AP-SBS20000
Smart HD Broadcasting Server



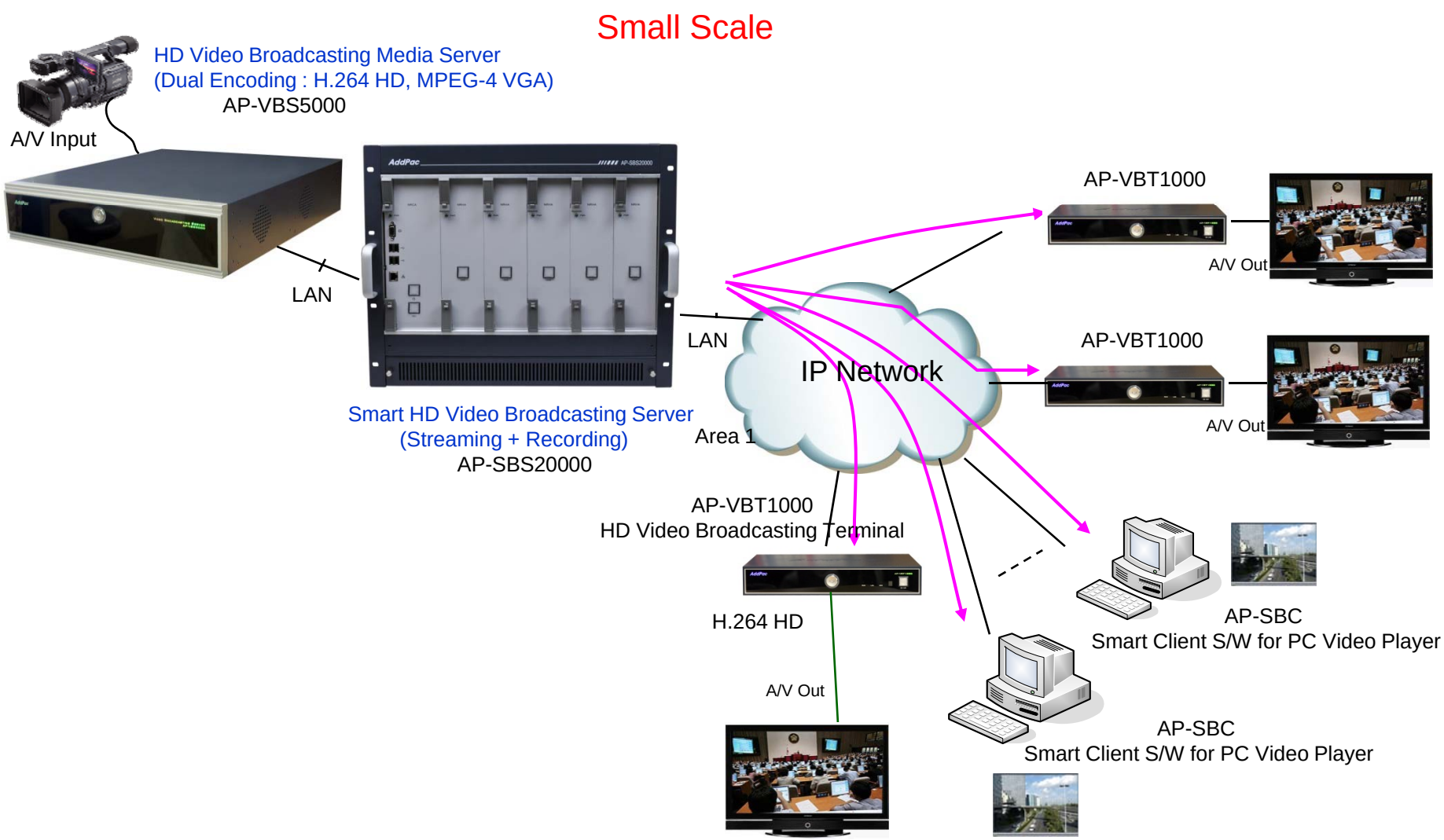
AddPac Technology

2014, Sales and Marketing

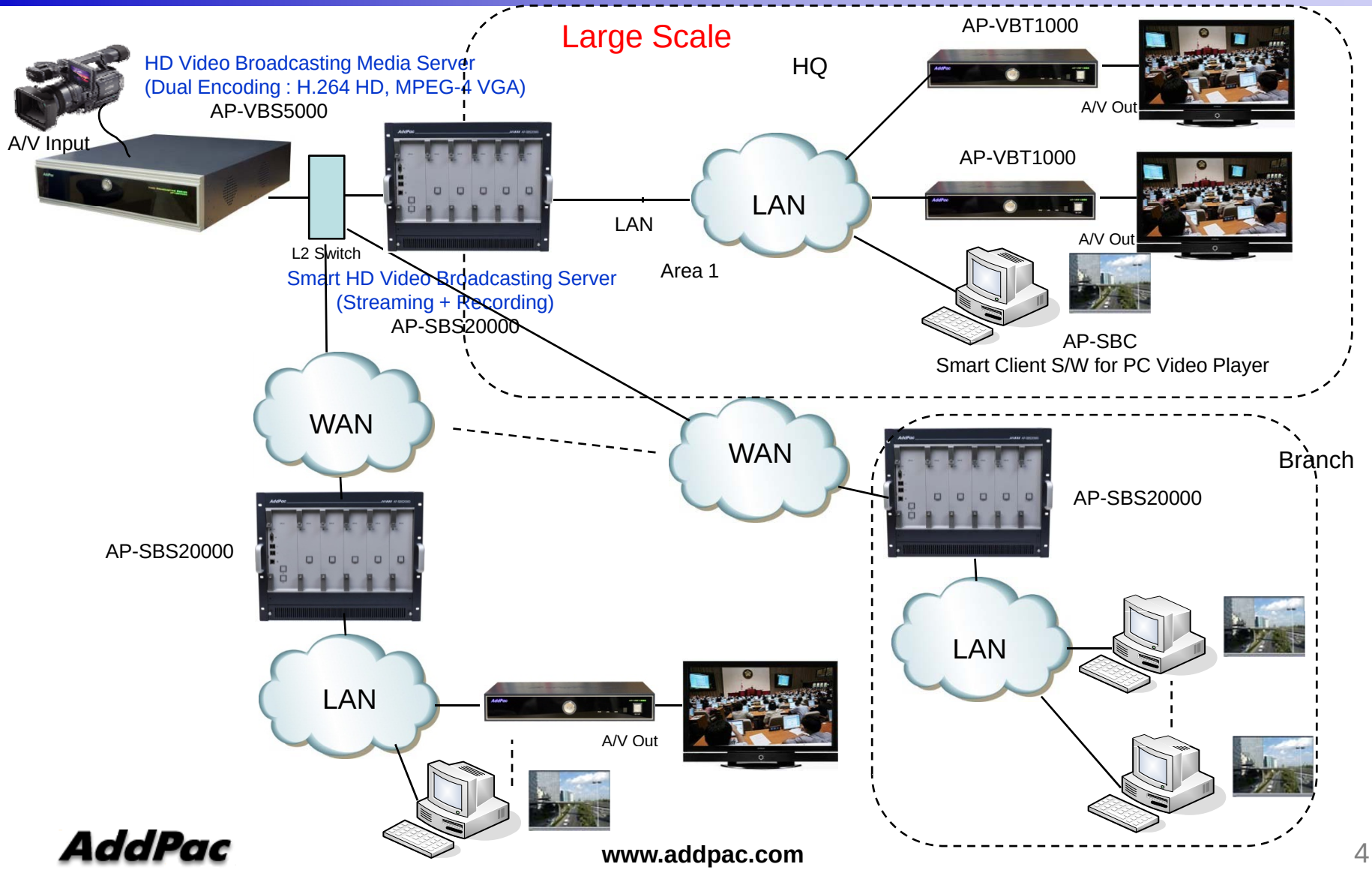
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- Smart HD Broadcasting Server Protocol Block Diagram
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  - HD Video Broadcasting Media Servers (AP-VBS5000, AP-VBS6000, AP-VBS7000)
  - HD Video Broadcasting Terminal (AP-VBT1000)
  - Smart Client Software for PC Video Player (AP-SBV)

