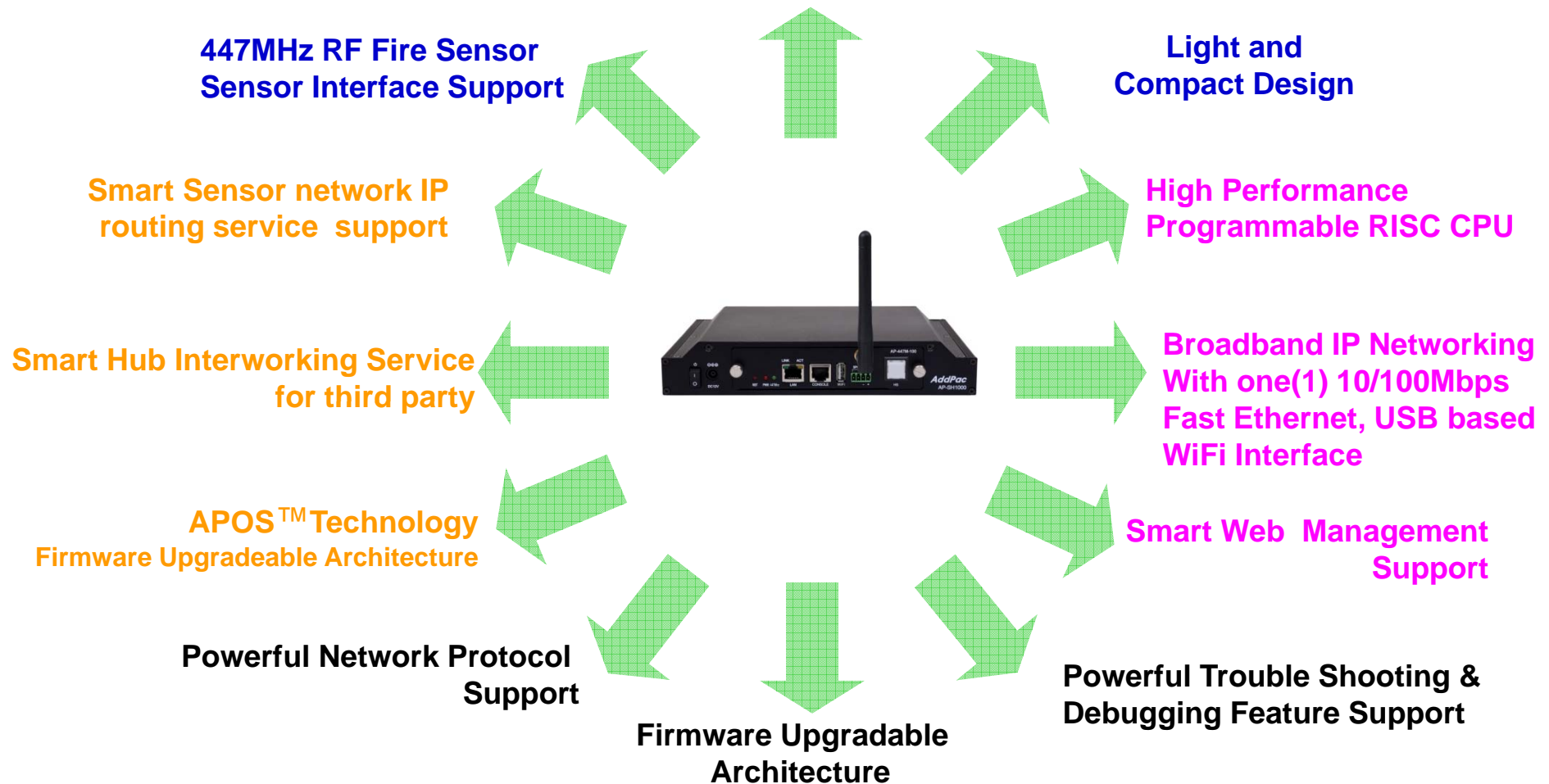
## AP-SH1000 Enterprise Smart Hub

- Advanced Smart Enterprise Solution
- 447MHz RF Fire Sensor Interface Support
- Smart IP Routing Service Features for Sensor Network
- AddPac IoT Solution Interworking Service Features
- Smart Hub Interworking Support for Third Party
- Module Type Hardware Architecture for Flexibility and Scalability
- High Performance RISC Programmable Architecture
- One 10/100Mbps Fast Ethernet Interface
- USB based WiFi Module Support
- External Antenna Support for Sensor Device
- High Performance LAN-to-447MHz RF Sensor Routing Capability
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Smart Web based Management
- Light and Compact Design with External Power Supply

