Outdoor SIP Emergency Call Service Solution

AddPac

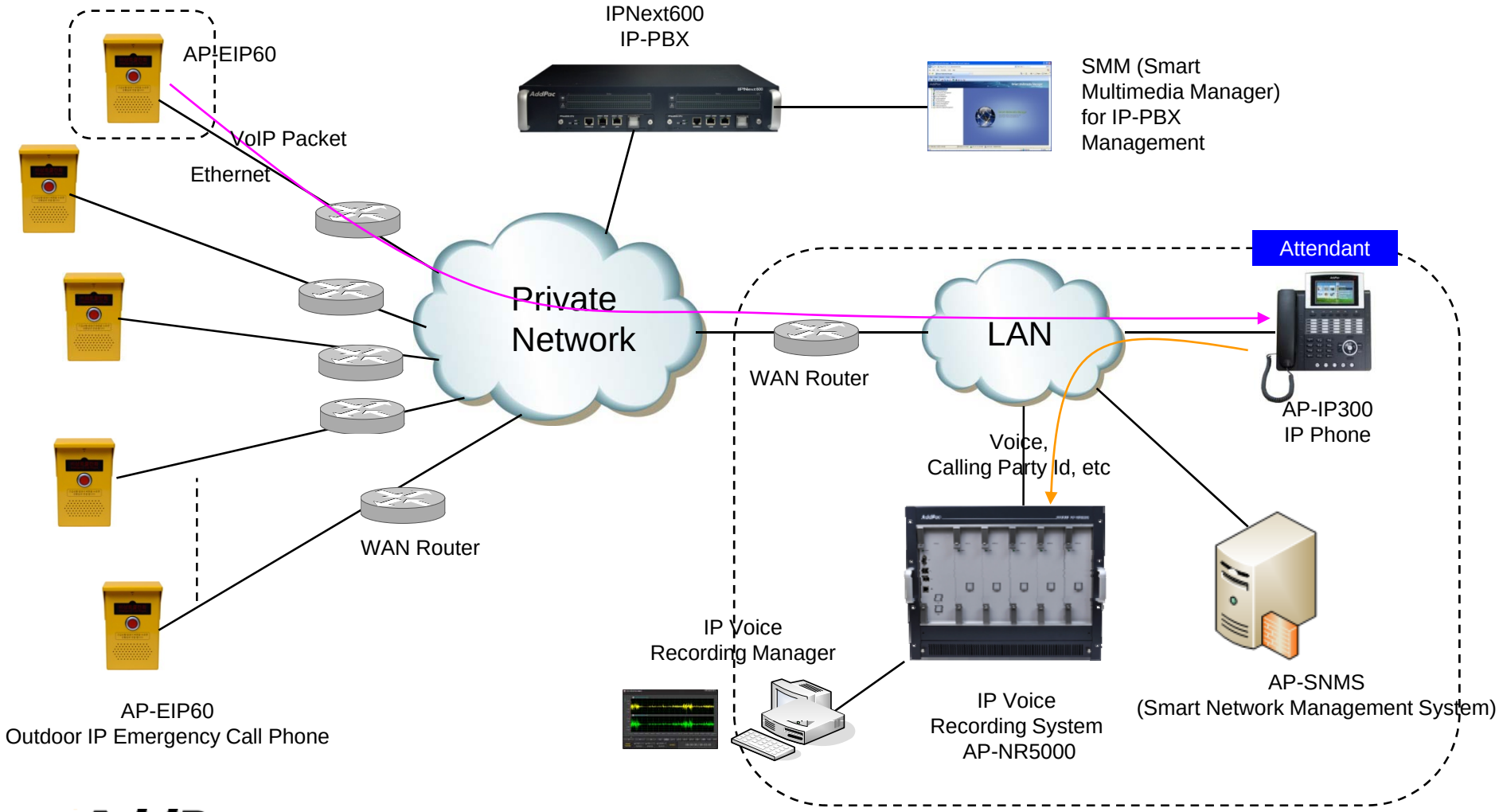
AddPac Technology

Sales and Marketing

Contents

- IP Emergency Call Center Network Diagram
- Outdoor Emergency Call SIP Phone
- IPNext600 IP-PBX Solution for Call Center
- IP Phone Solution for Call Center
- IP Voice Recording Solution

Network Diagram



AP-EIP60
Outdoor Emergency Call
SIP Phone

Product Overview

AP-EIP60 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
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Advanced Voice QoS Mechanism
- Die-Casting STILL Chassis

Hardware Specification

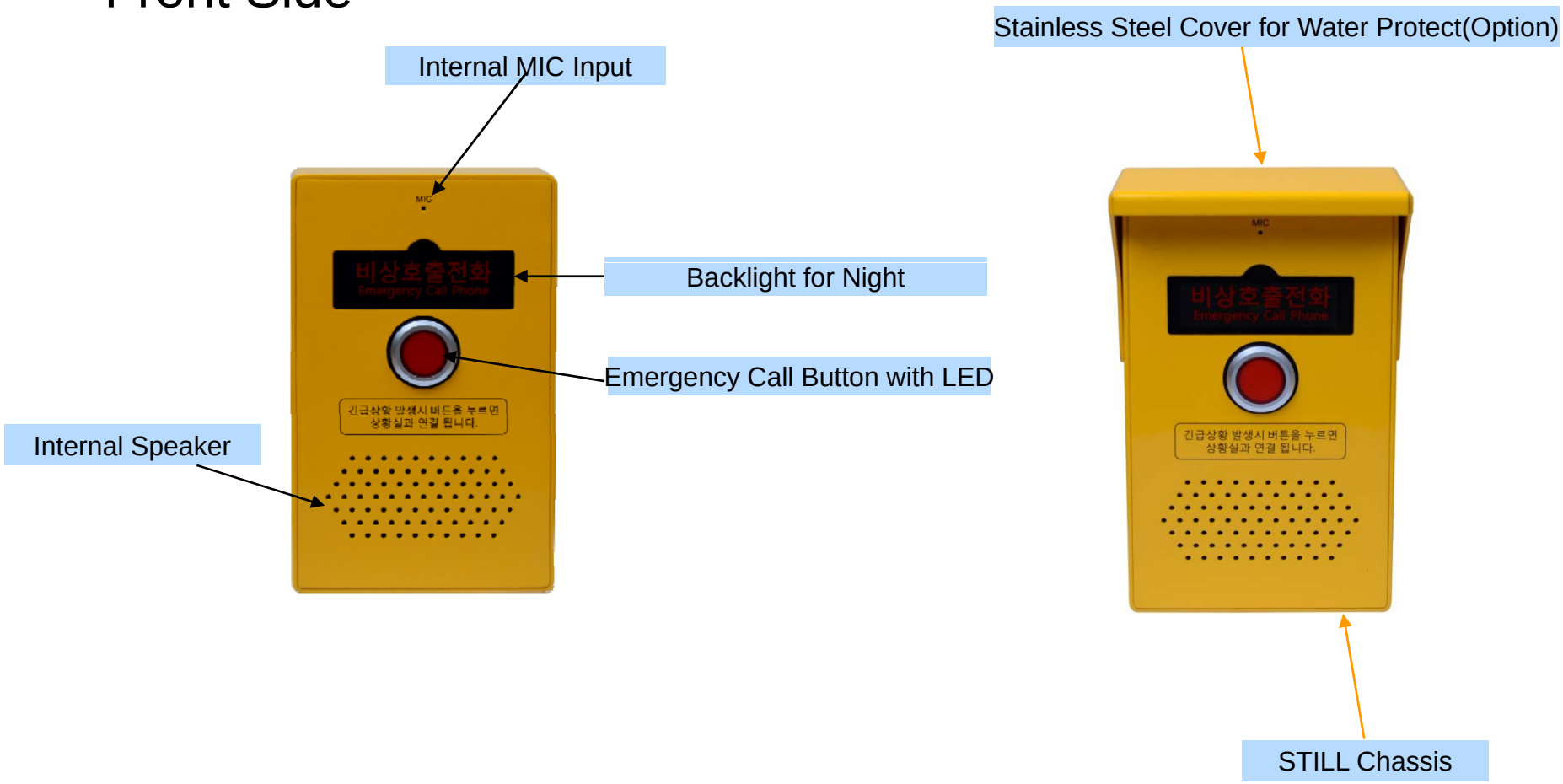
AP-EIP60 Emergency IP Phone

- 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
- Power Supply
  - Power over Ethernet (Option)
  - External Power Adaptor
- Cable (LAN, Power) Outlet (Option : Bottom or Backside)
- Die-Casting STILL Chassis