Smart HD Video Broadcasting Service Diagram



Smart HD Video Broadcasting Service Diagram



HD Broadcasting Server Protocol Block Diagram

HD Broadcasting Media Encoder

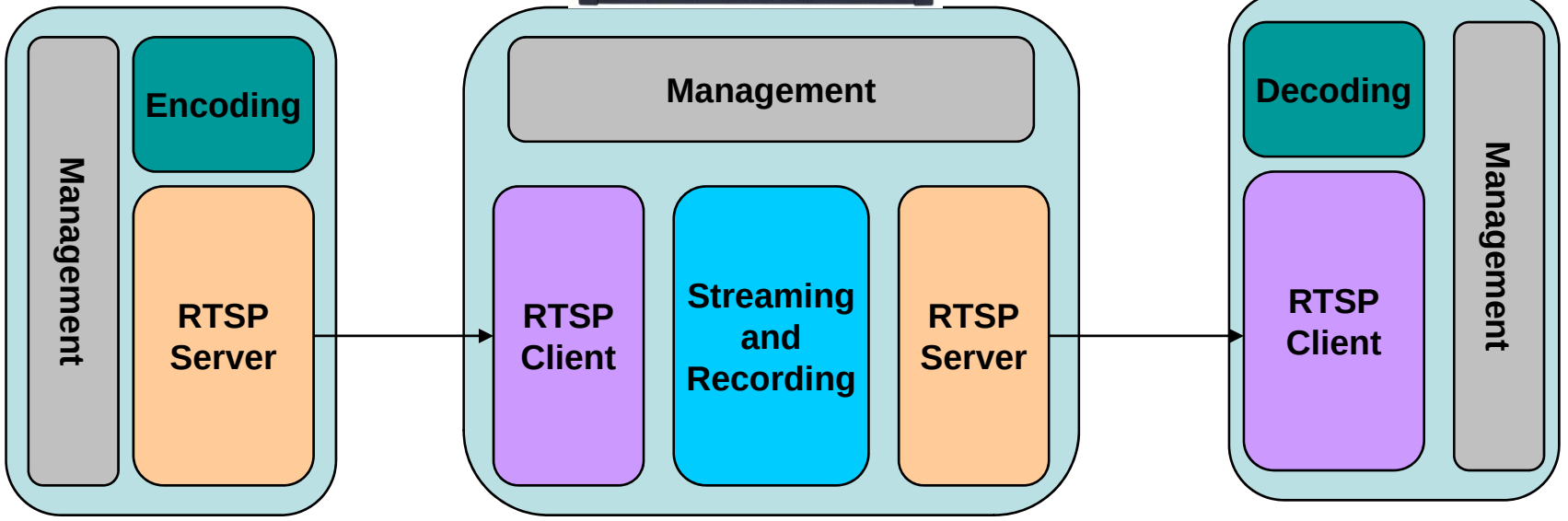
AP-SBS20000 Smart HD Broadcasting Server
(Streaming + Recording)

HD Video Broadcasting Terminal

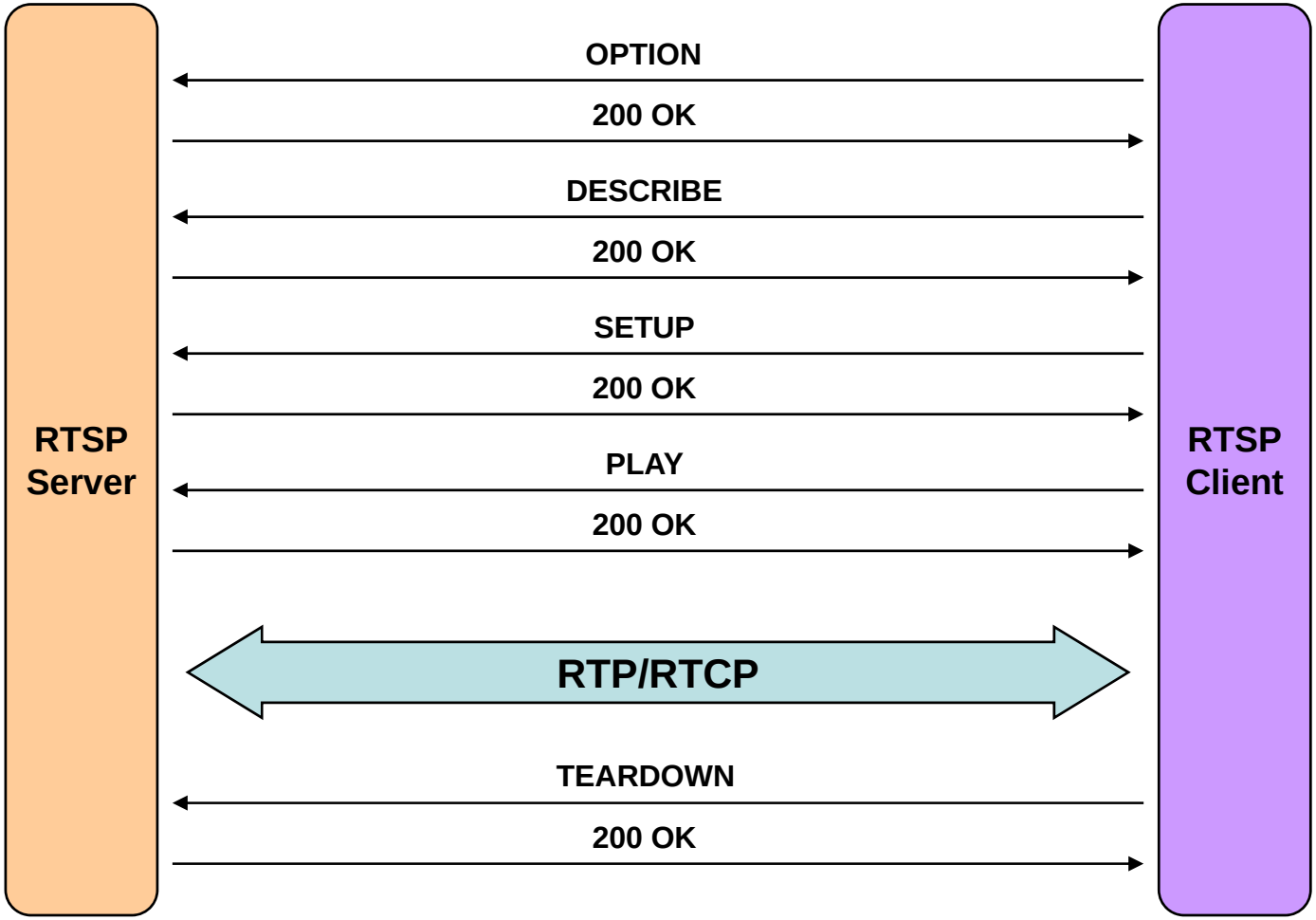








Basic RTSP Message Flow



Smart HD Broadcasting Solution Component Features

AP-SBS20000
Smart HD Broadcasting Server

Product Overview

AP-SBS20000 Smart HD Broadcasting Server

- High-Performance HD/D1 Video Broadcasting Service Features
- Linux Operating System
- H.264 Video Codec
- HD, D1 Video Resolution Support
- HD Video Recording and Streaming Service
- Live Broadcasting and On-Demand Service
- Smart Client Broadcasting Video Player Support (MS-Window S/W, Web based)
- Smart Client Broadcasting Manager Support (MS-Window S/W, Web based)
- Powerful Management and User Friendly Features
- High-performance Audio and Video Service
- Firmware Upgradeable Architecture
- Up to 5 x 3.5Inch Hard Disk (SATA Type, 2Tera Byte Support)
- One(1) 10/100/1000Mbps Gigabit Ethernet Interface
- USB Interface Support (Front Side, Back Side)
- Dual Power Supply, Module Type

Hardware Specification

AP-SBS20000 Smart HD Broadcasting Server

High End Processor

- 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-SBS20000 Smart HD Broadcasting Server

High End Processor

AP-SBS20000 Front Side



RGB Interface

USB Interface for Mouse, Keyboard, etc

Gigabit Ethernet Interface

HDD Access Indication LAMP

Processor Board

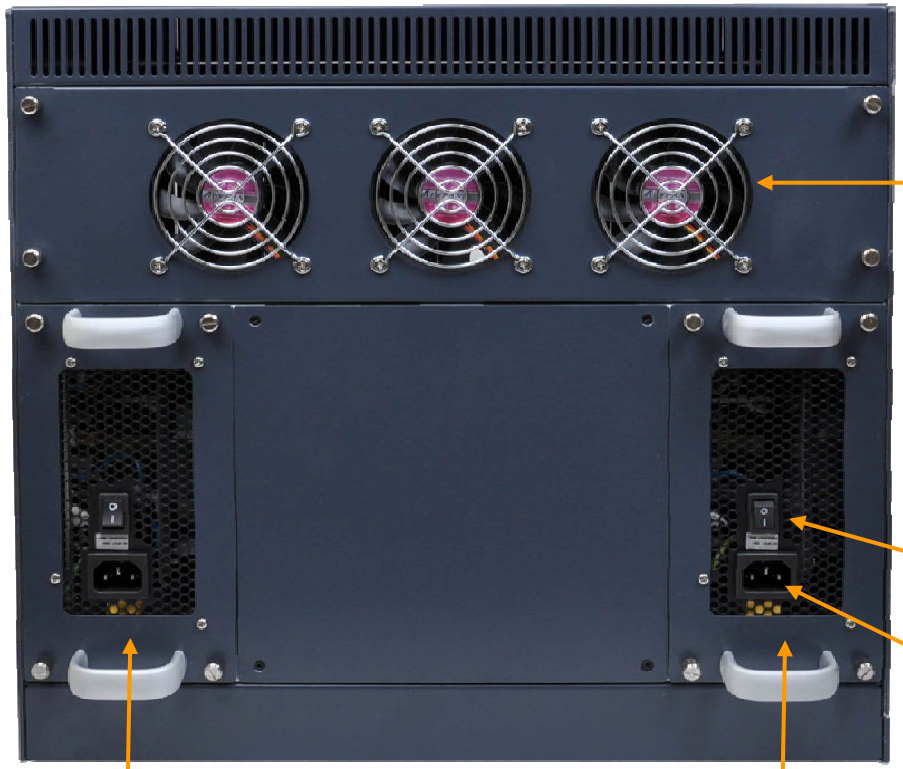
Hard disk Board

Hardware Specification

AP-SBS20000 Smart HD Broadcasting Server

High End Processor

AP-SBS20000 Back Side



Smart HD Broadcasting Server Features

- Broadcasting Media(Encoder/Decoder) Interface
  - UDP/RTP
  - RTSP (Real Time Streaming Protocol)
- Recording
  - Manual Recording
  - Schedule Based Recording
  - Recording Monitoring
  - Recording Media File Maintenance
- Management
  - Web Based Management
  - SNMP (Simple Network Management Protocol)