# Product Highlights

AP-SH1000 Enterprise Smart Hub

## Powerful Smart Hub for 447MHz RF Fire Sensors

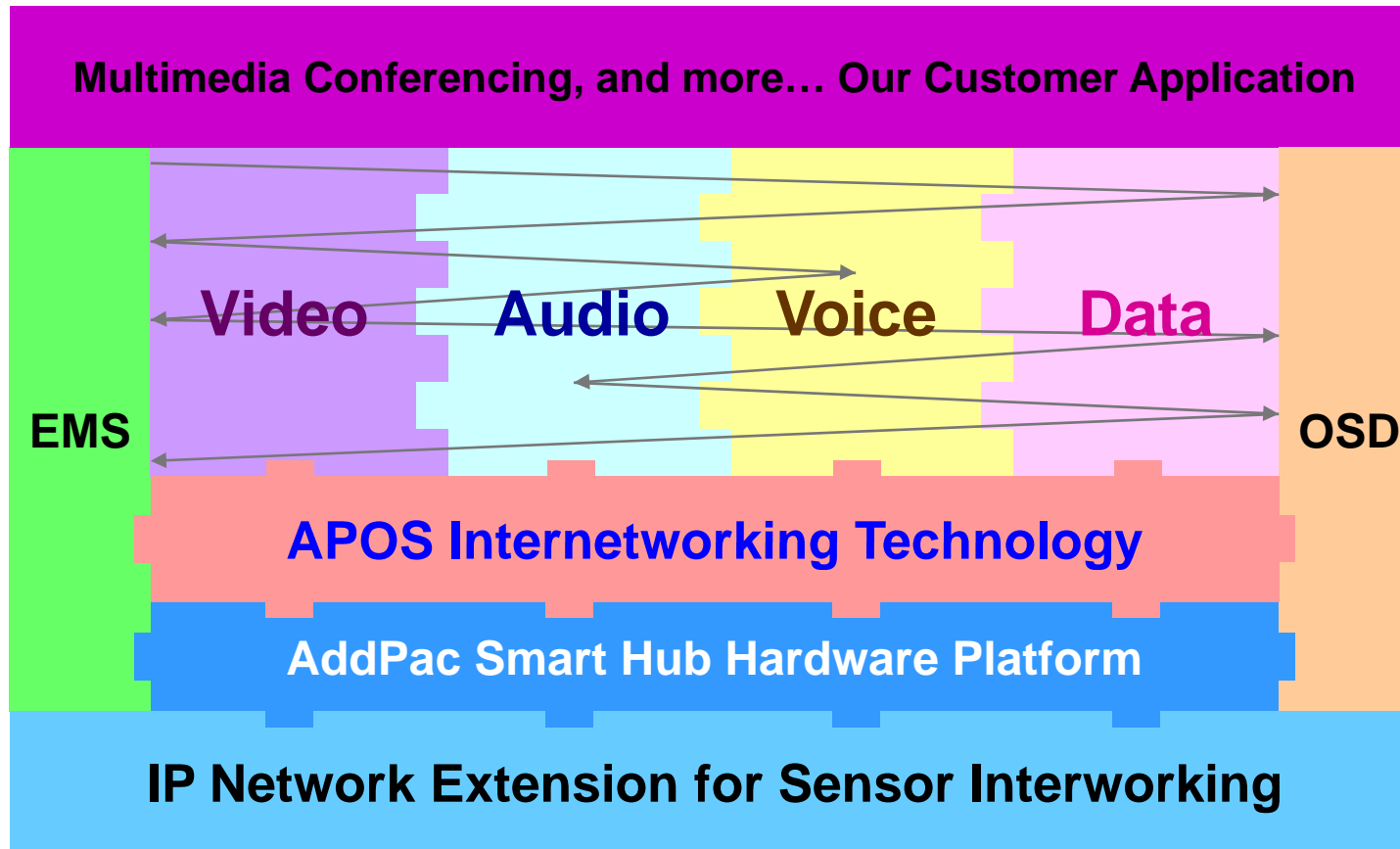


**AddPac**

[www.addpac.com](http://www.addpac.com)

# APOS Technology

AP-SH1000 Enterprise Smart Hub for Z sensors



- APOS : AddPac Internetworking Operating System
- OSD : On- Screen Display
- EMS : Element Management System



# Hardware Specification

AP-SH1000 Enterprise Smart Hub for Z sensors

RISC  
CPU

- RISC Microprocessor Computing Power
- Fire Sensor Interface Modules
  - AP-447M-100
- Speaker & Beacon Port
- Network Interface
  - One(1) 10/100Mbps Fast Ethernet (RJ45)
  - One(1) USB Port for WiFi USB Module
- One(1) RS232C Console Port
- Run LED, LAN LED, etc
- External Power Supply