Hardware Specification

AP-EIP60 Emergency IP Phone

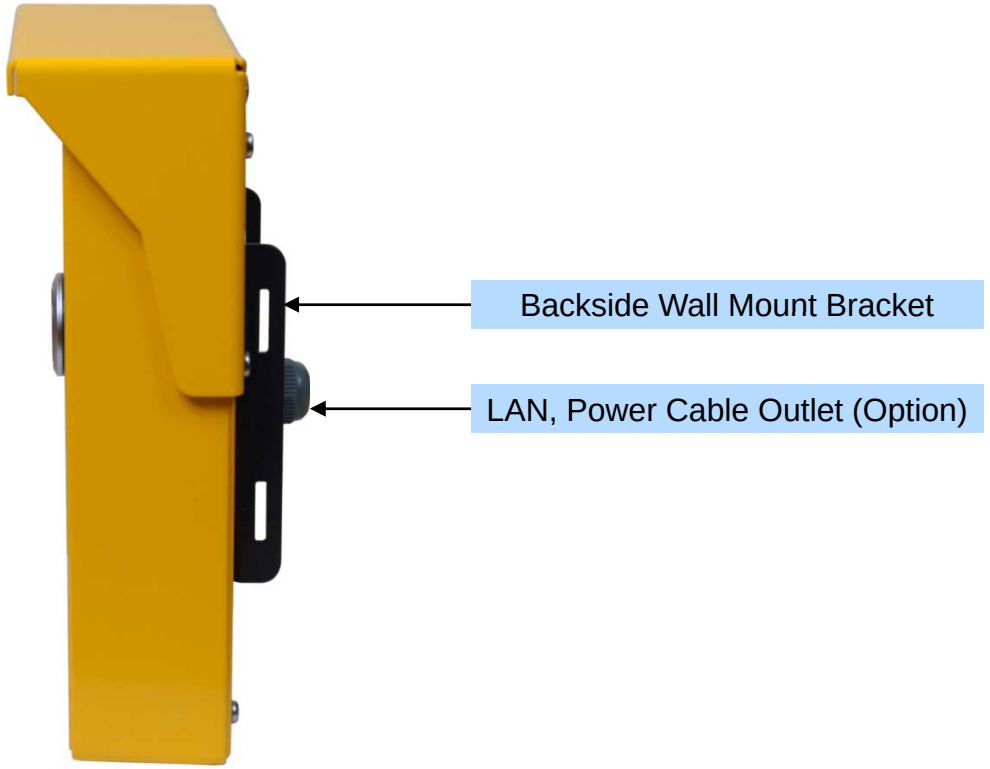
Front Side



Hardware Specification

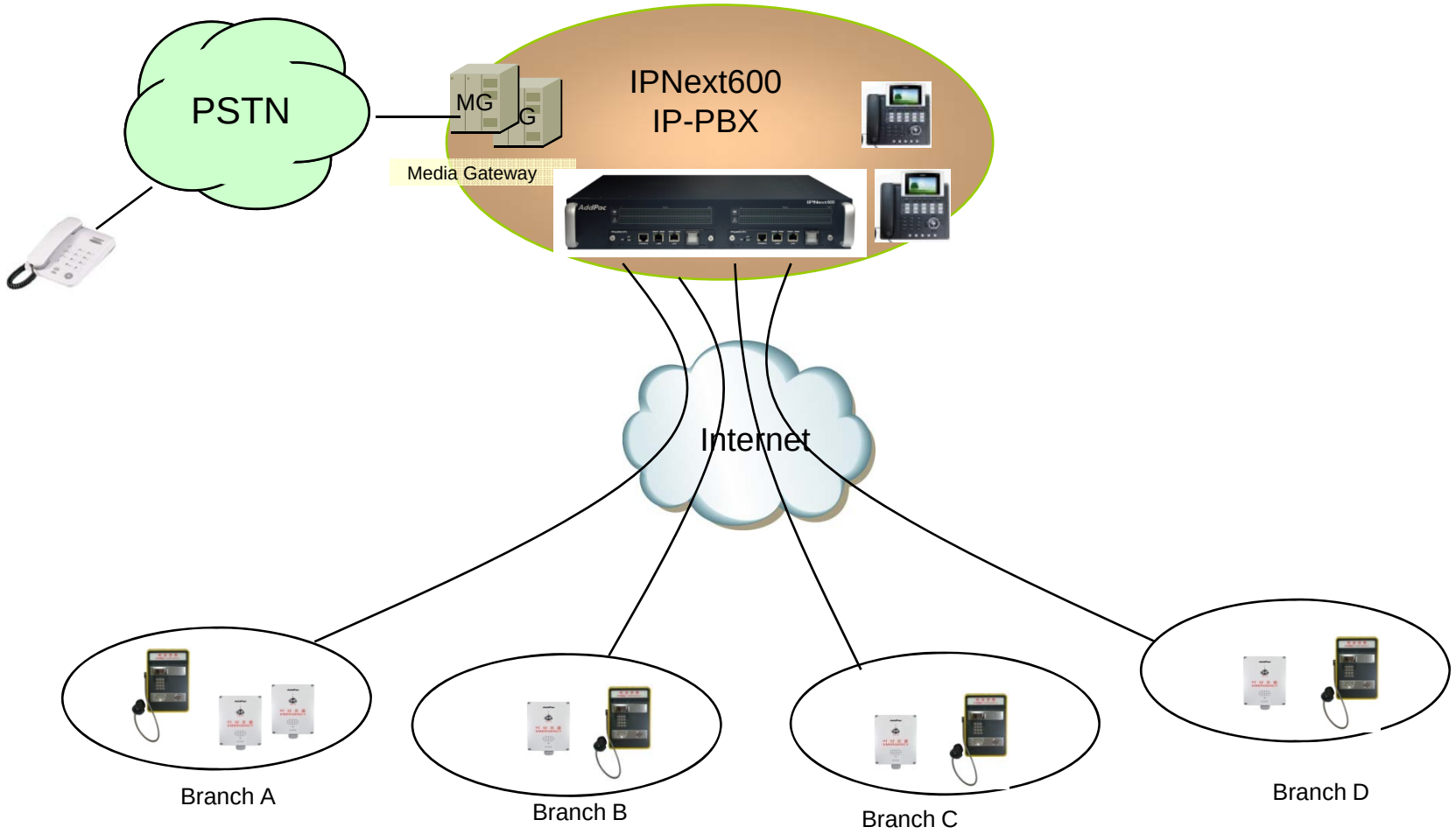
AP-EIP60 Emergency IP Phone

Back Side



IPNext600 IP-PBX Solution for Call Center

Network Diagram



Product Overview

IPNext 600 Next Generation IP-PBX System

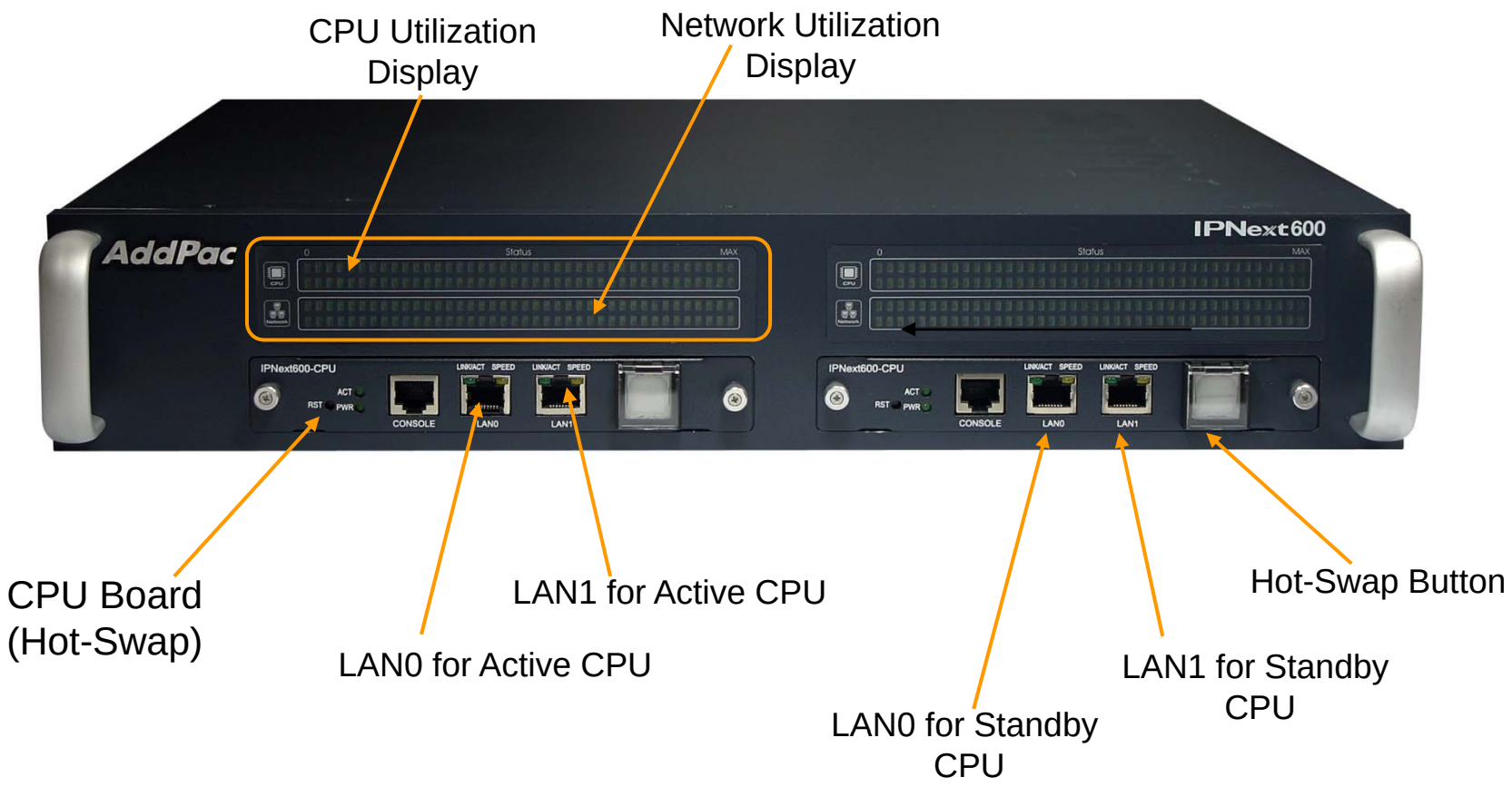
- SIP Application Server, Proxy, Registrar and Location Server
- Multiple ITSP Trunk with SIP & H.323 Accounts Support
- Dual System Redundancy Architecture
  - Two(2) Fast Ethernet Interface / System
- High Performance RISC Architecture
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- IPv4/IPv6 Dual Stack
- RTP Proxy Function Embedded for Private IP and IPv6 Address Interworking
- User Presence Service Features for Smart Multimedia Messenger and Smart IP Phone
- IVR Scenario Editor, Voice Mail, Media Service (Coloring), Conference
- Firmware Upgradeable Architecture
- Smart Multimedia Manager for IP-PBX Management
- Smart Messenger Service (click to dial) for Unified Communication
- Smart NMS for Large Scale Deployment
- Advanced Voice QoS Mechanism
- Dual Redundancy Power Module

Hardware Specification

IPNext 600 Next Generation IP-PBX System

RISC CPU

IPNext 600 Front Side



Hardware Specification

IPNext 600 Next Generation IP-PBX System

RISC CPU

IPNext 600 Back Side

Dual Power Supply Modules (Hot-Swap)

PSU Module A

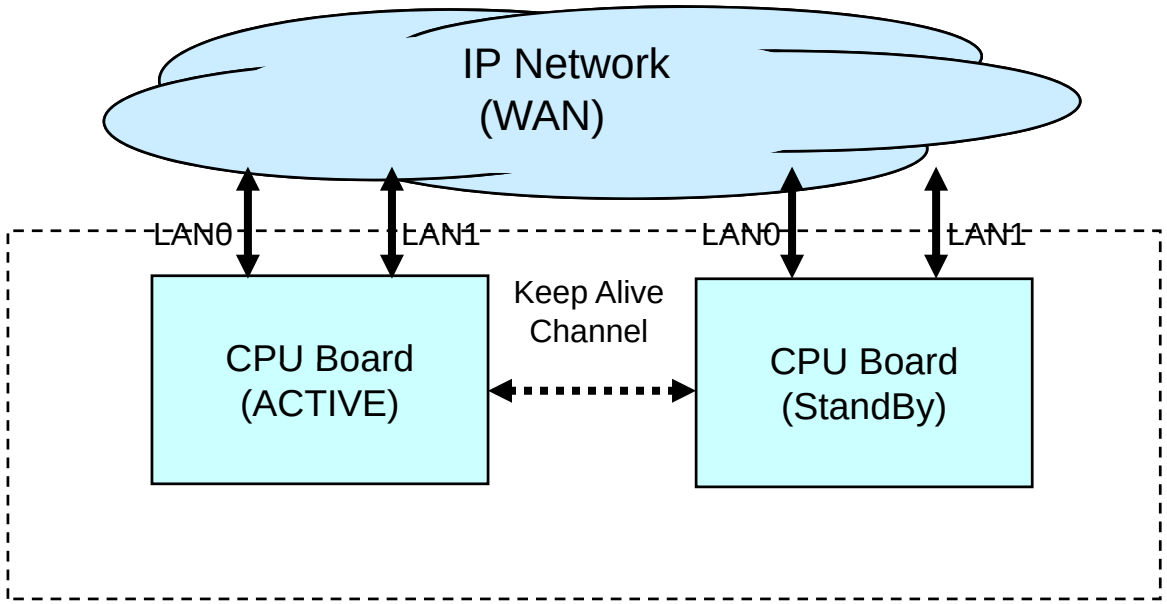
PSU Module B

Power On/Off Switch for System

System Redundancy Features

IPNext 600 Next Generation IP-PBX System

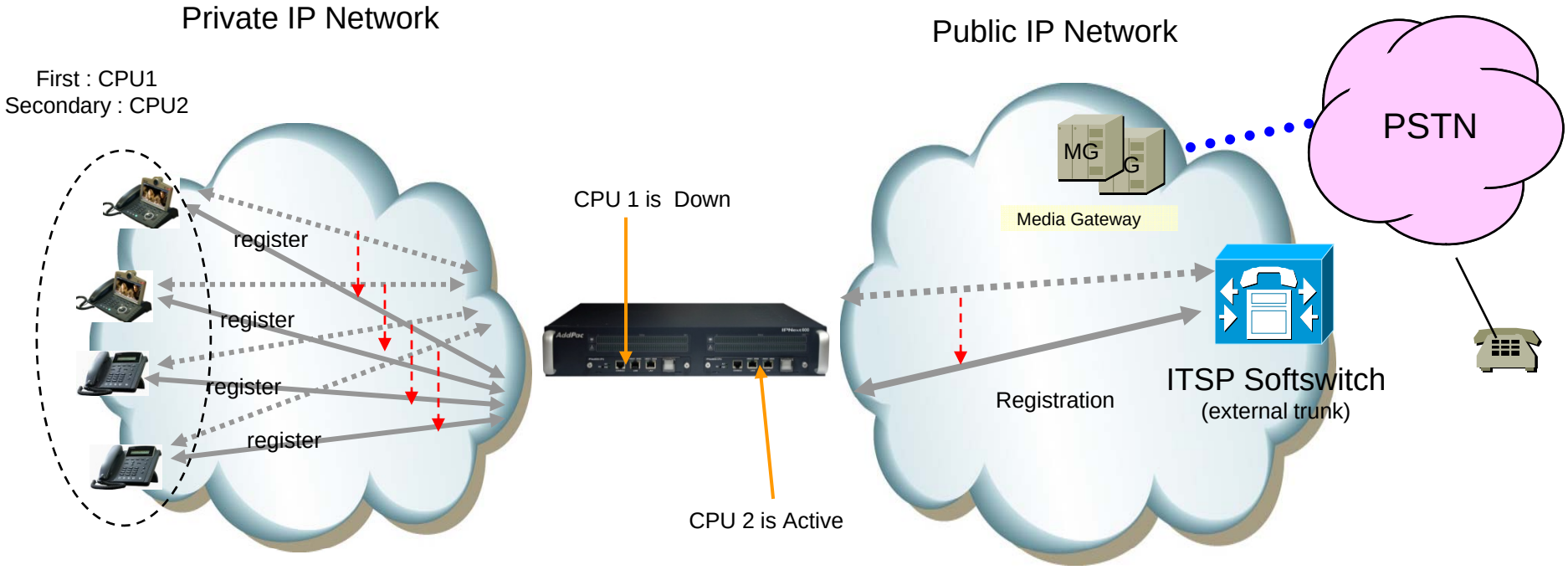
IPNext600 System Block Diagram



System Redundancy Features

IPNext 600 Next Generation IP-PBX System

- Active– Active Duplication Scheme
- Active – Standby Duplication Scheme
- VRRP based Duplication Scheme



Active – Standby Duplication Scheme (example)

IP Phone Solution for Call Center

IP Phone Comparison Table

Model / Spec.	AP-IP300	AP-IP230
LCD Size	4.3 Inch Color LCD	5 Inch Color LCD
Touch Screen	N/A	Support
Speed-Dial Keys	25 Key with Presence LED	Touch Screen based 25 Keys
Voice Codec	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723
Signaling	H.323/SIP	H.323/SIP
3-Party Conversation	Support	Support
LAN Port	2	2
PoE(Option)	Support	Support
FXO(Option)	Support	Support

IP Voice Recording Solution

Contents

- IP Voice Recording Servers
- Network Diagram for Voice Recording
- SIP Voice Call Flow Diagram
- Smart Digital Voice Recording Management Program

IP Voice Recording Server
AP-NR5000

Product Overview

AP-NR5000 IP Voice Recording Server

- IP based Voice Recording Server
- Linux Operating System
- Powerful Management and User Friendly Features
- High-performance Voice/Video Recoding Service
- External IP Phone (AP-IP300, AP-IP230, etc) Interworking Support
- Firmware Upgradeable Architecture
- One(1) 10/100/1000Mbps Gigabit Ethernet Interface
- Up to Five(5) 3.5Inch SATA Hard Disk Interface Support
- USB Interface Support