HD Broadcasting Media Server

HD Broadcasting Media Server

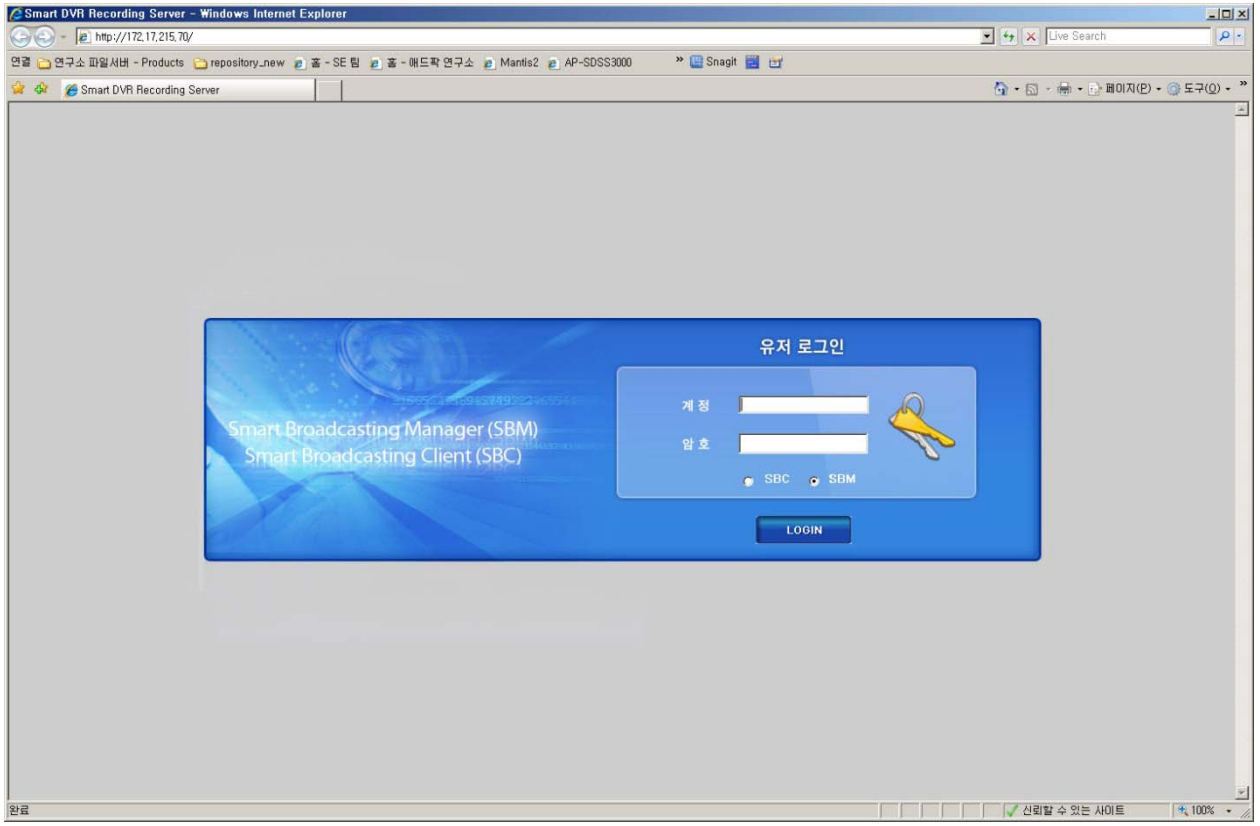
	AP-VBS7000	AP-VBS6000	AP-VBS5000
			
Video Codec	H.264	H.264	H.264, MPEG4
Video Resolution	1080i Full HD, 720P HD	1080i Full HD, 720P HD	H.264 : 720P HD MPEG4 : VGA, QVGA
Video Input Interface	HD-SDI, HDMI, Analog, etc	HD-SDI, HDMI, Analog ,etc	Component, HD-SDI, RCA, S-Video, RGB
Audio Interface	RCA Stereo Interface	RCA Stereo Interface	RCA Stereo Interface
LAN	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
Channel Number	Up to Ten(10) Video Module Slot Support	Up to Four(4) Video Module Slot Support	Two(2) Video Input Support

AP-SBM
Smart Broadcasting Manager

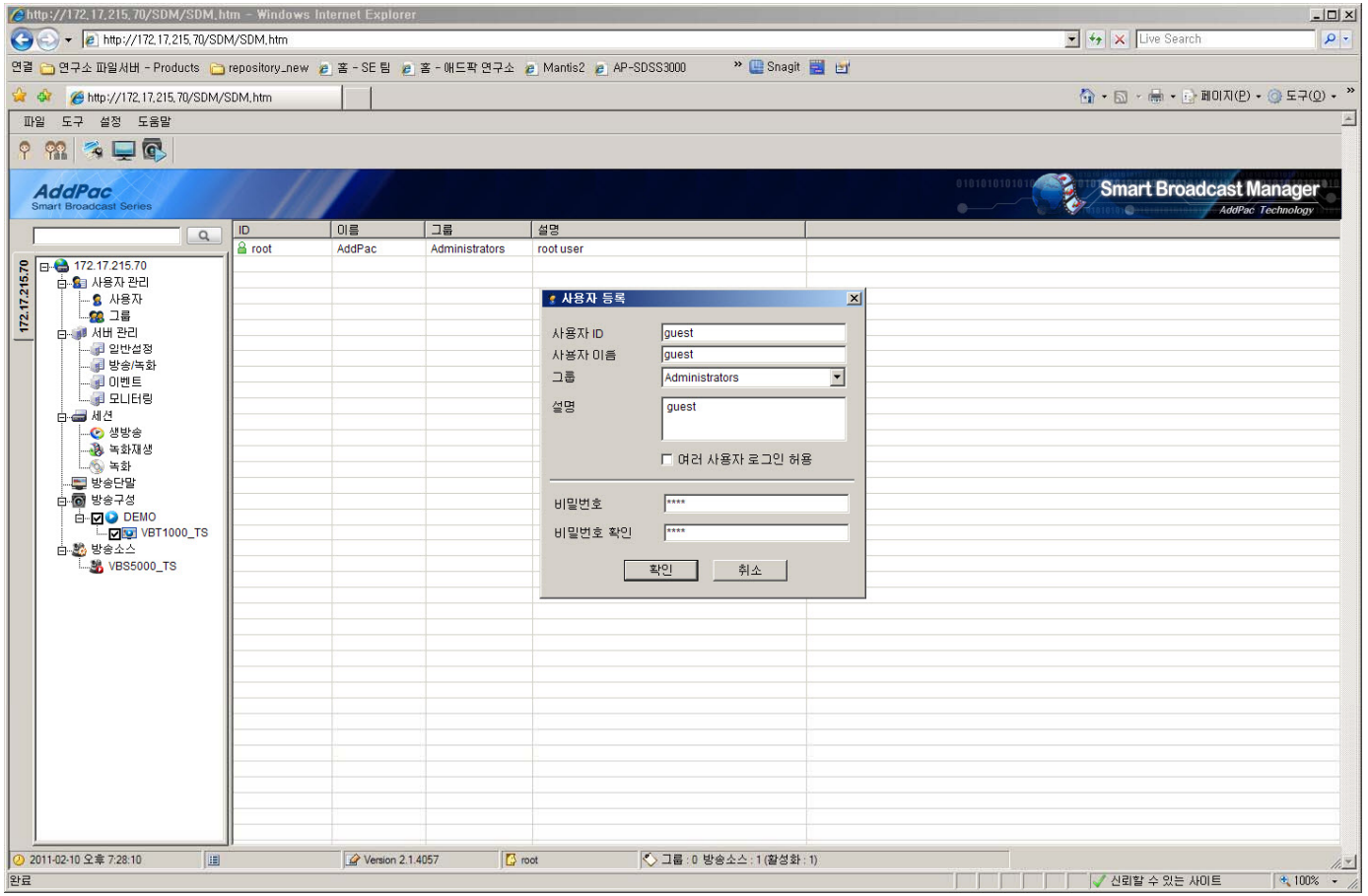
SBM Main Features

- Web based Management Scheme
- User Register and Access Restriction Management
- Broadcasting Source Management
- Schedule based Broadcasting Service
- On Demand Broadcasting Service
- Live Session Monitoring
- On Demand Session Monitoring
- Recording File Search and Display
- Recording File History Management
- Broadcasting Media Source Management
- Broadcasting Server Status Monitoring