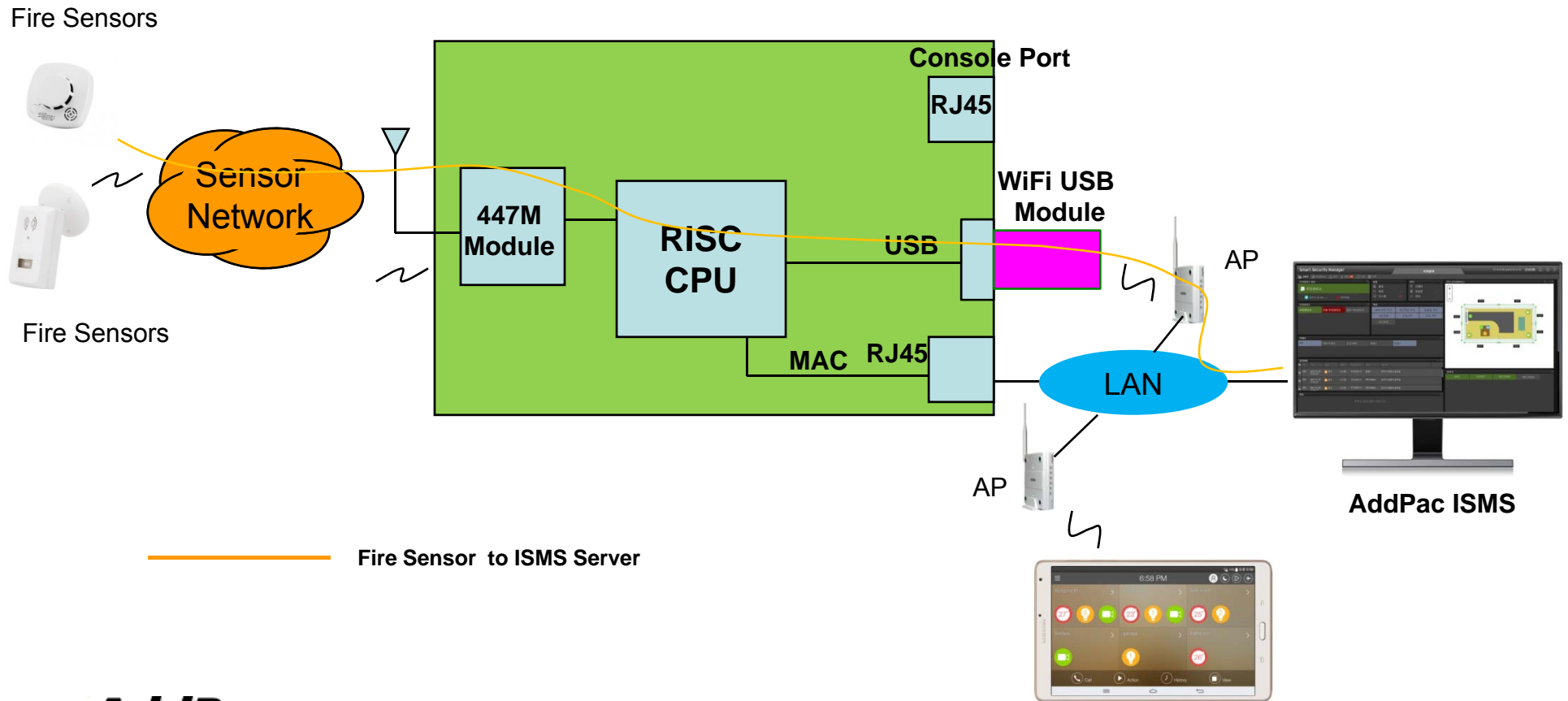
# Hardware Specification

AP-SH1000 Enterprise Smart Hub

RISC  
CPU

## Smart Hub Service Diagram

AP-SH1000 Enterprise Smart Hub Internal H/W Block Diagram



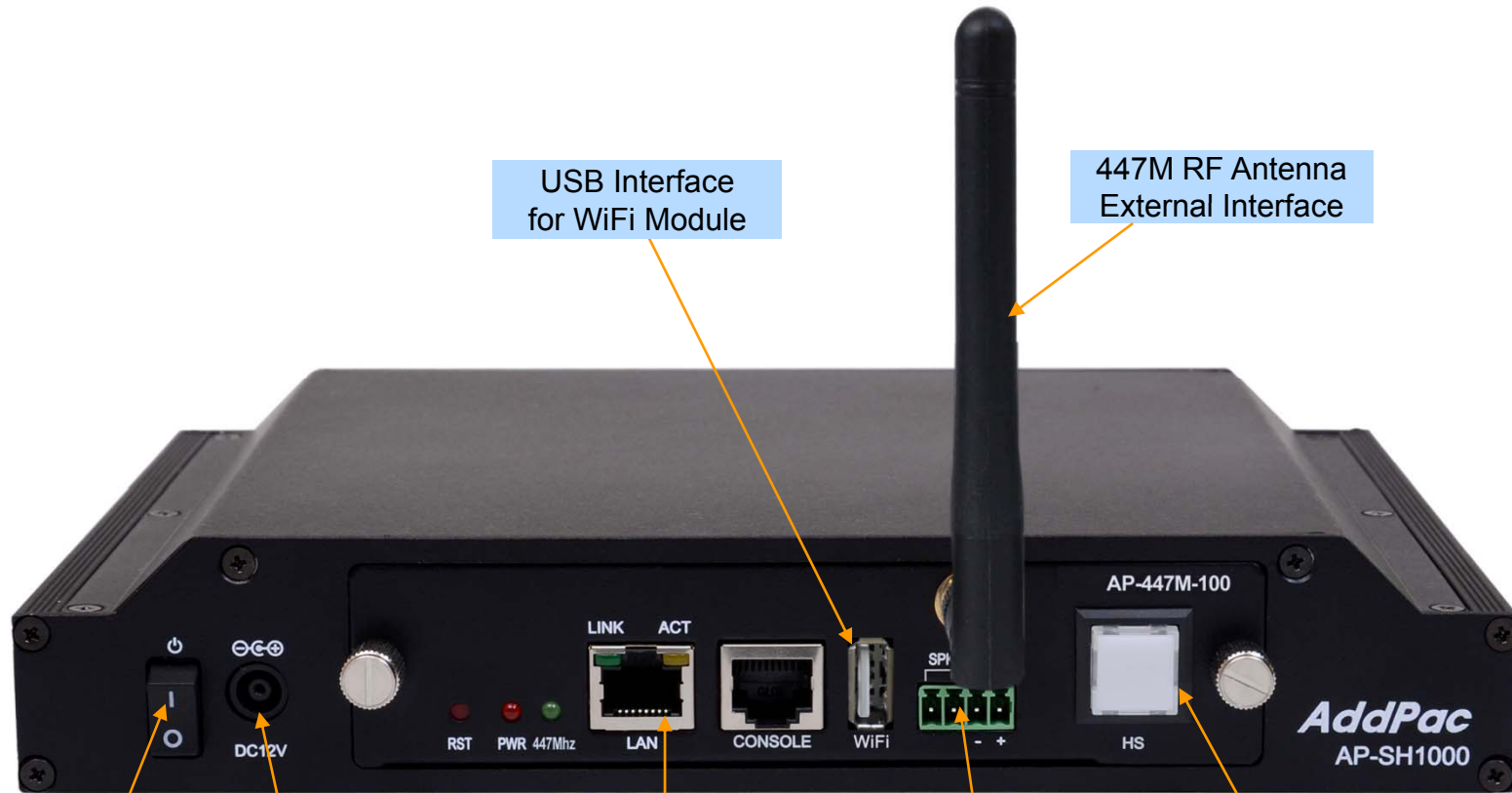
# Hardware Specification

## AP-SH1000 Enterprise Smart Hub

<b>AP-SH1000 Enterprise Smart Hub</b>	<b>Basic Specifications</b>
<b>AP-447M-100 Sensor Interface Module</b>	One(1)-Port 447MHz Interface with One(1) Antenna Port
<b>Ethernet Interface</b>	1-Port 10/100Mbps Ethernet Interface(1 x RJ45)
<b>WiFi Interface</b>	USB based WiFi Module
<b>Console Interface</b>	1-Port RS-232C Console Interface ( 1 x RJ45)
<b>Power Requirement</b>	Power Supply Adaptor / VAC 110~220V, 50/60Hz, 12V, 1A
<b>Operating Temperature</b>	0°C ~ 45°C (32 °F ~ 122°F)
<b>Storage Temperature</b>	-40°C ~ 85°C (-40°C ~ 185°F)
<b>Relative Humidity</b>	5% ~ 95% (Non-condensing)
<b>Dimension (H x W x D)</b>	40 mm x 230 mm x 175 mm
<b>Weight (Kg)</b>	1.25Kg

# Hardware Specification

AP-SH1000 Enterprise Smart Hub



USB Interface for WiFi Module

447M RF Antenna External Interface

Power Switch

Power Input

LAN0 10/100Mbps Ethernet

Speaker & beacon Port

Blue LAMP Status LED

www.addpac.com



# AP-SHC300

## Smart Hub Control PAD

# Contents

- Product Overview
- Hardware Specification
- Software Service
- Network Protocols
- Network Management
- Security Management
- Application Area
- Ordering Information



# Product Overview

## AP-SHC300 Smart Hub Control PAD

- High Performance Smart Hub Control PAD Solution for 447Mhz Fire Sensor Devices
- Advanced Enterprise Sensor Device Control Solution
- 447MHz Fire Sensor Interface Support
- Smart IP Routing Solution for Sensor Network
- Smart Hub + Control PAD Hybrid Solution
- TFT Color LCD, Touch Screen, Touch Sensor, Internal MIC & Speaker
- High Quality “7 Inch LCD, 800x480 Video Resolution
- Network Interface
  - One(1) 10/100Mbps Fast Ethernet
  - One(1) USB 2.0 Interface for External WiFi USB Module (Option)
- PoE(Power over Ethernet) or Internal SMPS Power Support (Option)
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Advanced Voice QoS Mechanism

# Product Highlights

AP-SHC300 Smart Hub Control PAD

## Powerful Smart Hub for Z sensors

IP based Smart Sensor Control  
Wall PAD

447M Fire Sensor Interface Support

Touch Screen LCD  
Touch Sensor

High Performance RISC CPU  
& Programmable DSP

7 Inch LCD Display  
800 x 480 Resolution

Smart Hub Interworking Service  
for third party

APOS™ Technology  
Multimedia Network Protocol

Smart Sensor network IP  
routing service support

IP based Network Protocol

Broadband IP Networking  
with one 10/100Mbps ethernet,  
USB 2.0 Interface for External  
Wifi USB Module

Firmware Upgradable  
Architecture

[www.addpac.com](http://www.addpac.com)

**AddPac**

# Hardware Specification

## AP-SHC300 Smart Hub Control PAD

- RISC+DSP Microprocessor Computing Power
- Audio and Voice Interface
  - Internal MIC
  - Internal Speaker
- TFT Color LCD Interface with Touch Screen
  - 7 Inch LCD, 800 x 480, D1 Video Resolution
- 1-Port 447MHz RF Interface + External Antenna
- Network Interface
  - One(1) 10/100Mbps Fast Ethernet
  - One(1) USB 2.0 Interface for External WiFi USB Module (Option)
- Wall Mount
- Power Supply
  - Power over Ethernet (Option)
  - Internal SMPS Power (Option)
  - External Power Adaptor (Default)