Hardware Specification

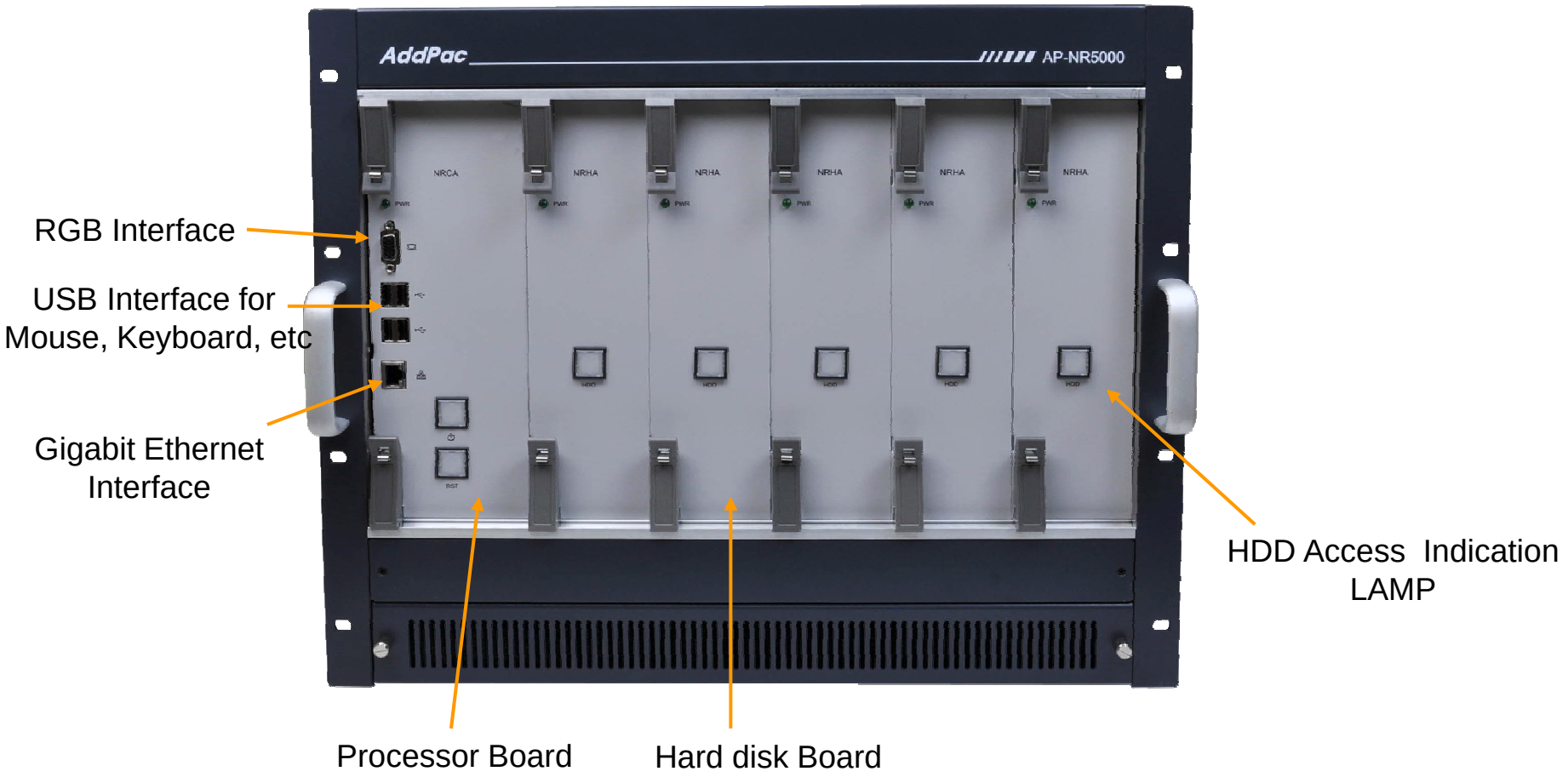
AP-N5000 IP Voice Recording Server

- High Performance Computing Power
- Main Processor Board
  - Network Interface
    - One(1) 10/100/1000Mbps Gigabit Ethernet
  - Video Output Interface
    - RGB Video Output
  - USB 2.0 Interfaces for Mouse, Keyboard, etc
- Hard Disk Board
  - Module Type Design
  - Up Five(5) Hard Disk Slots
  - 10~20 Tera HDD Capacity
- Power Supply
  - Dual Power Supply for Power Redundancy
  - Module Type Power Supply

Hardware Specification

AP-NR5000 IP Voice Recording Server

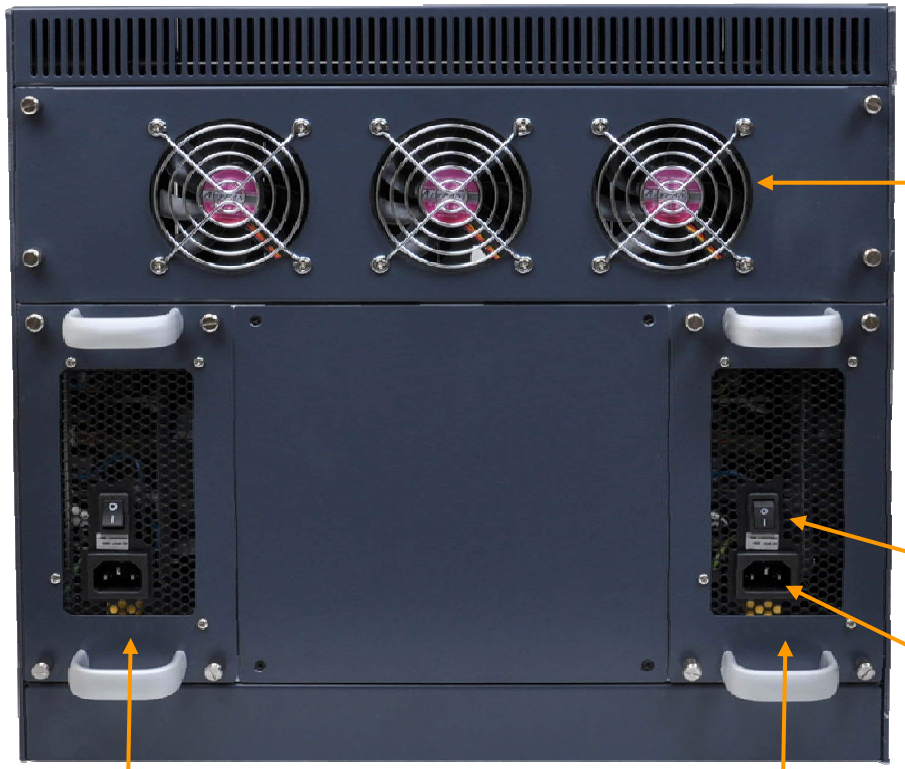
AP-NR5000 Front Side



Hardware Specification

AP-NR5000 IP Voice Recording Server

AP-NR5000 Back Side



IP Voice Recording Server
AP-NR1500

Product Overview

AP-NR1500 IP Voice Recording Server

- IP based Network Voice Call Recording Server
- Linux Operating System
- Powerful Management and User Friendly Features
- High-performance Voice Recording Service
- External AddPac IP Terminal (Ex: IP Phone, IP Intercom, IP Emergency Phone) Interworking Support
- Firmware Upgradeable Architecture
- One(1) 10/100/1000Mbps Gigabit Ethernet Interface
- Up to Two(2) 3.5Inch SATA Hard Disk Interface Support
- Two(2) USB Interface Support
- One(1) RS232C Console Interface

Hardware Specification

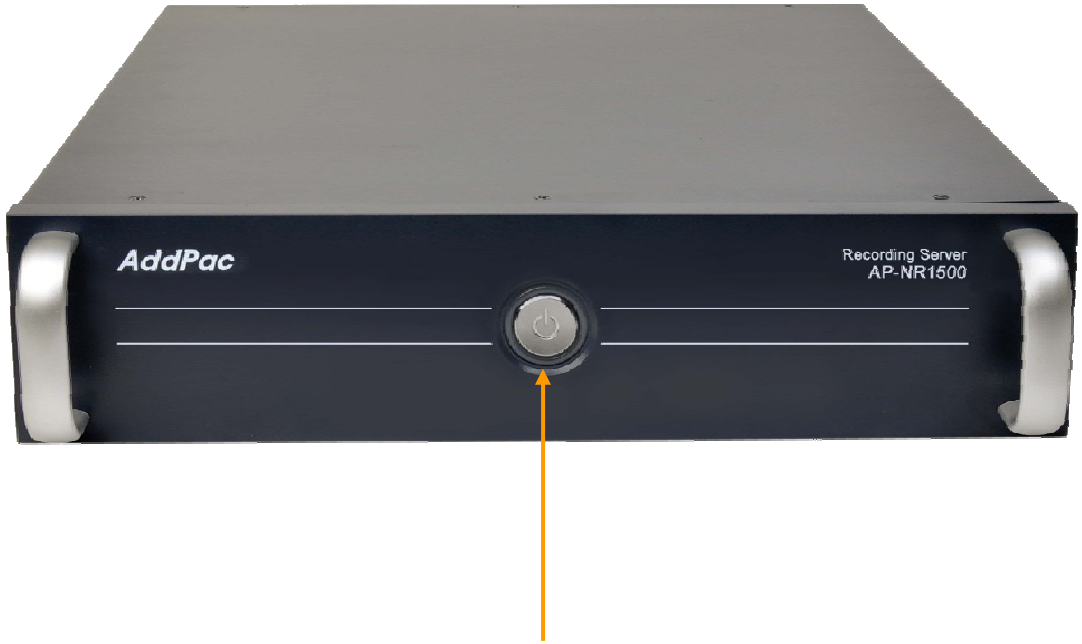
AP-N1500 IP Voice Recording Server

- High Performance Computing Power
- Network Interface
  - One(1) 10/100/1000Mbps Gigabit Ethernet Port
- Two(2) USB 2.0 Interfaces for Mouse, Secondary Storage, etc
- One(1) RS232C Console Interface (RJ45)
- Up Two(2) SATA type Hard Disk (4~8 Tera HDD Capacity)
- Power On/Off Soft Switch with LED Indication Lamp (Front Side)