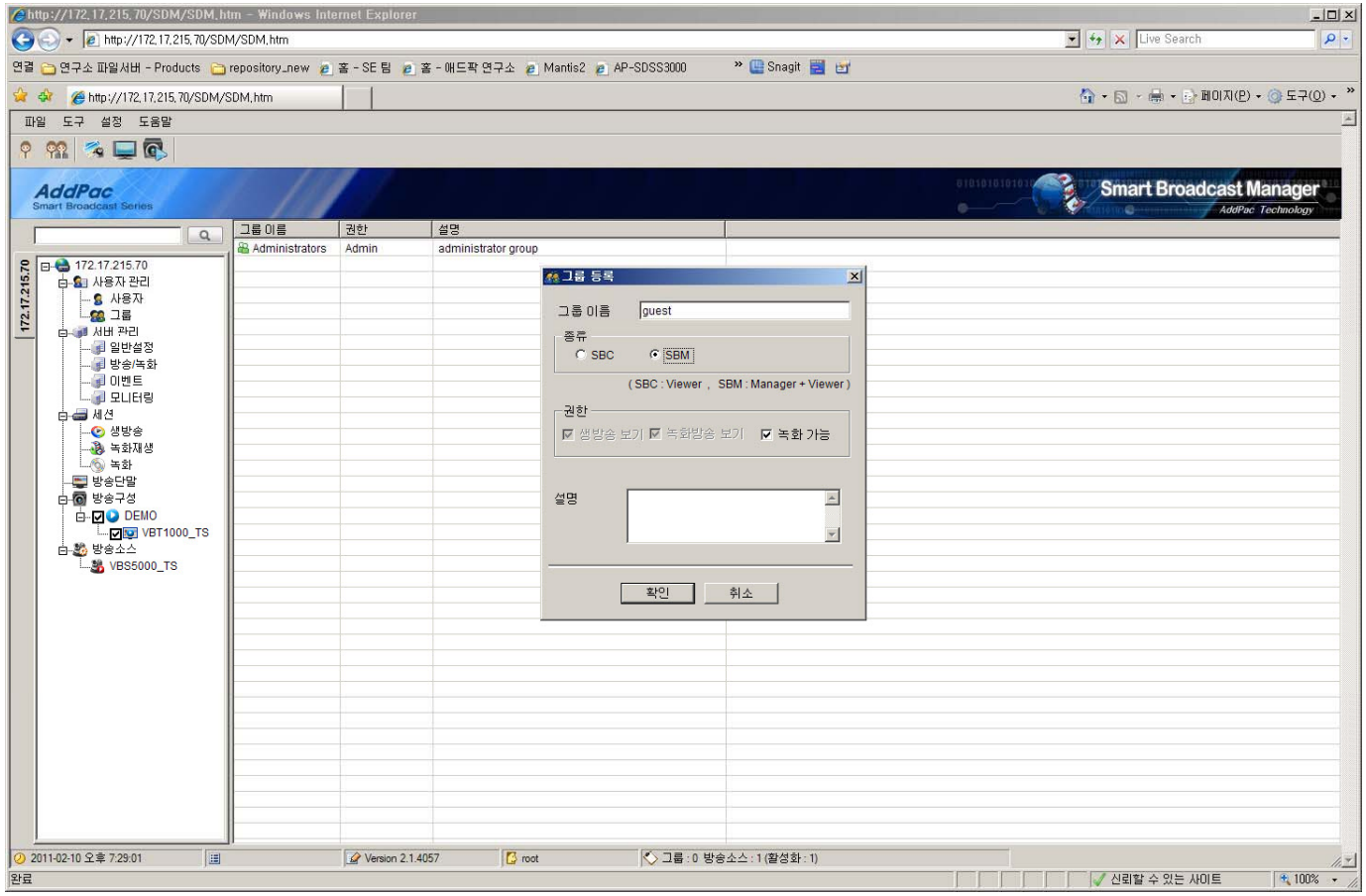
SBM Web Intro. Display



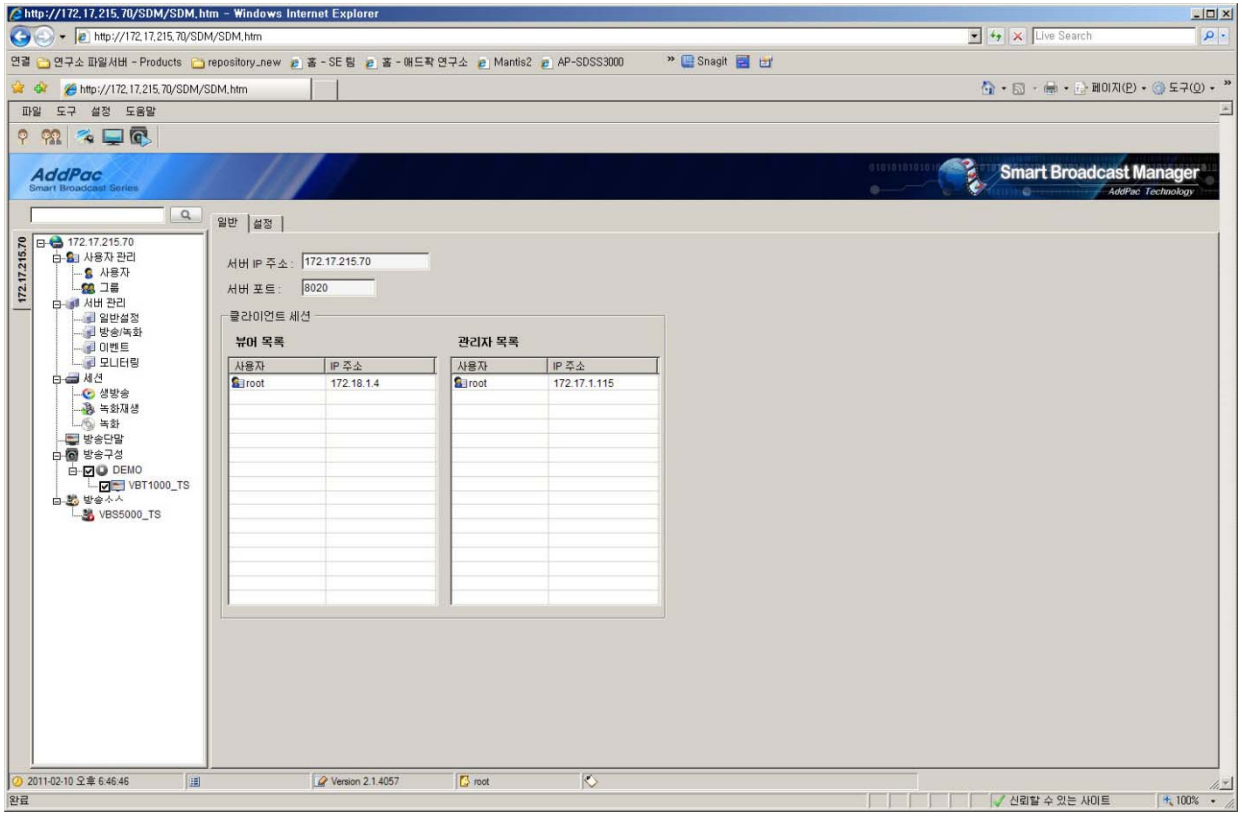
SBM User/Group Management



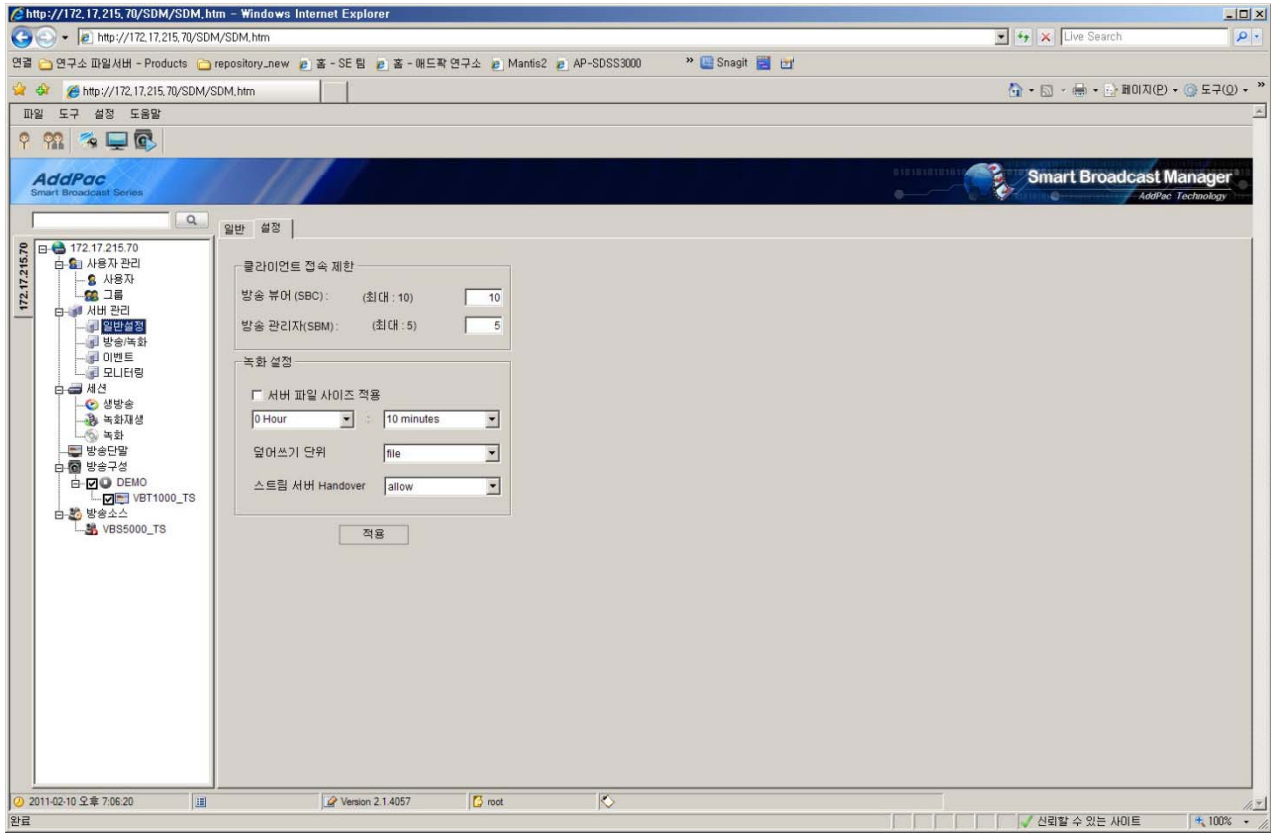