# Hardware Specification

## AP-SHC300 Smart Hub Control PAD

- **LCD Controller**
  - One-Chip Solution for amorphous TFT-LCD
  - Support resolution up to 480xRGBx800
  - Built-in 172800 bytes internal RAM
  - 6,8,16, and 18-bit RGB Interface
  - Resize Function ( x ½, x ¼)
  - On-Chip Power Management System
- **Speaker**
  - Impedance : 8 +-15%ohm at 1kHz, 1.0 Vrms
  - Sound Pressure : 90 +- 3dB at 0.1W/10 CM at 800Hz, 1.0kHz, 1.2kHz, 1.5kHz
  - Resonance Level : 550Hz +- 20%Hz at Fo Hz, 1.0Vrms
  - Frequency Range : Fo Hz ~20kHz
  - Input Power : Normal : 1.0 W, Max : 2.0W
- **Audio Amplifier**
  - 1-W BTL Output(5V, 0.11 % THD+N)
  - Uncompensated Gains of 2 to 20 (BTL Mode)
  - Thermal and Shot-circuit Protection
  - High Supply Ripple Rejection Ratio
- **PoE(Power over Ethernet), Option**
  - IEEE802.3af compliant
  - Input voltage range 36V to 57V
  - Short-circuit Protection

# Hardware Specification

AP-SHC300 Smart Hub Control PAD

## Front Side



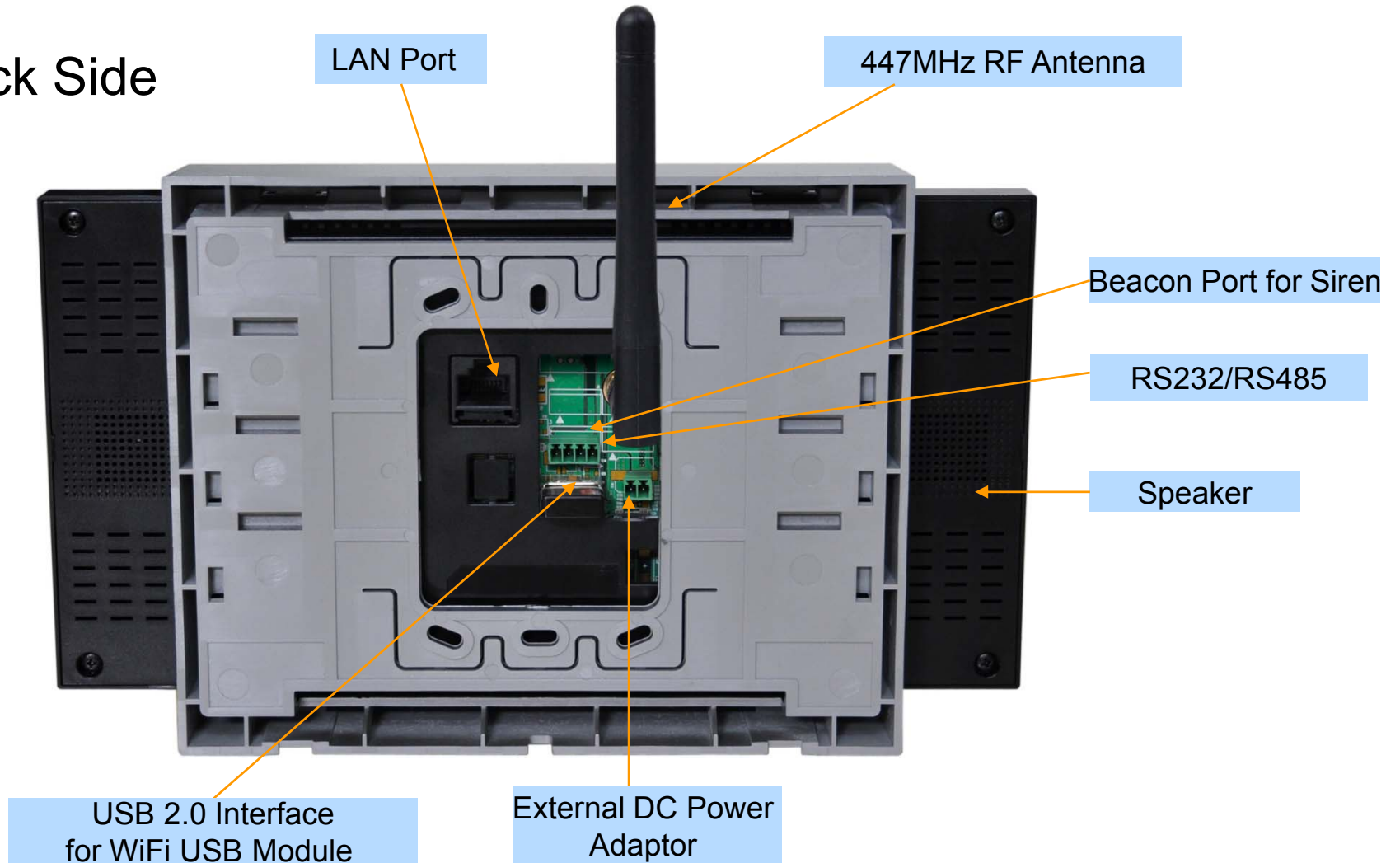
7inch  
TFT LCD Display  
with Touch  
Screen