Hardware Specification

AP-NR1500 IP Voice Recording Server

AP-NR1500 Front Side



Power On/Off Switch with LED Indication LAMP

Hardware Specification

AP-NR1500 IP Voice Recording Server

AP-NR1500 Back Side

Power ON/OFF Hard Switch

Power Input

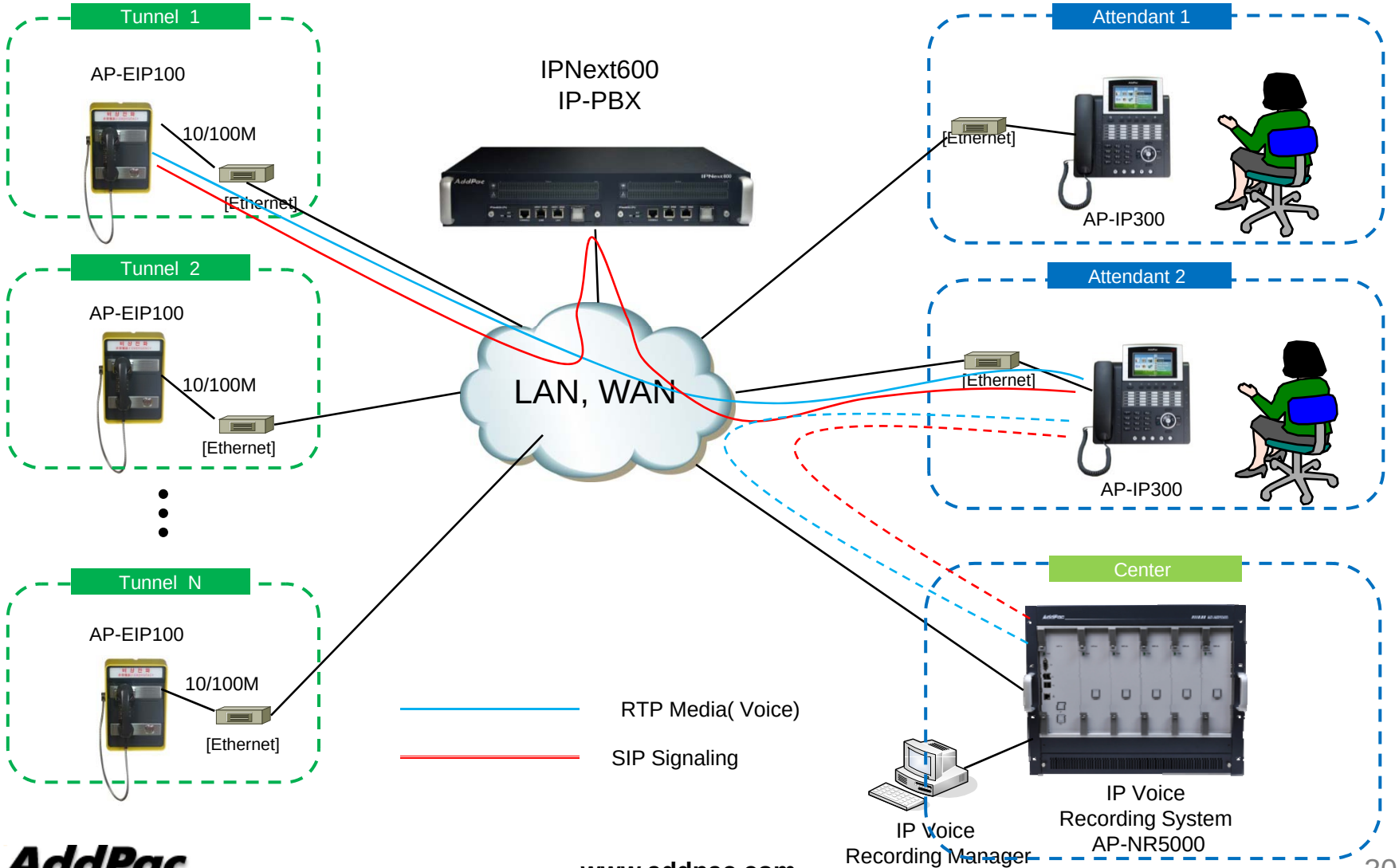
Gigabit Ethernet Interface

RS232C Console Interface

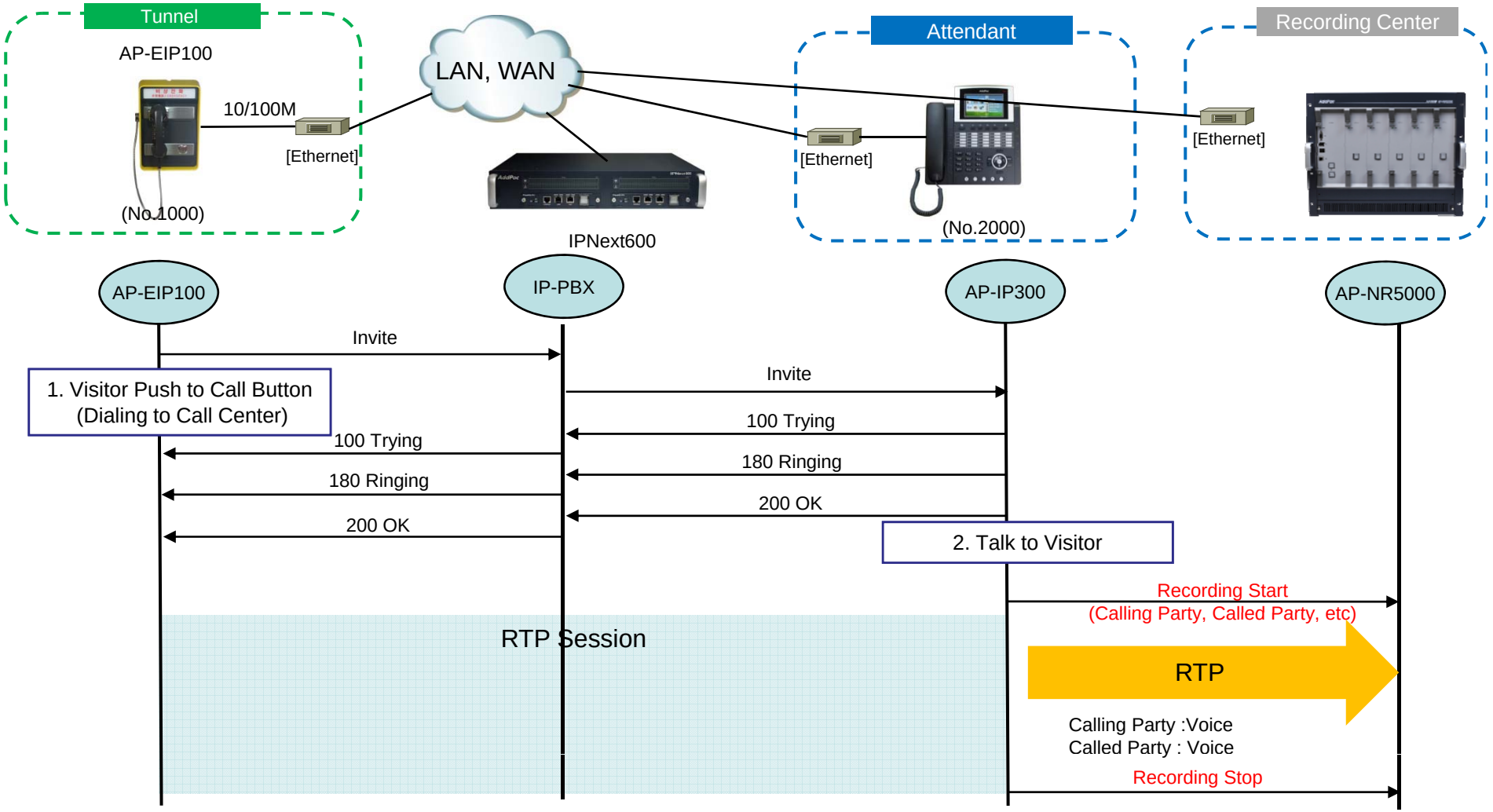
USB Interface for Mouse, Storage, etc

Cooling FAN

Network Diagram for IP Phone Recording

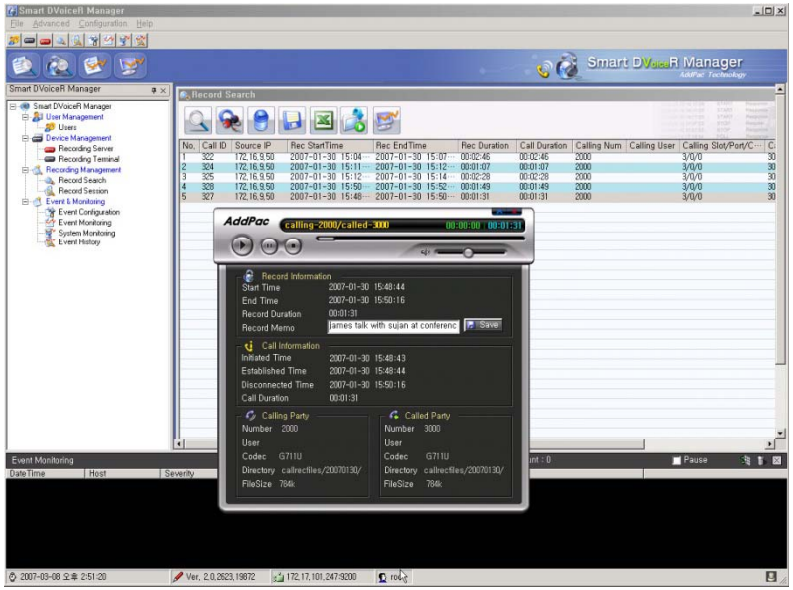


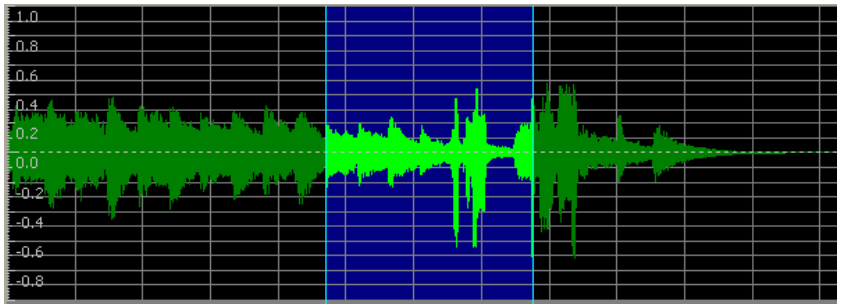
SIP VoIP Call Flow



Smart DVoiceR Manager

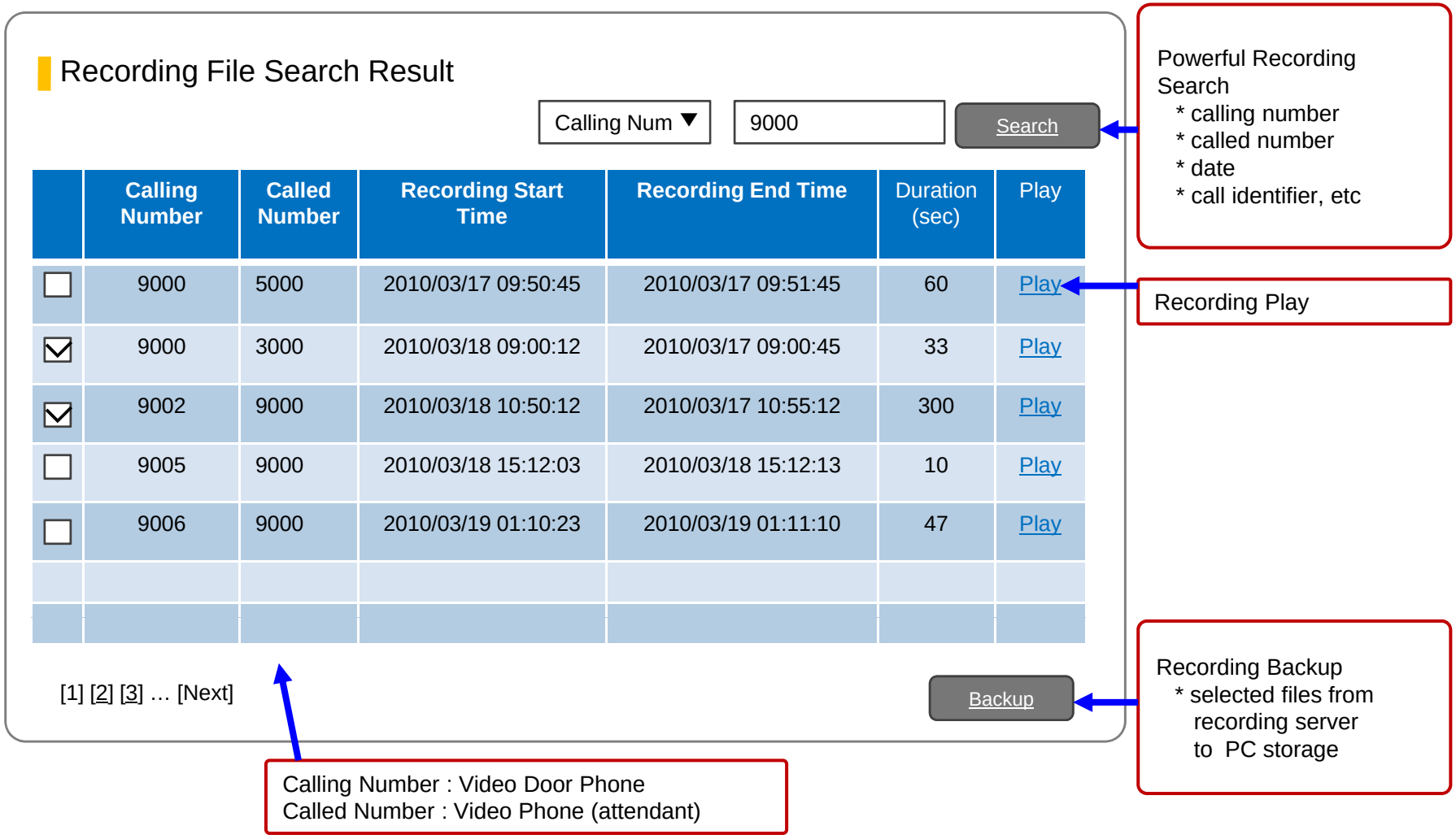
Smart DVideo door phoneR Management Program