SBM User/Group Management



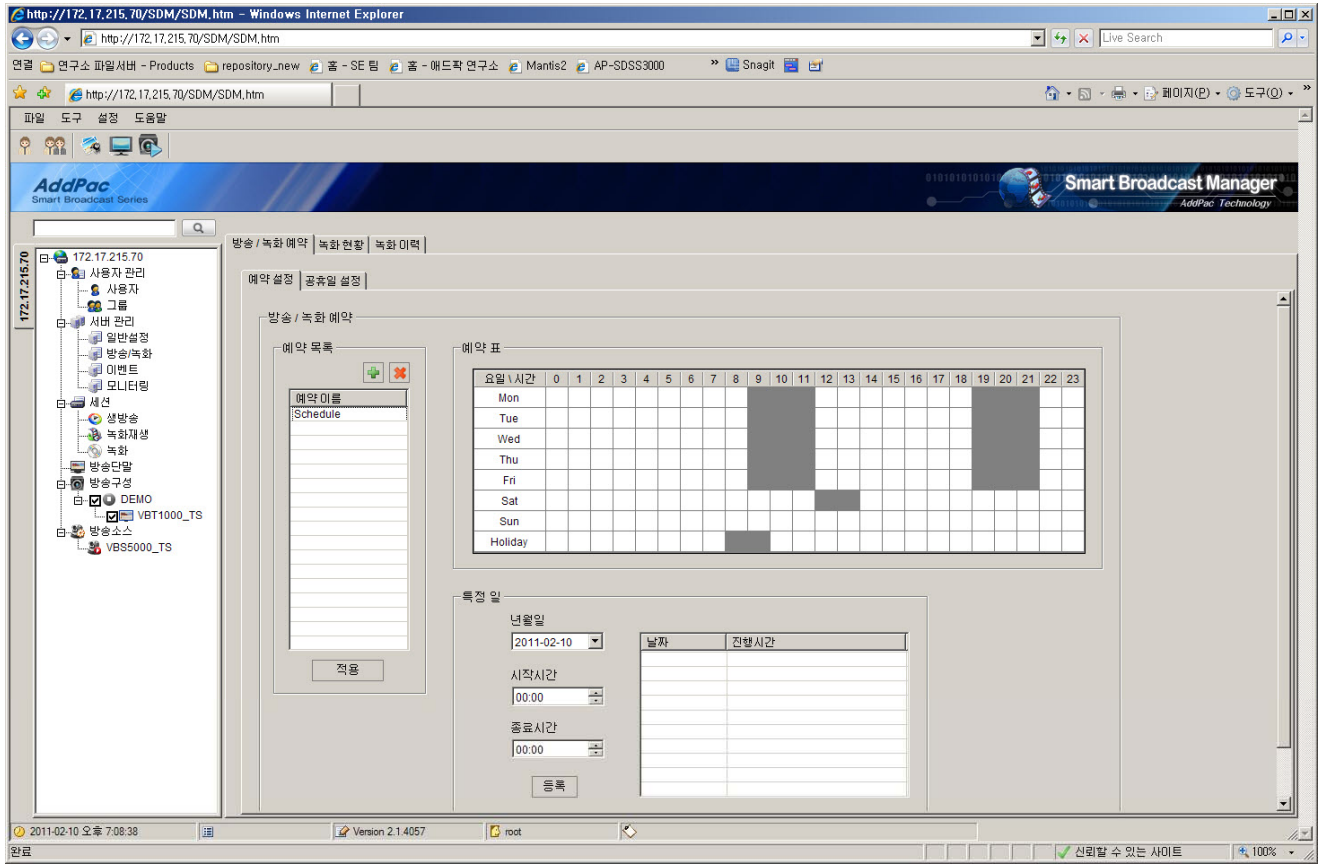
Broadcasting Server Management



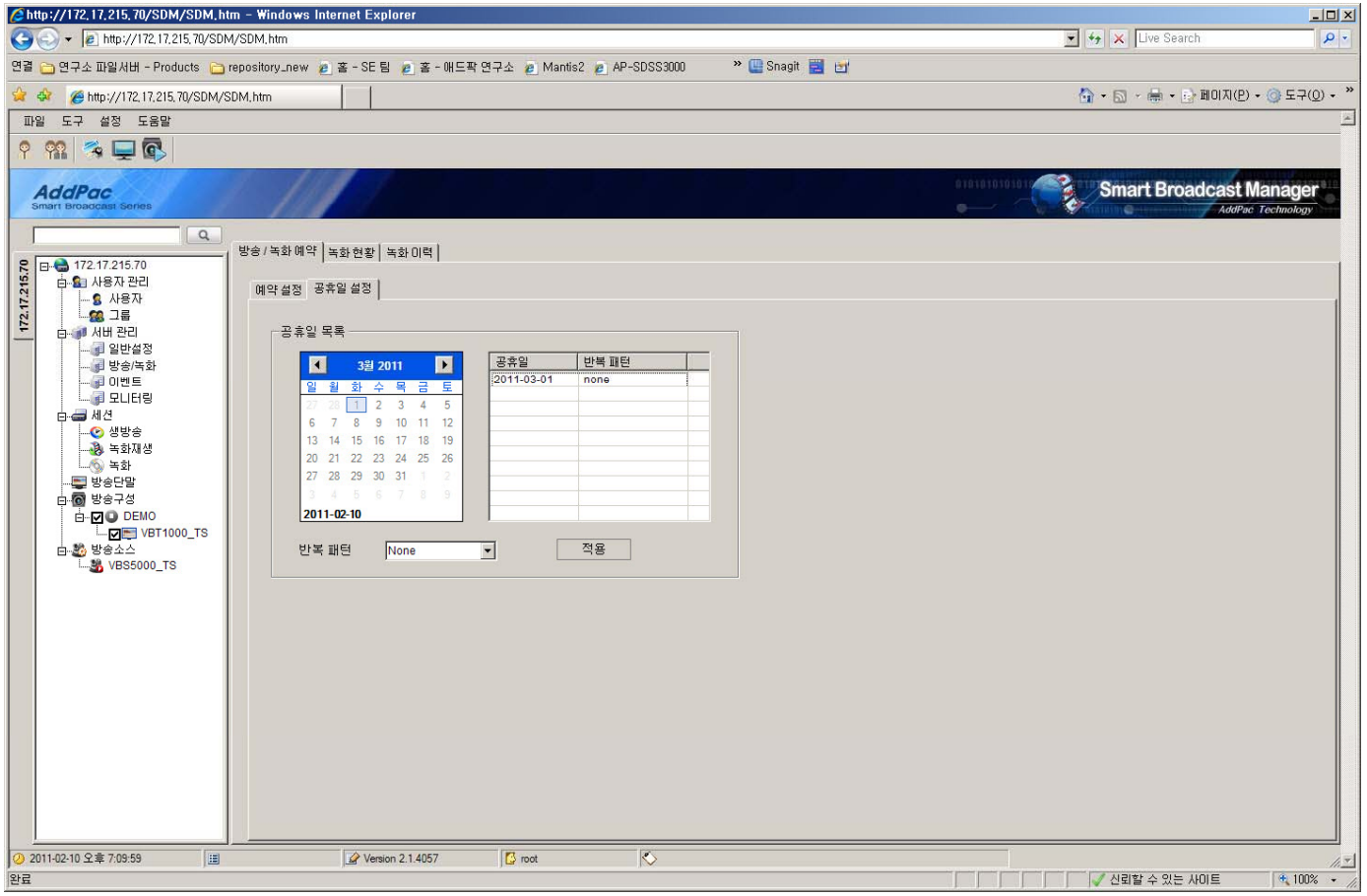
Broadcasting Server Management



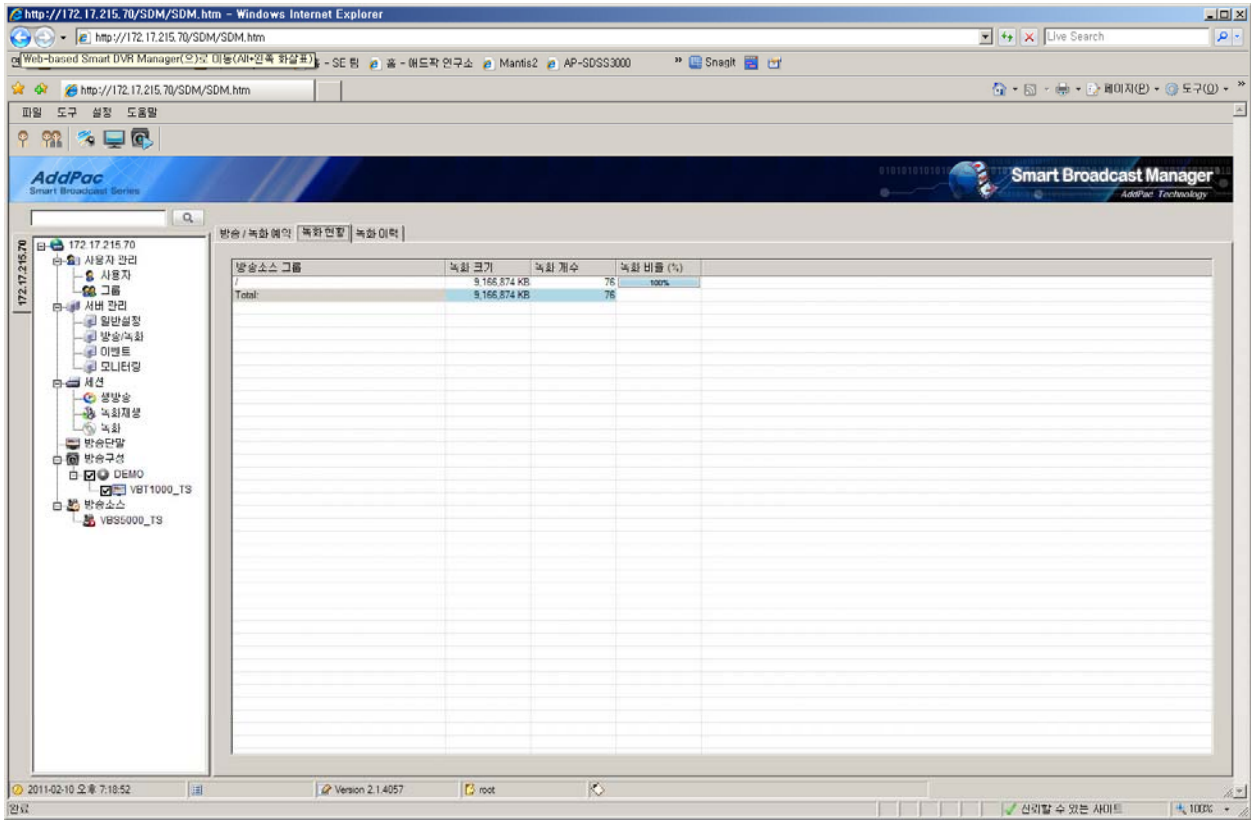