Internal MIC Input

# Hardware Specification

AP-SHC300 Smart Hub Control PAD

Back Side





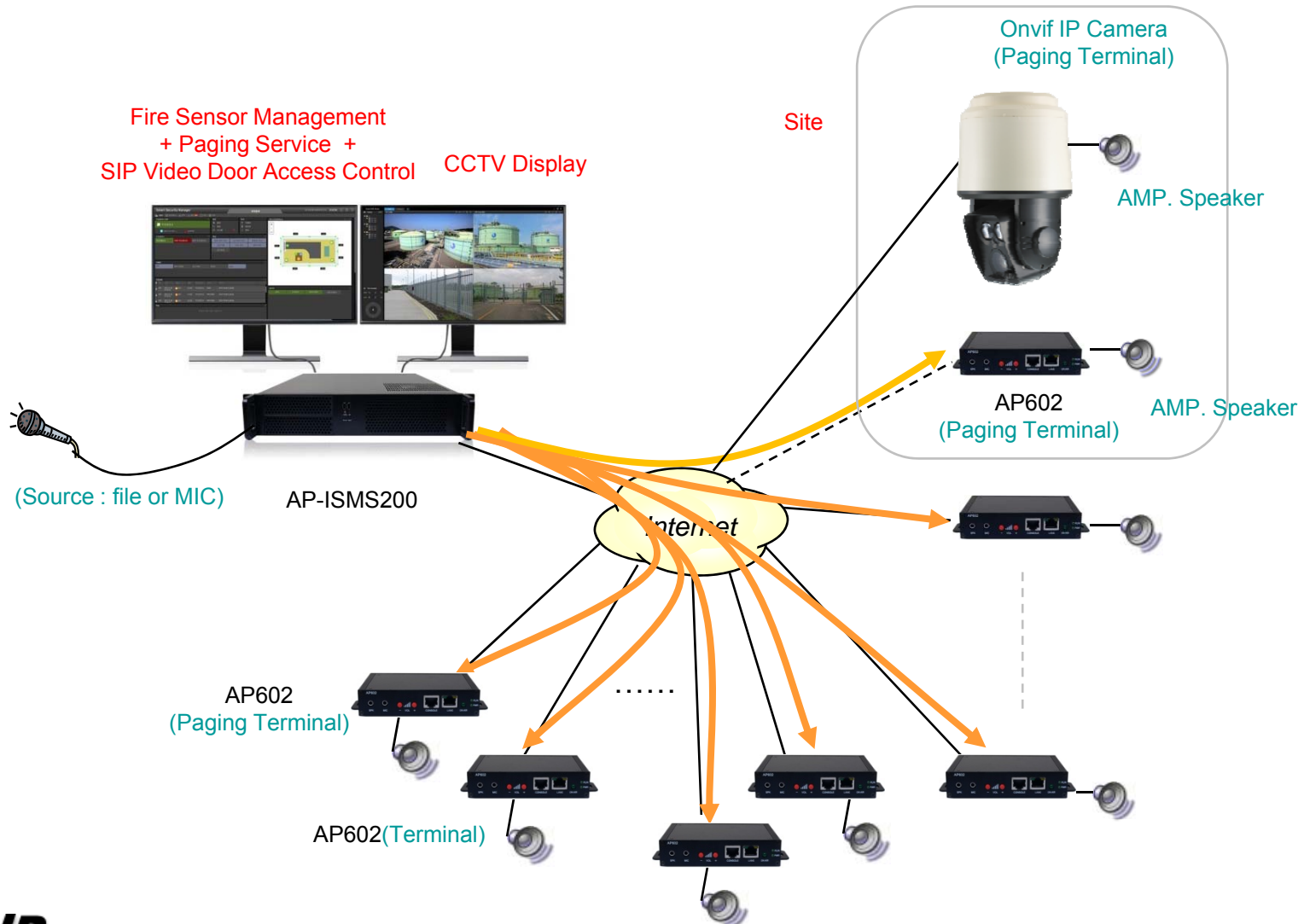
# IP Emergency Paging Service



# 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 Source**

media\_source   nms broadcast   video broadcast

**Broadcasting Group**

media\_group   multimedia team   nms team

**Broadcasting Session Status**

Device Name	IP Address	Status
<input checked="" type="checkbox"/> media_server	172.17.101.247	No response
<input checked="" type="checkbox"/> media_group		
<input checked="" type="checkbox"/> vp200_hqiang	172.16.253.106	Broadcasting in ...

**Favorites**

Media Server broadcast

**Broadcasting Session**

Broadcasting Name	Broadcasting Source	Broadcasting T.type	Start Time	Number of terminals bei...	Number of terminals fail...	Schedule Name	Bbroadcasting Time
Media Server broadca...	media_source	Video Broadcasting	2008-03-27 10:13:46	1	1		00:00:13

3/27/2008 10:13:59 AM   ver 1.2.2965.20959   127.0.0.1:8089   Super Admin (administrator)

# Broadcasting Device Management

**Device Properties**

Device Name: media\_server  
 Description:   
 IP Address: 172.17.101.247  
 Device Model: AP3120  
 Remote control of Broadcasting:   
 Module Information:

Slot	Module
0 (Slot)	<N/A>
1 (Slot)	AP-AUDIO2

Ok Cancel

**Broadcasting Session**

Broadcasting Name	Broadcasting Source	Broadcasting Type	Start Time	Number of terminals bei...	Number of terminals faile...	Schedule Name	Bbroadcasting Time
Media Server broadca...	media_source	Video Broadcasting	2008-03-27 10:13:46	1	1		00:03:09

3/27/2008 10:16:57 AM ver 1.2.2965.20959 127.0.0.1:8089 Super Admin (administrator)



# Broadcasting Group Management

The screenshot displays the 'Multimedia Broadcasting System - [Broadcasting Manager]' window. The 'Group Properties' dialog is open, showing the following details:

- Group Name: nms team
- Description: (empty)
- Setup for Amplifier: Amplifier 1, Amplifier 2, and Amplifier 3 are all unchecked.

Below the input fields are two tables:

Broadcasting Device List			
Device Name	IP Address	Module	Port Number
landberg	172.16.19.100	AP-AV1000	(1/1) (1/0)
media_server	172.17.101.247	AP-AUDIO2	(1/0) (1/0)
media_server	172.17.101.247	AP-AUDIO2	(1/1) (1/1)
172.16.41.11	172.16.41.11	AP-VP300	(0/1) (0/0)
NMS_VP300	172.16.16.30	AP-VP300	(0/1) (0/0)
vp200_meeting_ro...	172.17.201.108	AP-VP300	(0/1) (0/0)
vp200_hgiang	172.16.253.106	AP-VP300	(0/1) (0/0)
phone_jschoi	172.16.19.101	AP-VP300	(0/1) (0/0)
VP200_phkwon	172.16.40.30	AP-VP300	(0/1) (0/0)

Broadcasting device included in the group			
Device Name	IP Address	Port Number	
172.16.41.11	172.16.41.11	(0/1) (0/0)	

The status bar at the bottom shows the date and time (3/27/2008 10:18:54 AM), version (ver 1.2.2965.20959), IP address (127.0.0.1:8089), and user (Super Admin [administrator]).

# User Management

The screenshot displays the Multimedia Broadcasting Management System interface. The main window is titled "Multimedia Broadcasting System - [Broadcasting Manager]". It features a menu bar with "Broadcasting", "Management", "View", and "Help". Below the menu bar is a toolbar with various icons. The main area is divided into three panes: "Broadcasting Source", "Broadcasting Group", and "Broadcasting structure". A "User Properties" dialog box is open, showing a table of users and a form for editing user details.

User ID	User Name	Description	Connect Status
root	administrator	super user	127.0.0.1

The "User Properties" dialog box includes the following fields and buttons:

- User ID:
- Password:
- User Name:
- Description:
- Access Authority:
- Number of Maximum Acc:
- Buttons: Add, Modify, Delete, Save

The status bar at the bottom of the application shows the date and time (3/27/2008 10:18:54 AM), version (ver 1.2.2965.20959), IP address (127.0.0.1:8089), and the current user (Super Admin (administrator)).