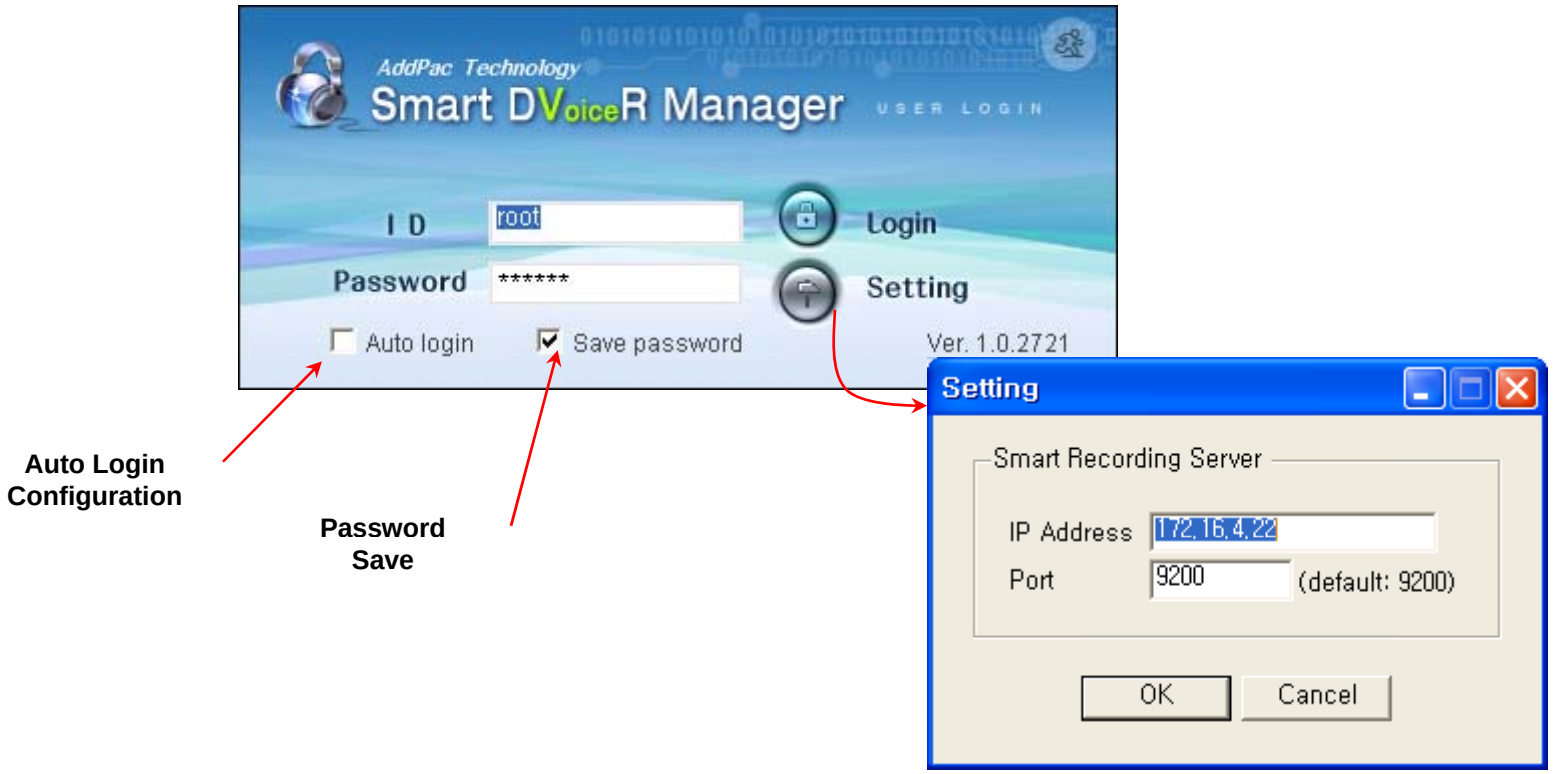


- Call History Management (search/modify/delete/save)
- Media Play Management (Play/Stop/Seek/Pause)
- Live Call List Management, Live Call Monitoring
- Local Backup (File Manager Support, PC HDD, DVD) and Local Play
- User Management (registration/modify/delete/search)
- Server Status (CPU/Memory/HDD) & Event Monitoring
- Recording Source Management (Video Phone, etc)
- Live Recording Board

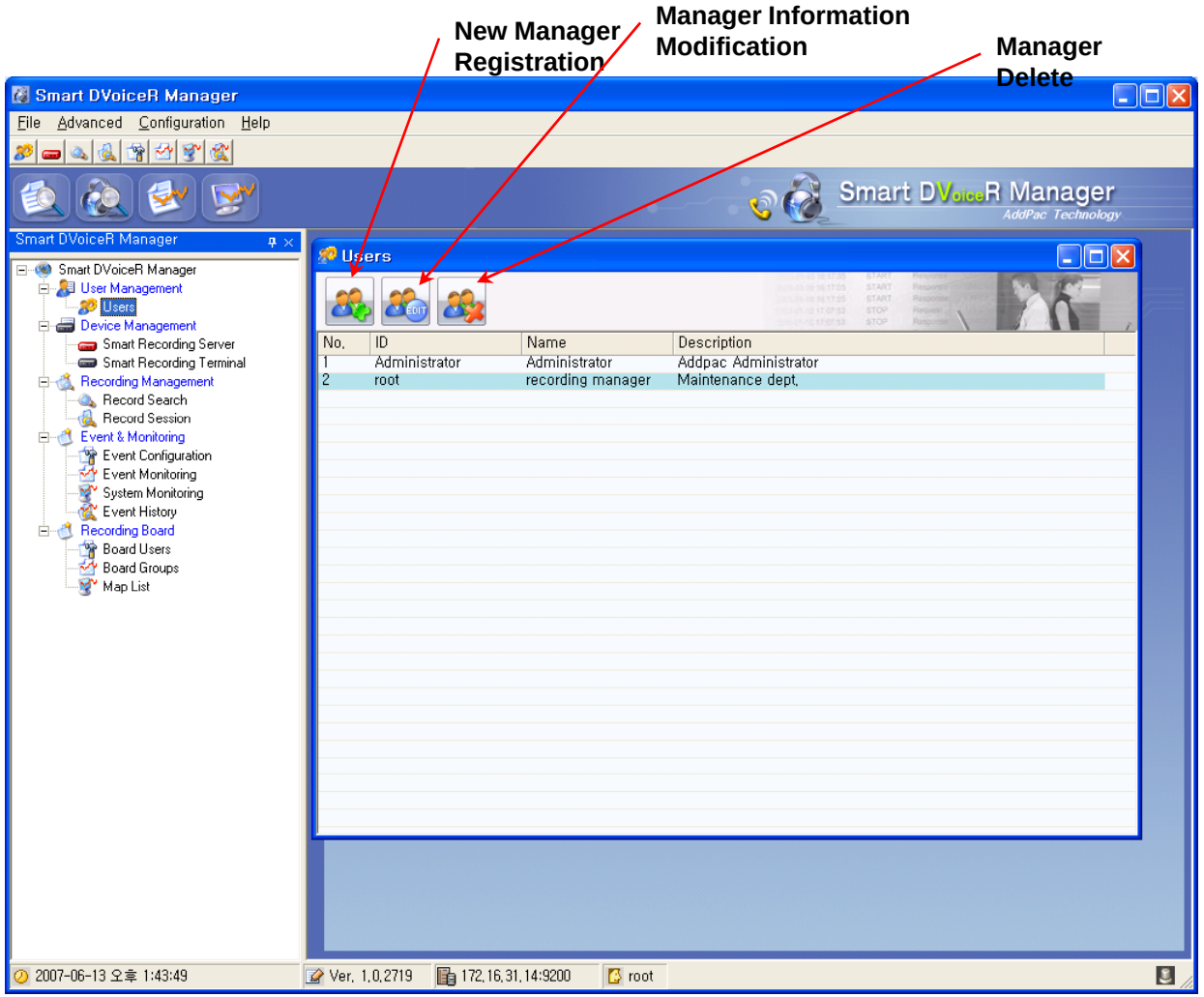
UI example (recording file search..)



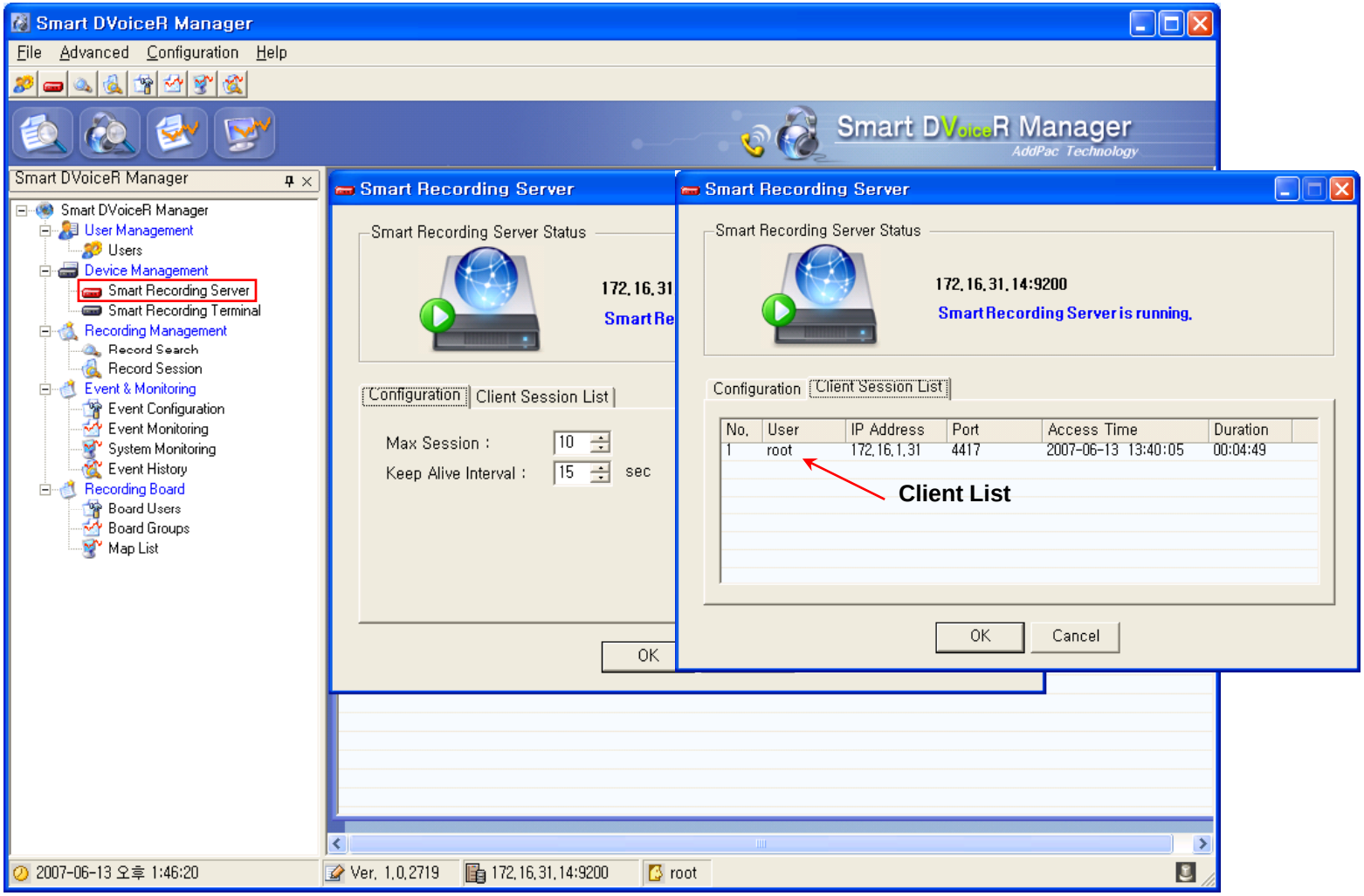
Login


AddPac Technology
Smart DVoiceR Manager
USER LOGIN
I D
root
Password
******
Auto login
Save password
Login
Setting
Ver. 1.0.2721
Setting
Smart Recording Server
IP Address
172.16.4.22
Port
9200
(default: 9200)
OK
Cancel
Auto Login Configuration
Password Save