Broadcasting Schedule Management



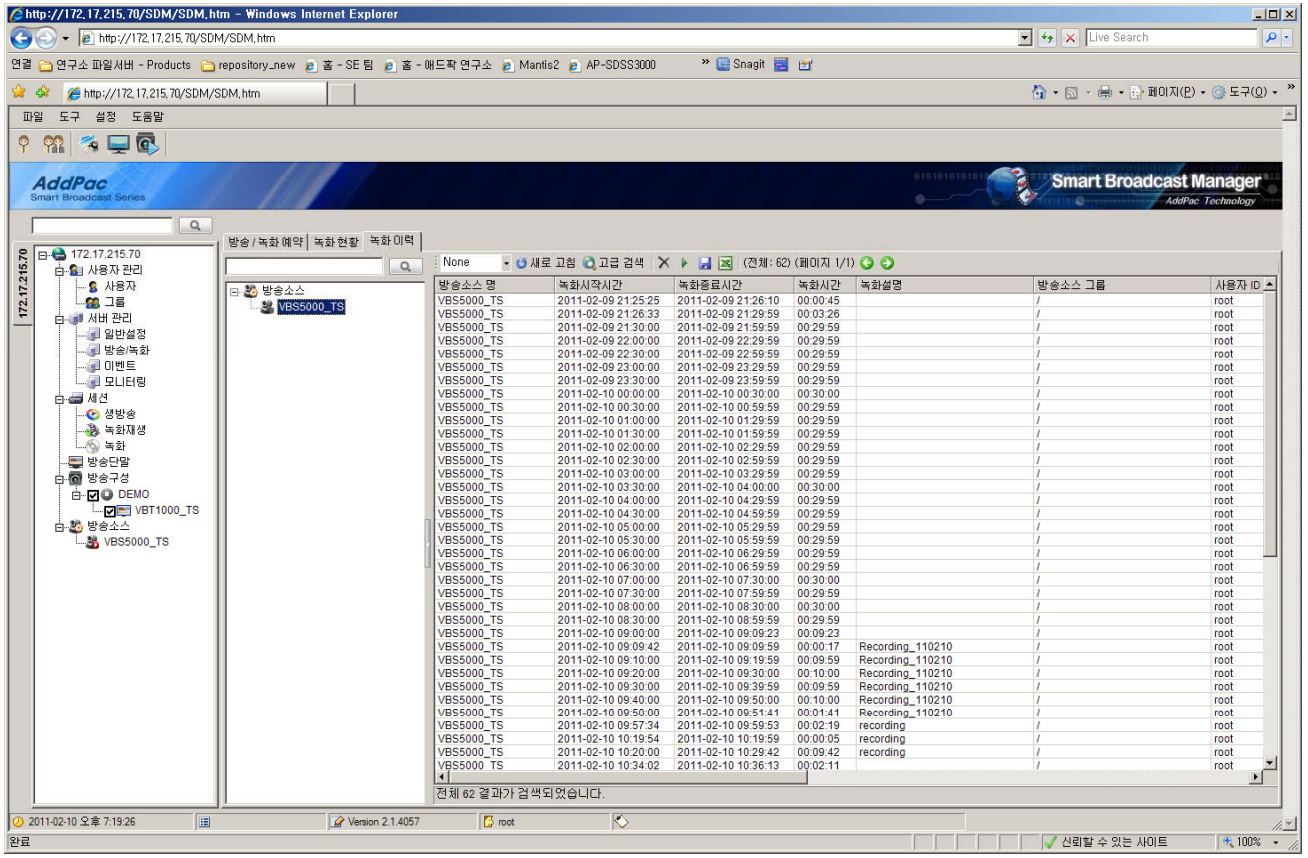
Broadcasting Schedule Management



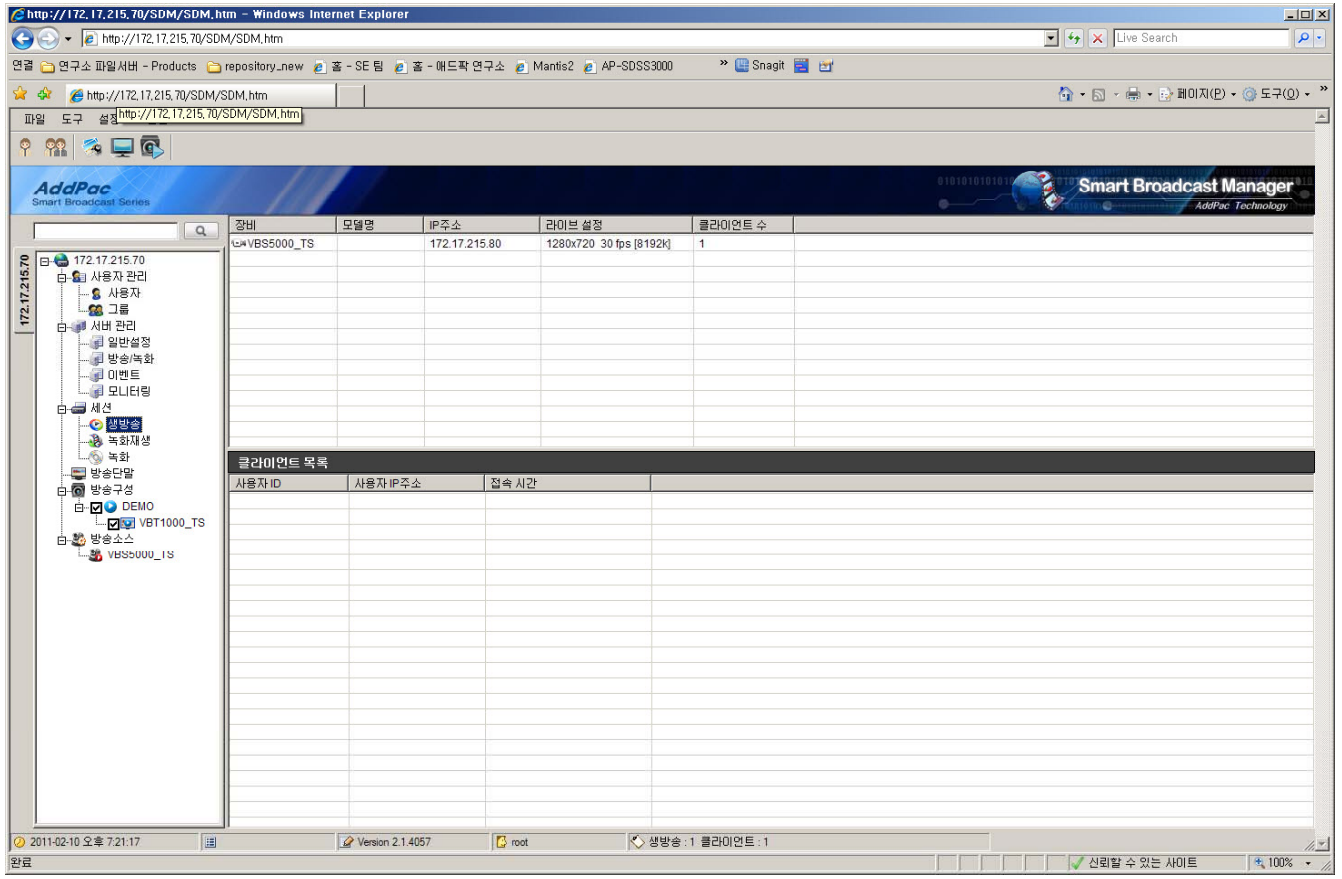
Recording File Status Display