# Reserved Broadcasting Management

**Multimedia Broadcasting System - [Reservation of Broadcasting Management]**

Broadcasting Management View Help

Multimedia Broadcasting Management System  
AddPac

Schedule Broadcasting Management

Schedule Name	Broadcasting ...	Start Time
Morning Broadcasting	General	10:21:27

**Schedule Properties**

Selecting Broadcasting: Media Server broadcast

Schedule Name:

Description:

Scheduled Broadcasting:  General  Time Information

Scheduling Method:  Day  Date

Select Day:  Mon  Tue  Wed  Thu  Fri  Sat  Sun

Broadcasting Time

Start Time: 3/27/2008 10:22:16

End Time: 3/27/2008 10:22:16

Audio File:  Select

Ok Cancel

Broadcasting Name	Broadcasting Source	Broadcasting Type
Media Server broadca...	media_source	Video Broadcasti...

3/27/2008 10:22:10 AM ver 1.2.2965.20959 127.0.0.1:8089 Super Admin (administrator)

# TTS Broadcasting

The screenshot displays the 'Multimedia Broadcasting System - [Broadcasting Manager]' interface. The main window is titled 'TTS Broadcasting' and features a 'Favorites Name' dropdown menu set to 'Media Server broadcast'. Below this, there are two tabs: 'TTS' and 'TTS List'. The 'TTS' tab is active, showing a text area with the following content:

WASHINGTON (AFP) - The Pentagon on Wednesday said an eruption of violence in southern Iraq, where US-backed government forces were battling Shiite militias, was a "by-product of the success of the surge."


Pentagon press secretary Geoff Morrell said it showed that the Iraqi government and security forces were now confident enough to take the initiative against Shiite extremists in the southern port of Basra.

At the bottom of the 'TTS' tab, there is an 'Audio File Name' input field and a 'Start' button. A 'Close' button is located at the bottom right of the 'TTS' tab.

The 'TTS List' tab is also visible, showing a table with the following data:

IP Address	Status
nms team	172.16.41.11

The interface also includes a 'Broadcasting Source' section with icons for 'media\_source', 'nms broadcast', and 'video broadcast'. A 'Favorites' section shows 'Media Server broadcast'. The 'Broadcasting Session' section at the bottom has columns for 'Broadcasting Name', 'Broadcasting Source', and 'Bro...'. The system tray at the bottom shows the date and time as '3/27/2008 10:18:54 AM', the version as 'ver 1.2.2965.20959', the IP address as '127.0.0.1:8089', and the user as 'Super Admin (administrator)'.



# IP Emergency Intercom Service (AP-EIP70 + AP-IP120)



# IP Emergency Intercom (AP-EIP70)

# Product Overview

## AP-EIP70 Emergency Call IP Phone

- High Performance Emergency Call IP Phone Solution
- Emergency Call IP Phone Solution for Outdoor Application
- Water Resistance Function Support
- 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
- Optional External Audio In/Out Interface Support for Noisy Street Installation
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Advanced Voice QoS Mechanism
- Die-Casting STILL Chassis



# Hardware Specification

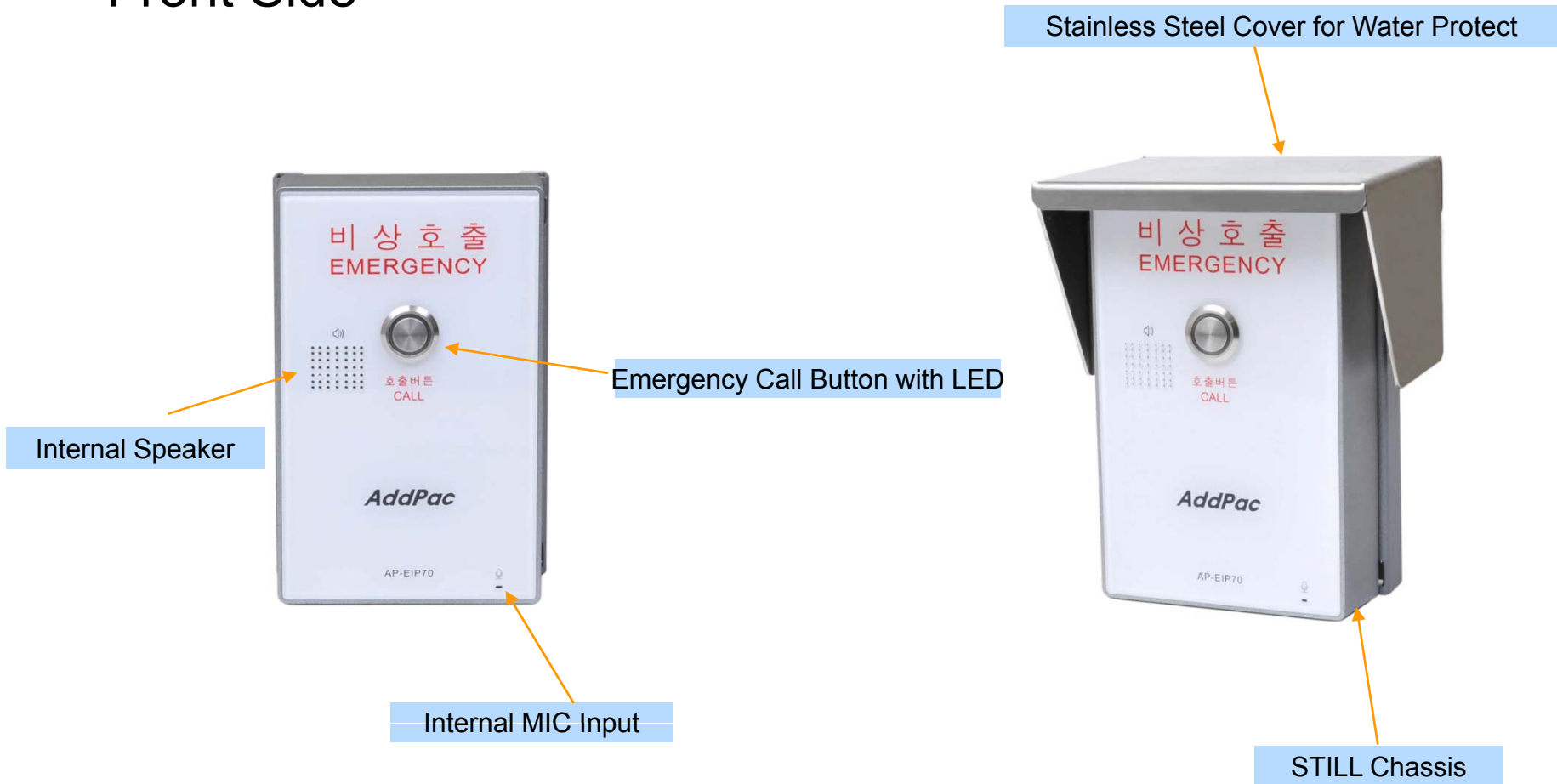
## AP-EIP70 Emergency IP Phone

- 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
- Alarm & Relay Out Interface
- RS232/RS485 Interface
- External RCA Audio Line Out and MIC In (back side)
- Power Supply
  - Power over Ethernet (Option)
  - External Power Adaptor
- Die-Casting STILL Chassis (Option)