User Management

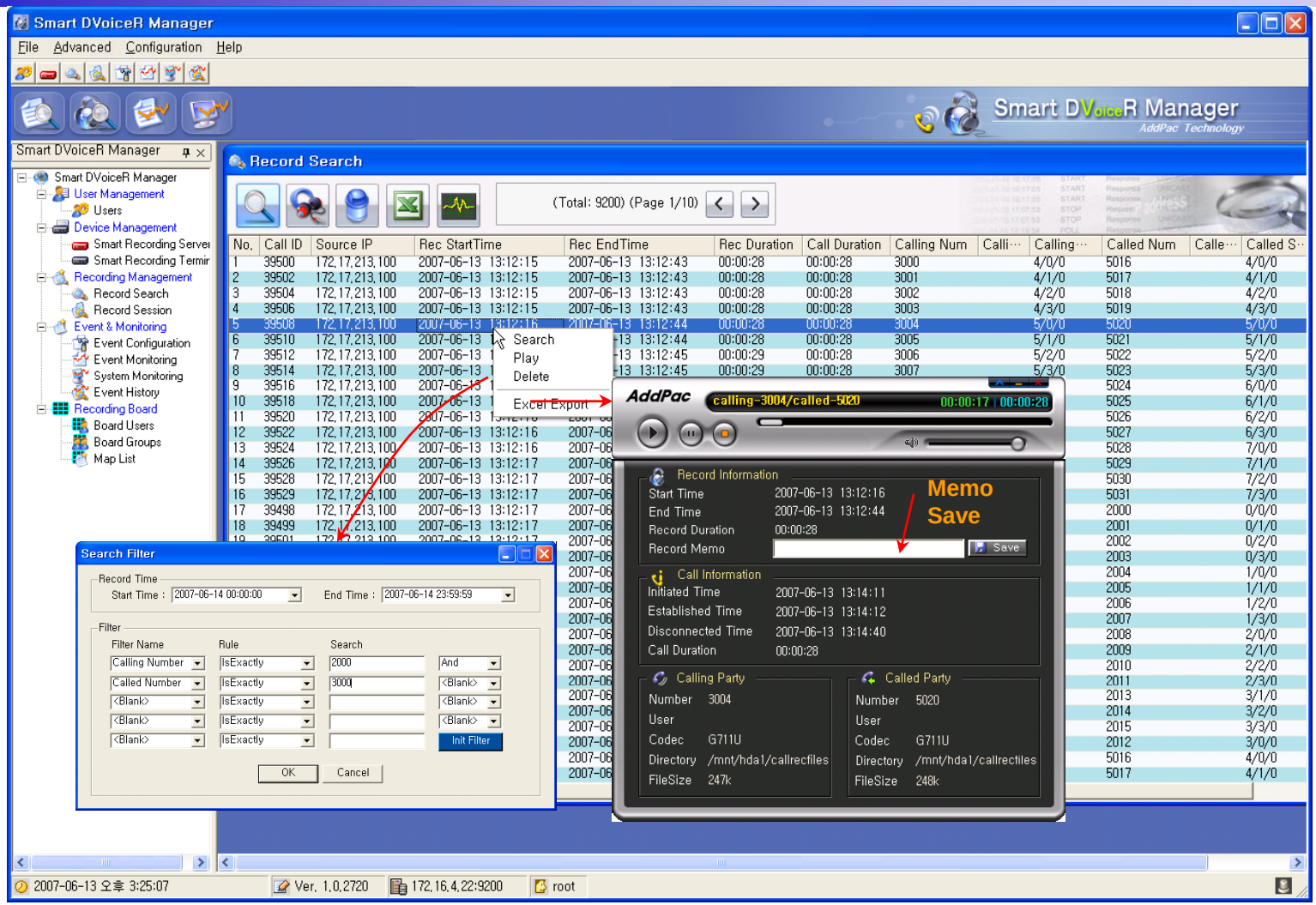


Recording Server Status Monitoring

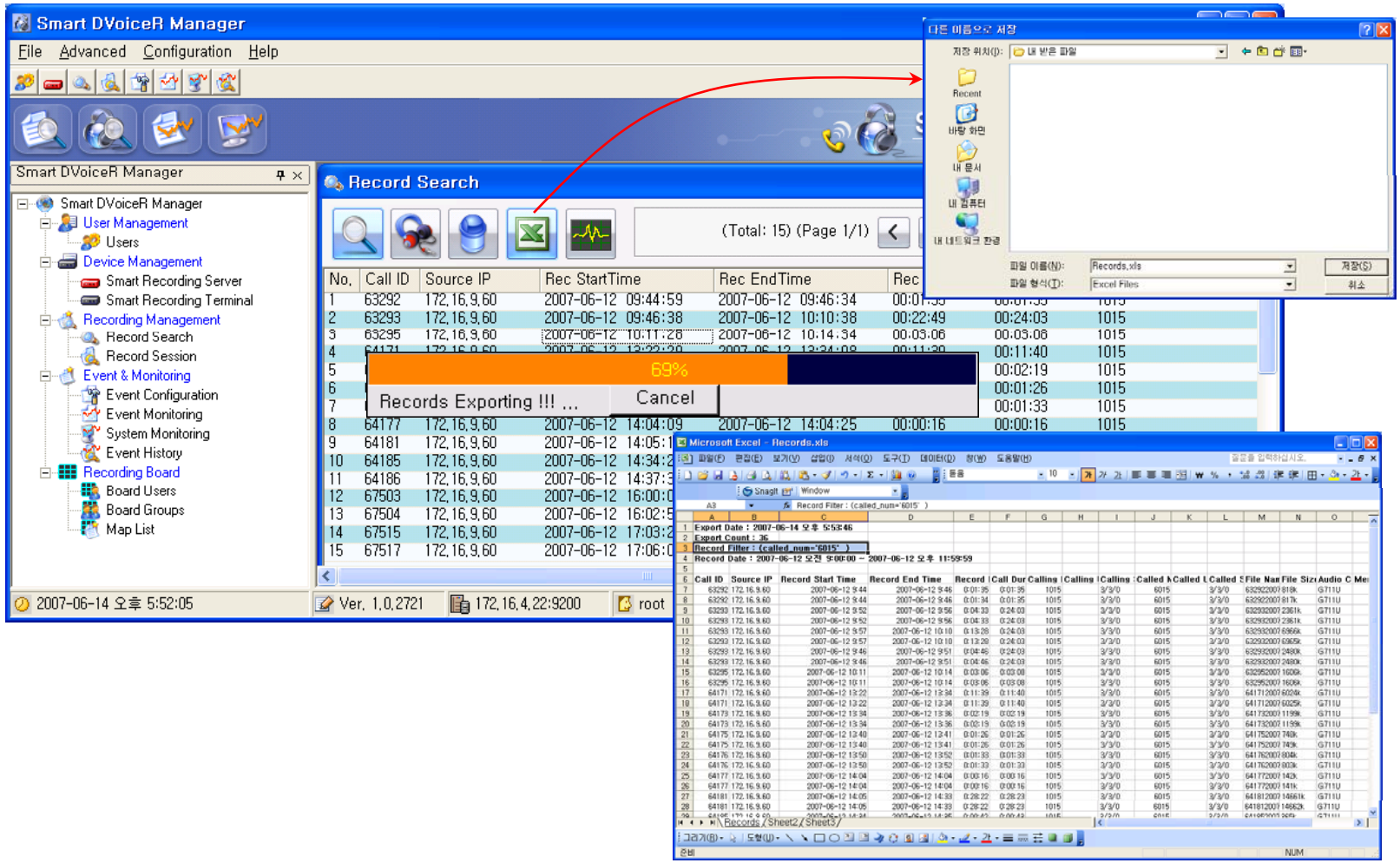


Recording File Management

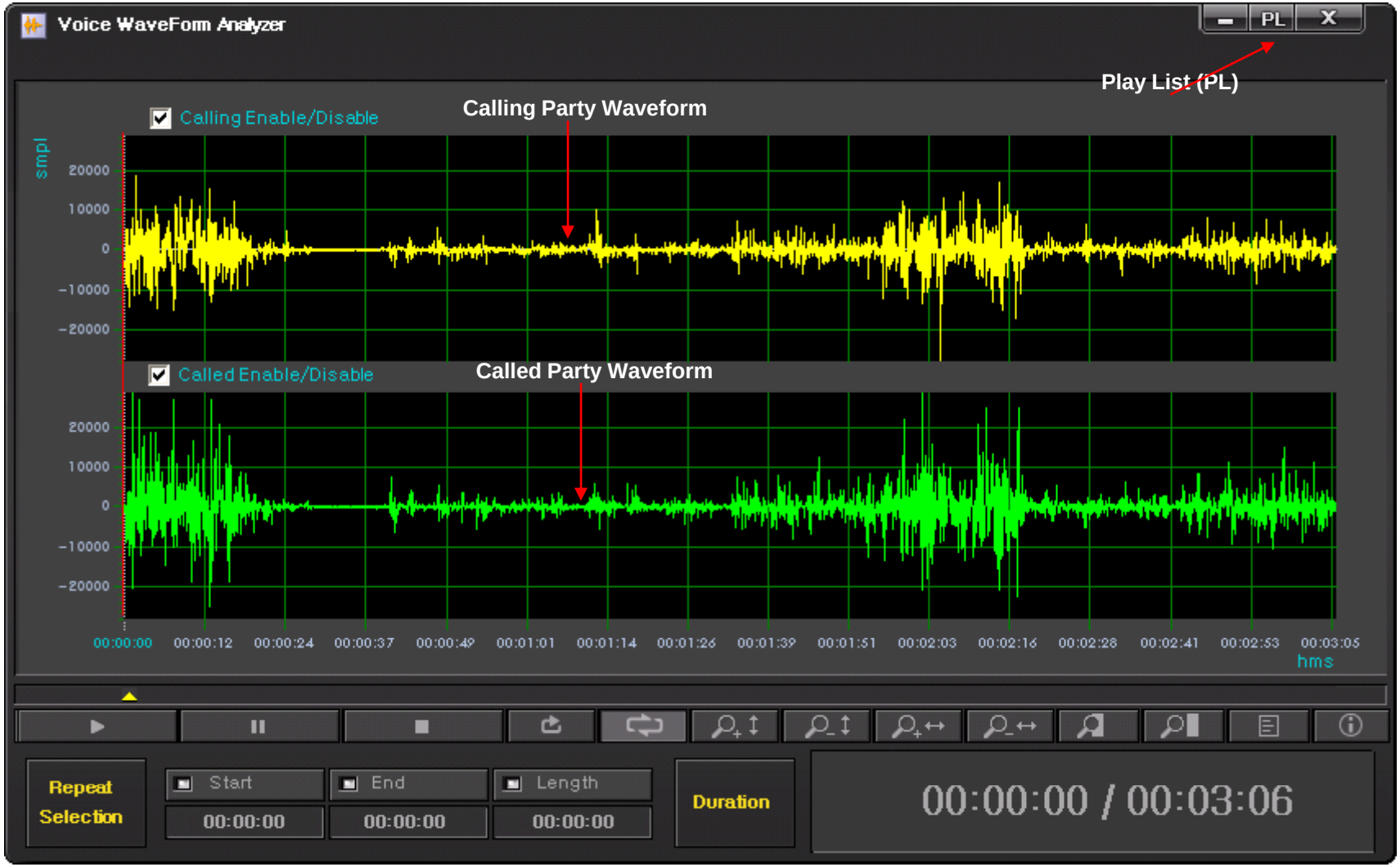
(Recorded File Monitoring (play/seek/pause/resume/stop))



Recording File List Save
(Excel File Format)