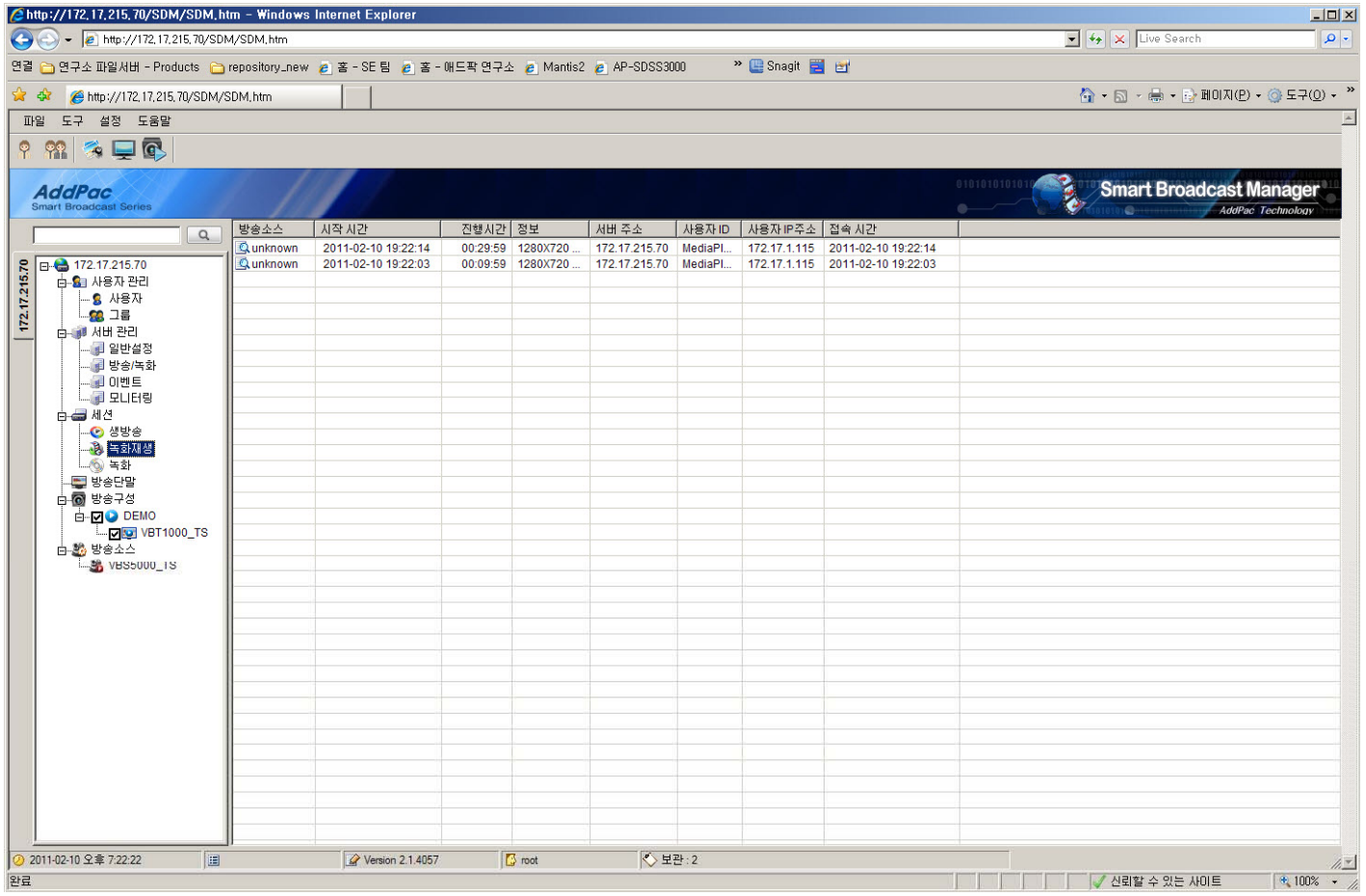
Recording File History Display



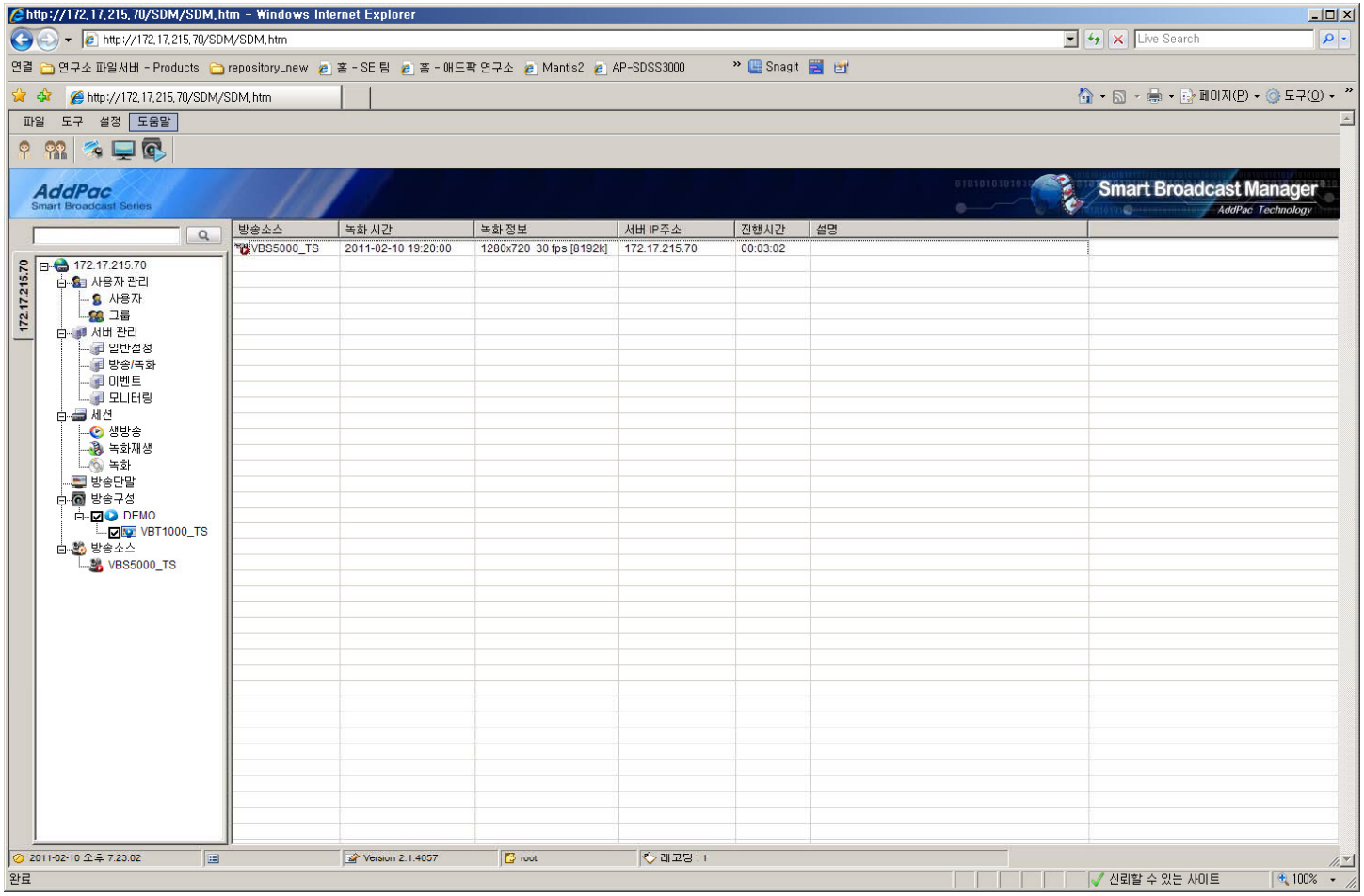
Live Session Monitoring



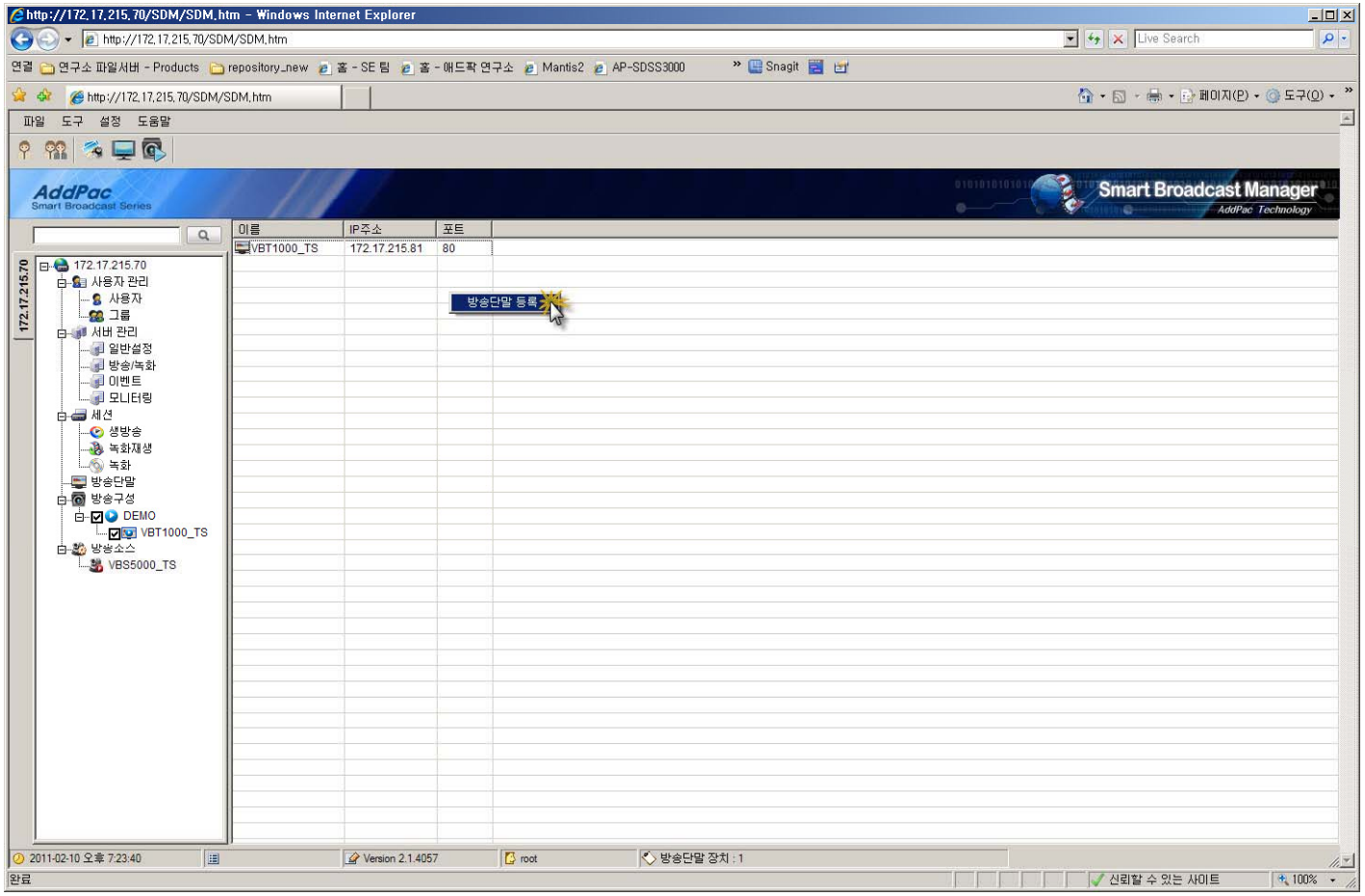