# Hardware Specification

## AP-EIP70 Emergency IP Phone

### Front Side



# Hardware Specification

AP-EIP70 Emergency IP Phone

## Back Side



Backside Wall Mount Bracket

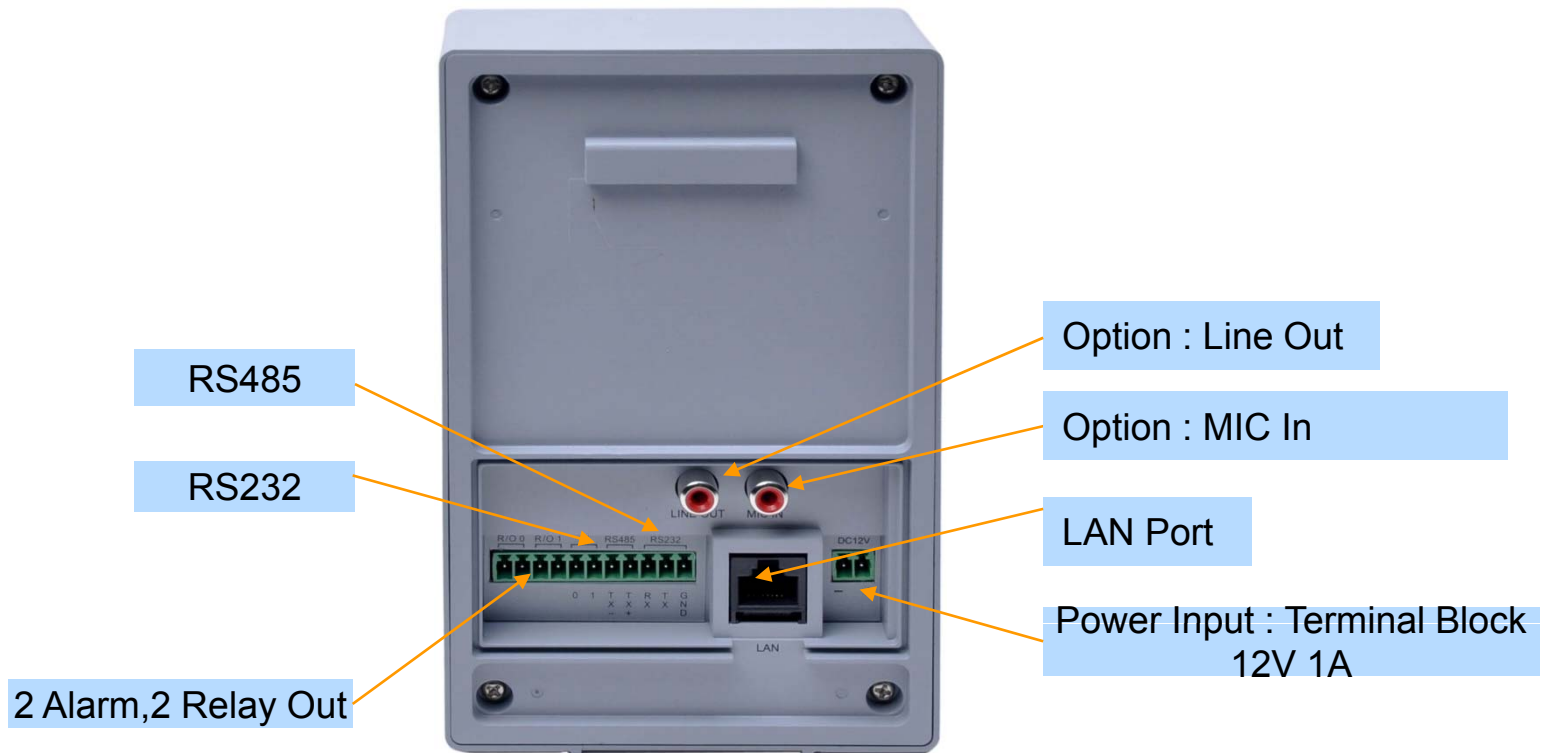


Rubber Cover for Water Protect

# Hardware Specification

AP-EIP70 Emergency IP Phone

## Back Side



# IP Phone (AP-IP120)



# Product Overview

## AP-IP120 IP Phone

- IP Phone Solution
- 12 Speed-Dial Key with Presence Indication Lamp
- High-performance Audio, and Voice Service
- Firmware Upgradeable Architecture
- VoIP Solution with Outstanding Network Service Capability
- Audio Privacy Protection

# Hardware Specification

## AP-IP120 IP Phone

- RISC+DSP Microprocessor Computing Power (Dual Processor Architecture)
- Optional PSTN Backup (FXO) Interface
- Optional PoE (Power over Ethernet)
- High quality Audio and Voice Interface
  - Stereo Audio Input Connector
  - Stereo Audio Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet
- LCD Window : Graphic LCD (4 Line Text)
- 12 Speed-Dial Key with Presence Indication LAMP
- Power Supply
  - External Power Adaptor (5V, 2A)