Recording File Waveform Analyzer

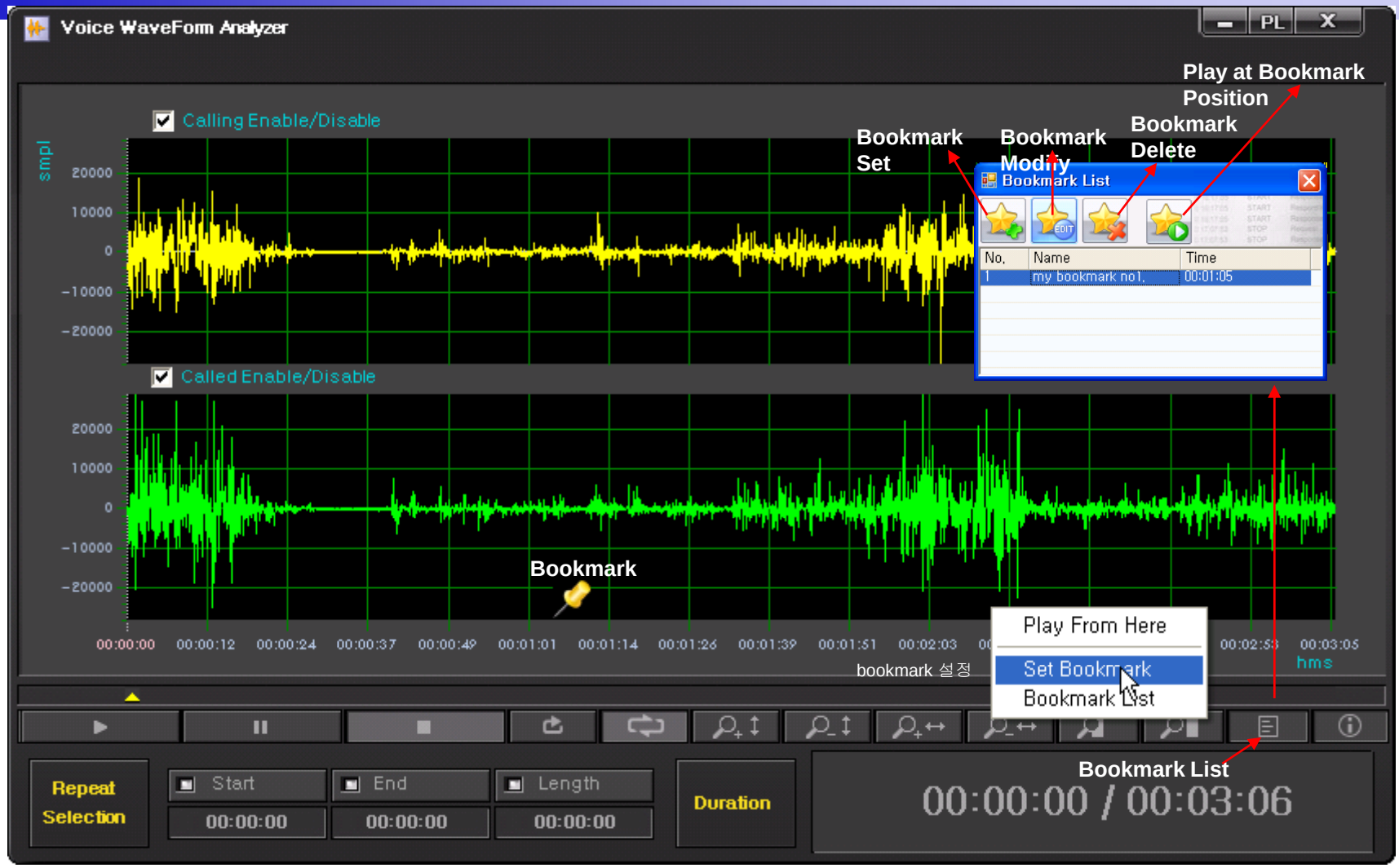


Recording File Waveform Analyzer

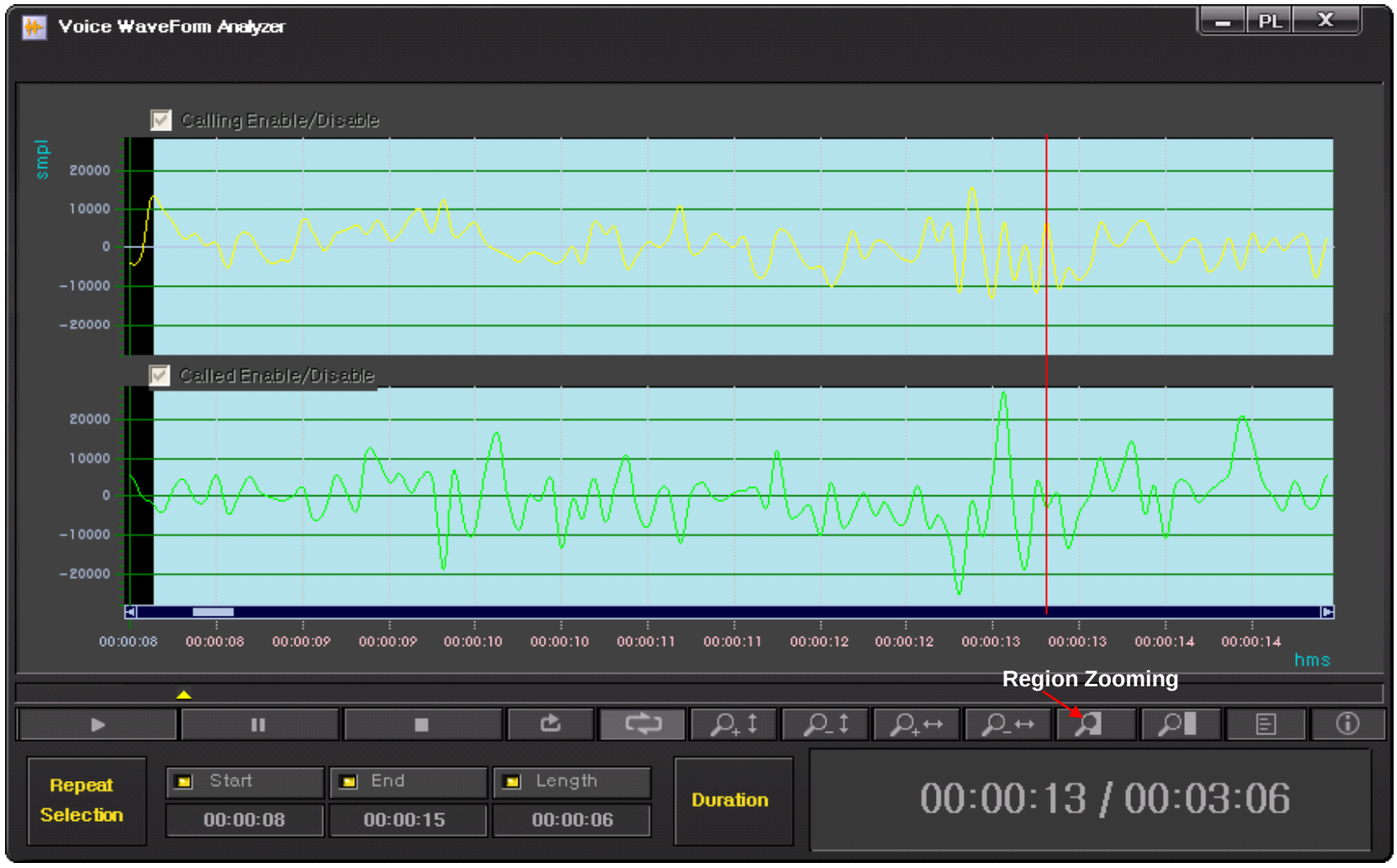
(Repeated Play)

Recording File Waveform Analyzer

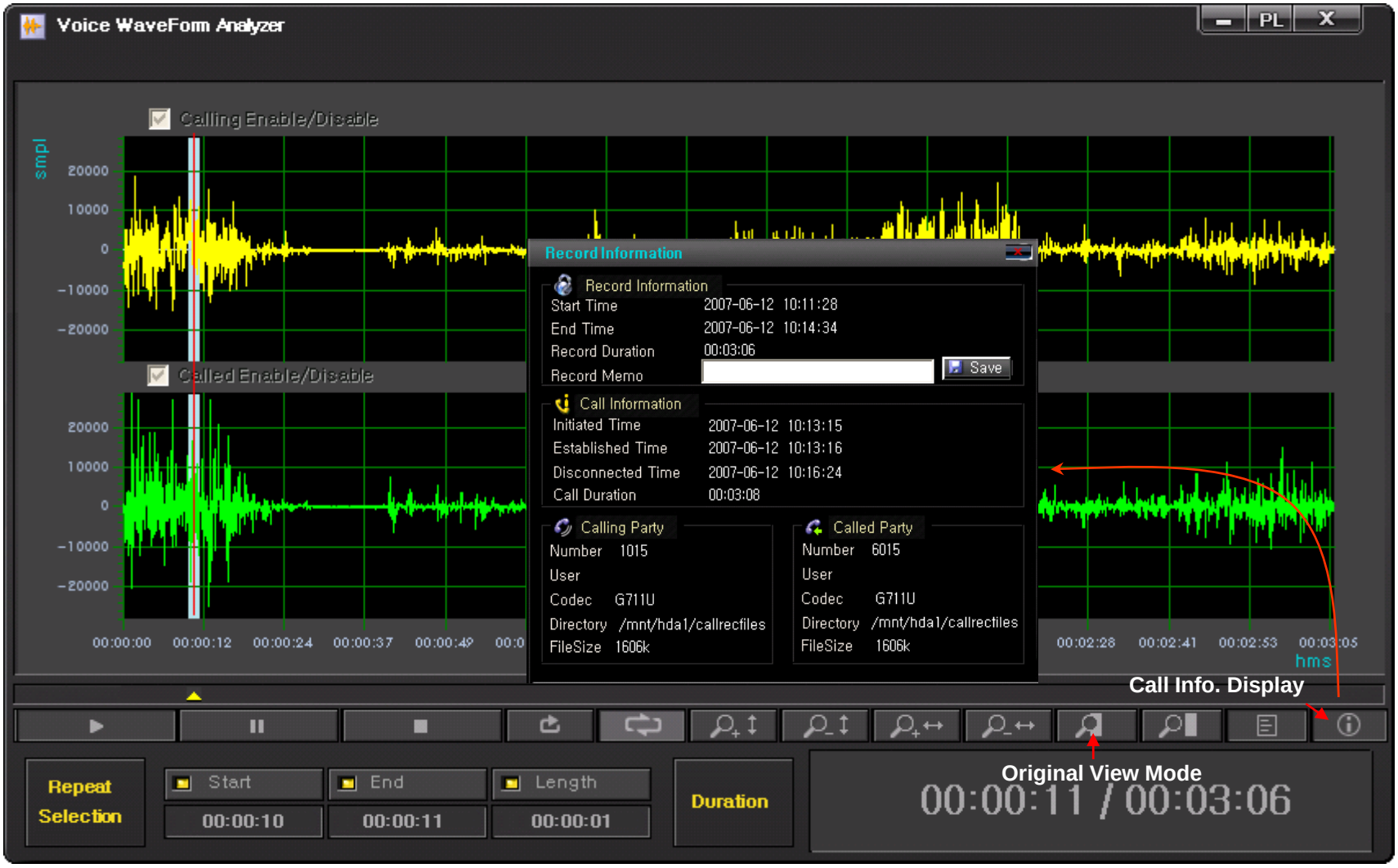
(Bookmark Play)



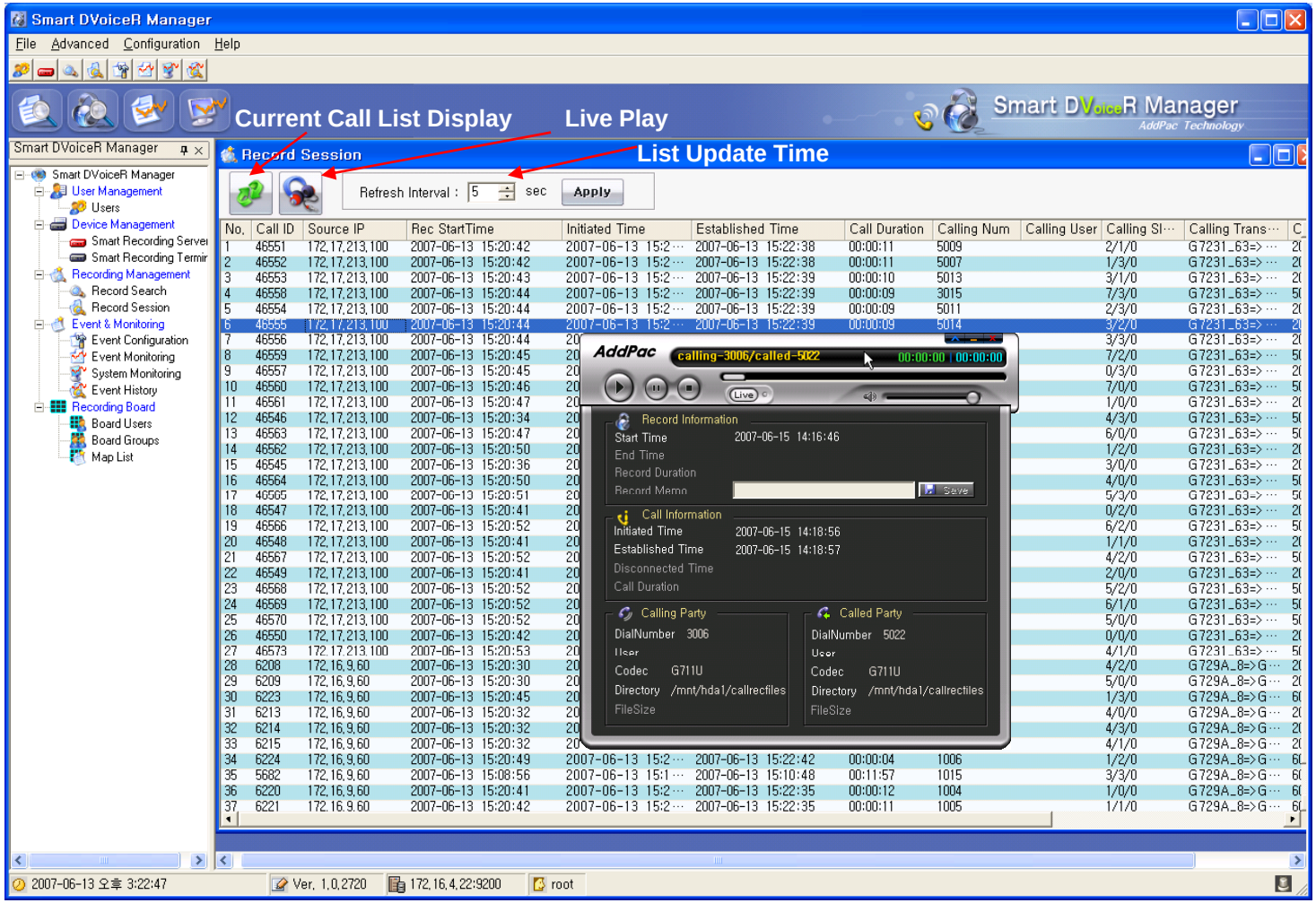
Recording File Waveform Analyzer
(Region Zooming)



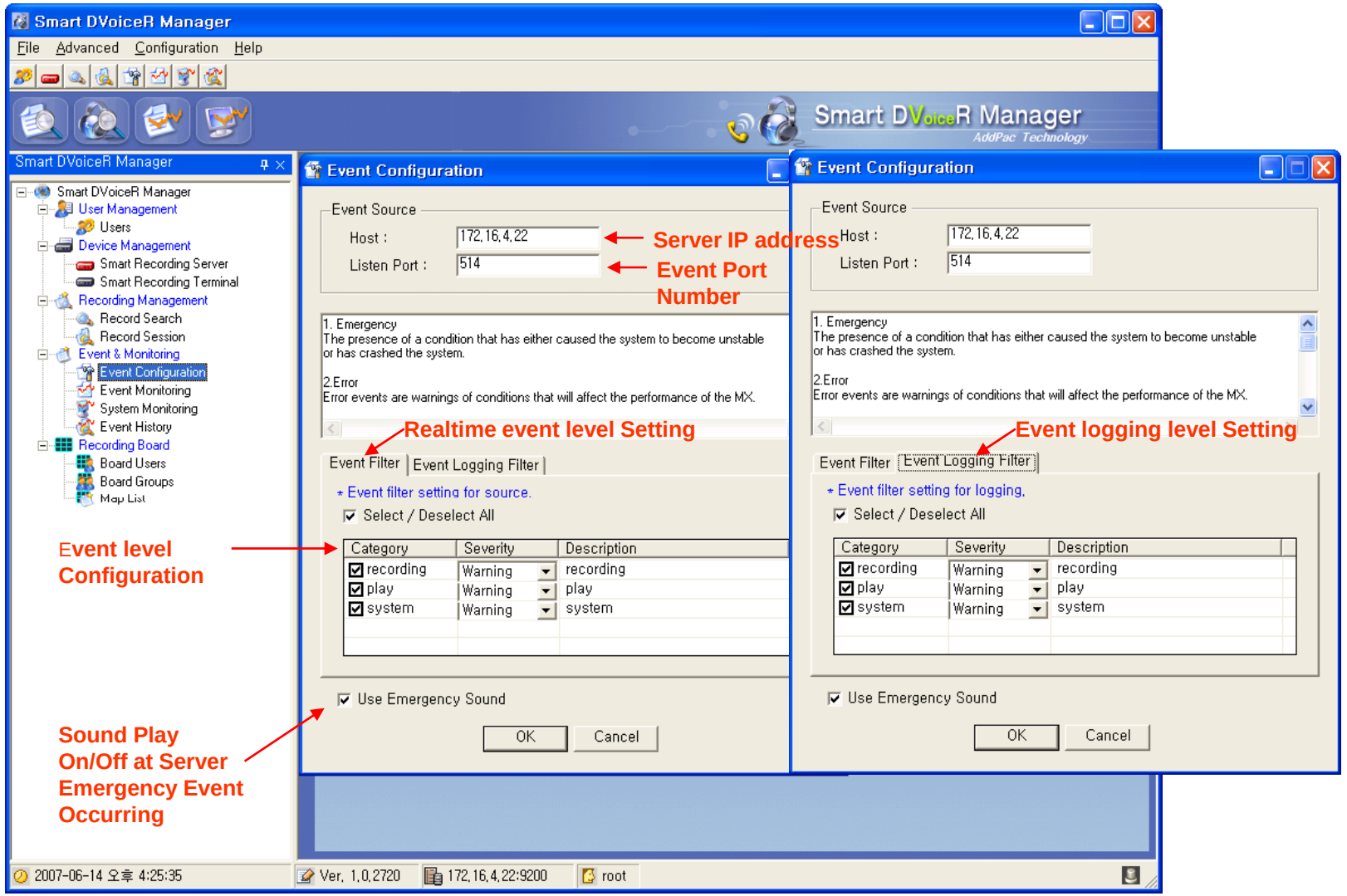
Recording File Waveform Analyzer
(Call Info. Display)



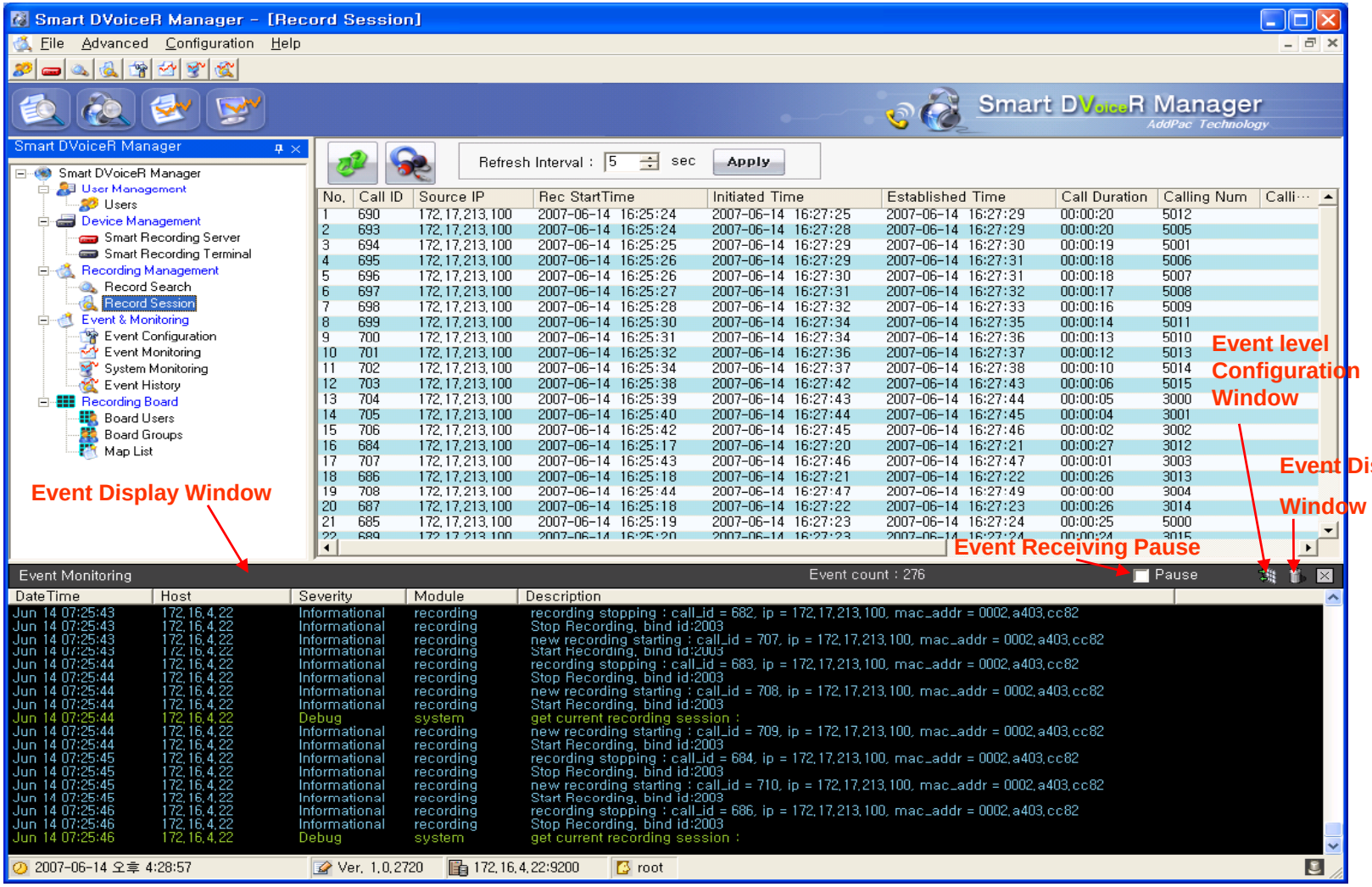
Live Call Recording List and Monitoring



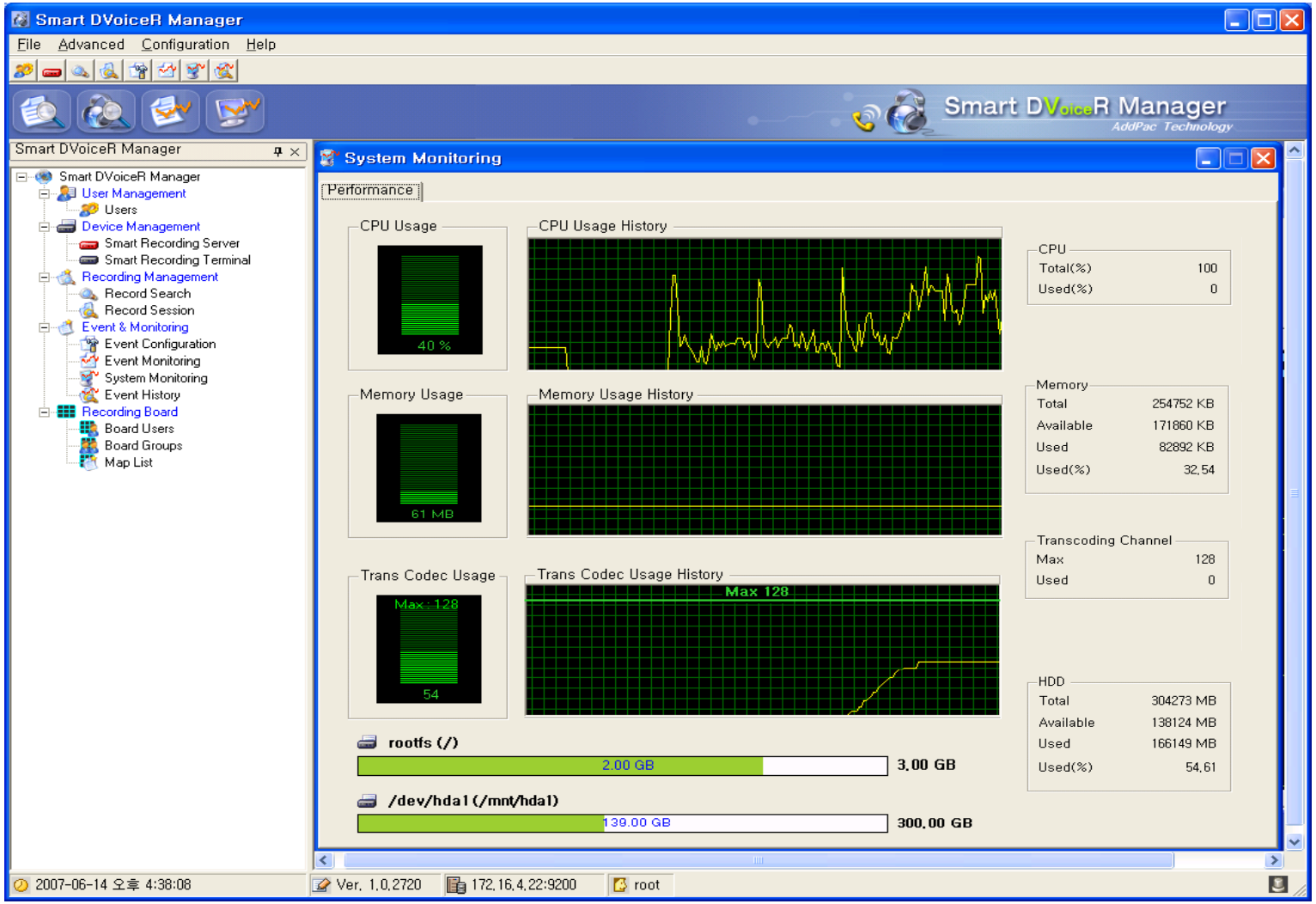
Event Management
(Configuration)



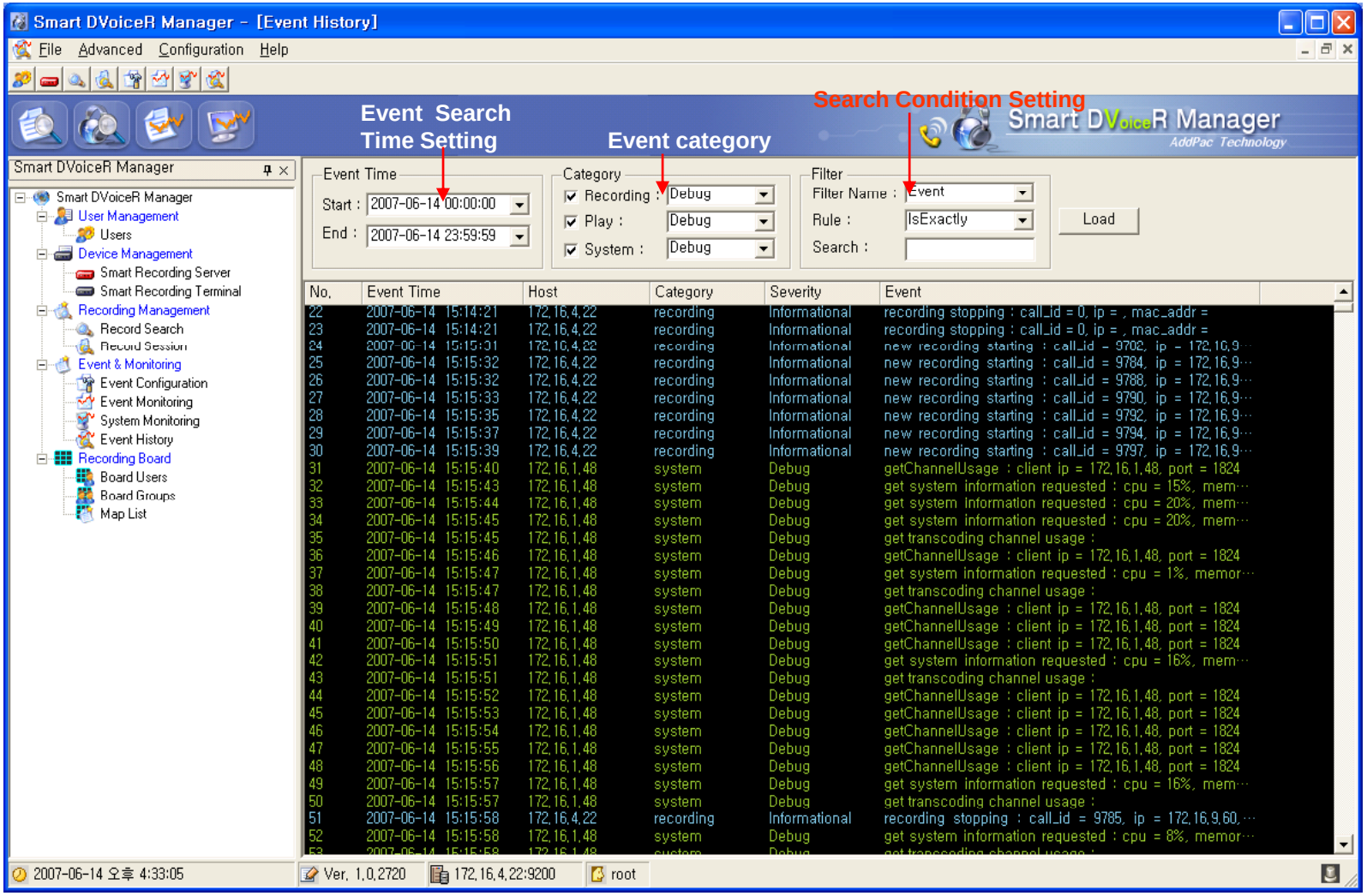
Event Management
(Monitoring)



Event Management
(System Monitoring)



Event Management
(Event History)



Thank you!

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