# Hardware Specification

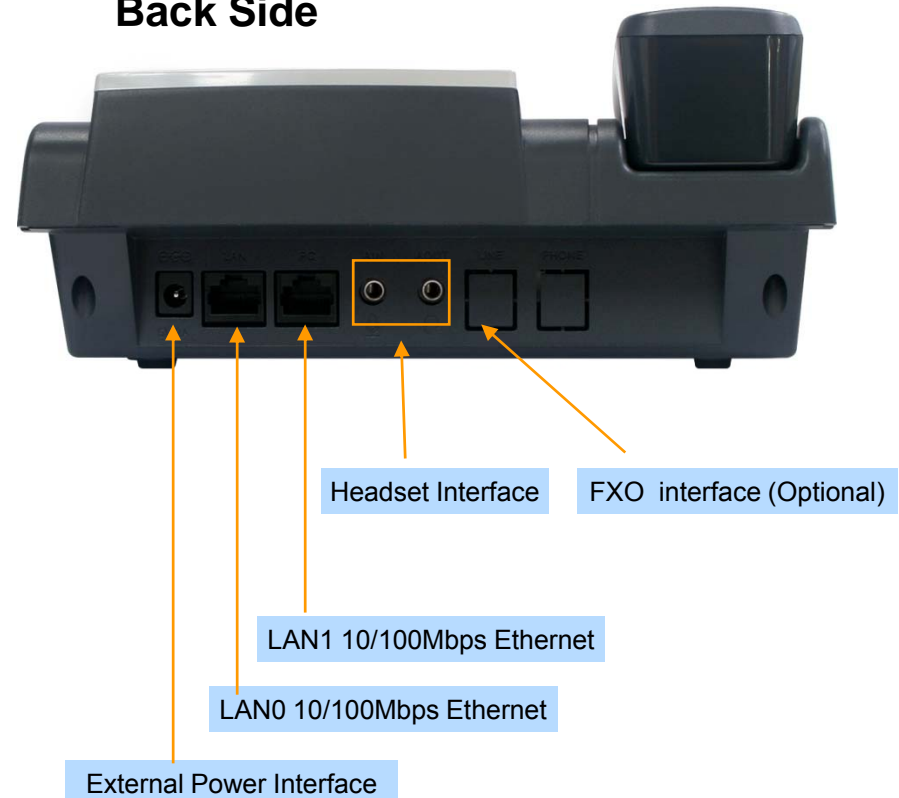
## AP-IP120 IP Phone

### Hardware Specifications

AP-IP120 IP Phone	Basic Specifications
CPU	RISC Microprocessor
Ethernet Interface	2-Ports 10/100Mbps Ethernet Interface(RJ-45)
PSTN Backup Port (Optional)	1-Port PSTN Backup Port(RJ-11)
Flash Memory	4Mbyte High-speed Flash Memory
Base Memory	16Mbyte High-speed SDRAM
Power Requirement	External Power Supply Adaptor / VAC 110~220V, 50/60Hz, 10Watt(5V,2A)
	Power over Ethernet (option)
Operating Temperature	0°C ~ 45°C (32 °F ~ 122°F)
Storage Temperature	-40°C ~ 85°C (-40°C ~ 185°F)
Relative Humidity	5% ~ 95% (Non-condensing)
Dimensions	H x W x D ( 70mm x 200mm x 210mm)
Weight (g)	1Kg

### Network interface Configurations

#### Back Side





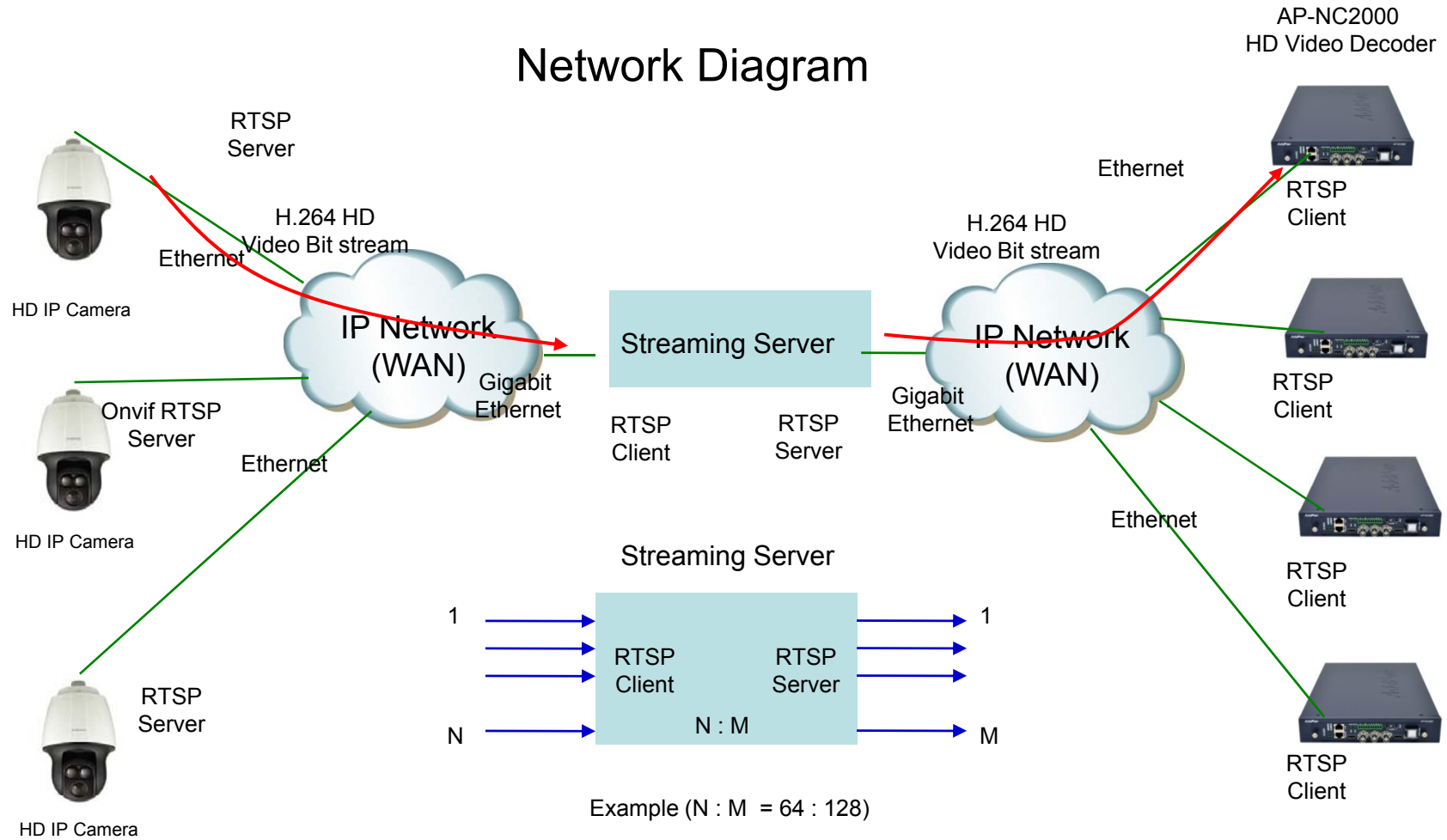
# RTSP Streaming Service

# 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 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 REDIRECT**)
- Video and Audio Support
  - Video Only
  - Audio Only
  - Video + Audio

# Integrated Security Management System Product Component for Regional Command Center

Model	AP-ISMS200 Integrated Security Management System		
Service			
Onvif based NVR CCTV Service (Large Capacity, Storage Backup) + RTSP Streaming Service + Alarm Sensor Server, etc		AP-ISMS200-R (Recording + Streaming Service + Security Sensor Service)	Linux Server + NAS Storage Server
Voice Paging Server for emergency, MAP based Security Management Service, Viewer, ISMS UI, etc		AP-ISMS200-M (Management PC)	MS_Window
Smart Sensor Hub (Wall Type)		AP-SHC300-447M	Linux
Smart Sensor Hub		AP-SH1000-447M	Linux



Model	AP-ISMS200 Integrated Security Management System		
Service			
SIP Emergency Intercom Service		AP-EIP70 SIP Intercom	APOS
		AP-IP120 IP Phone	





# Thank you!

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