On Demand Session Monitoring



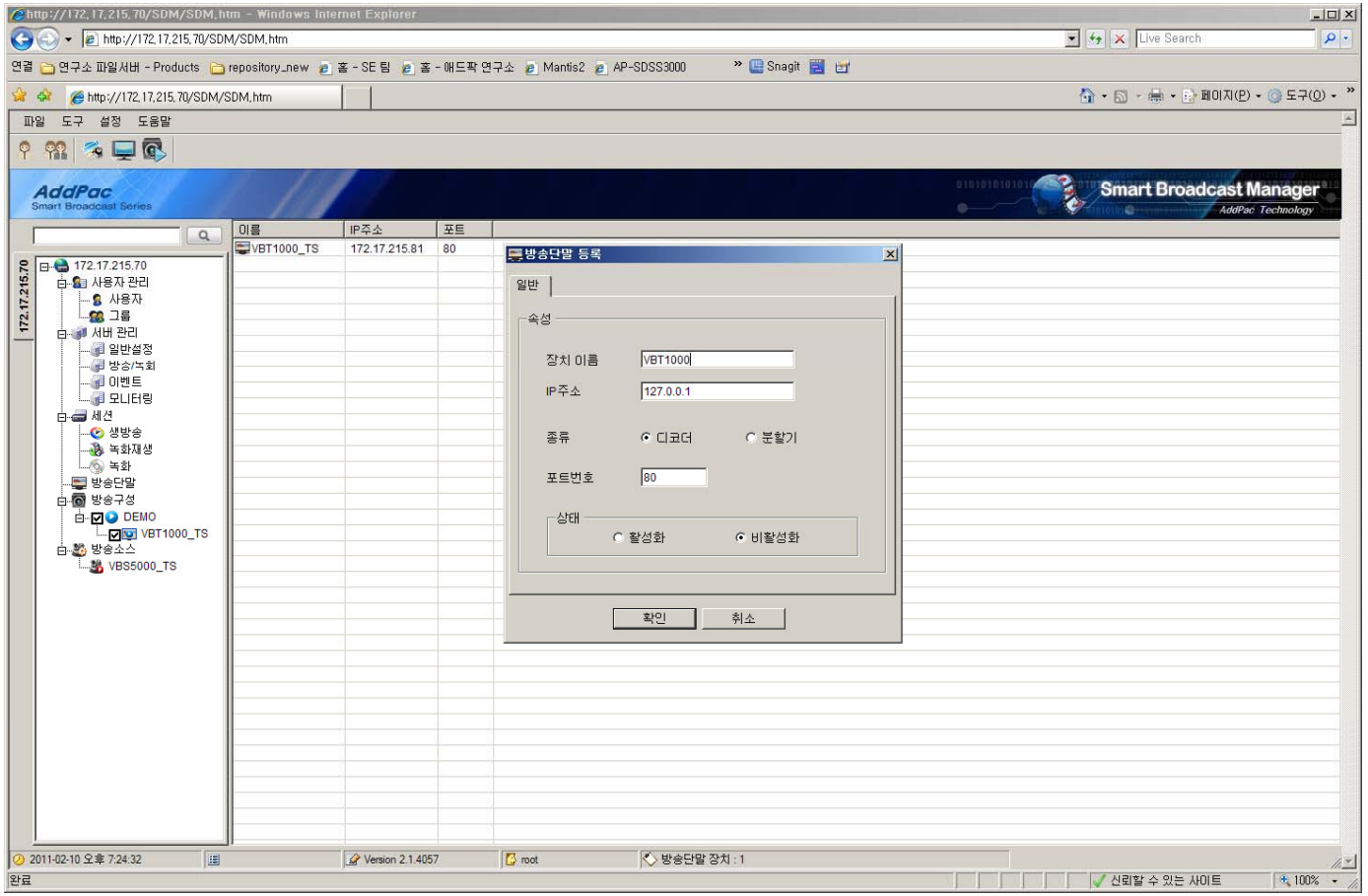
Recording Session Monitoring



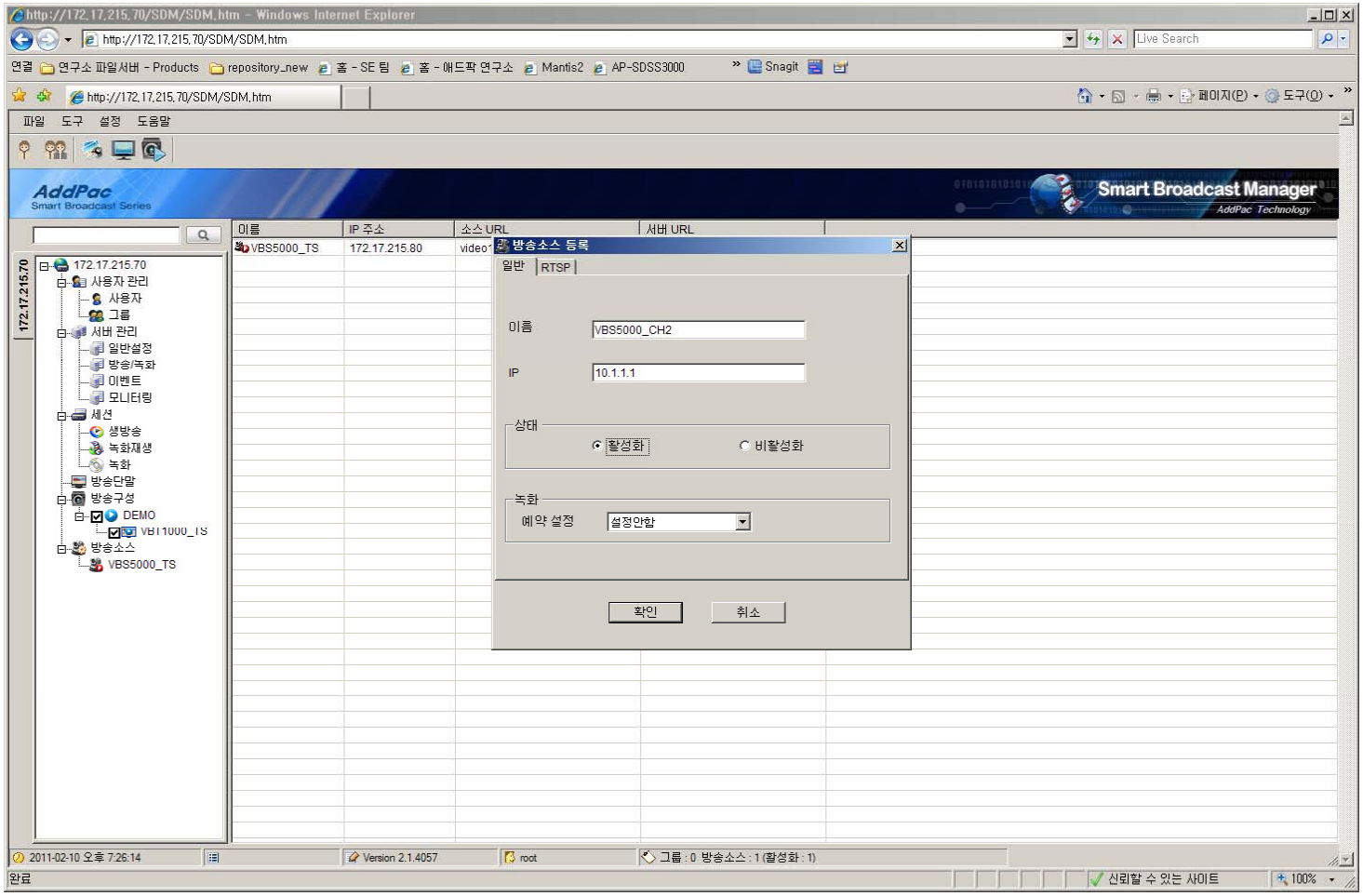
Broadcasting Terminal Registration



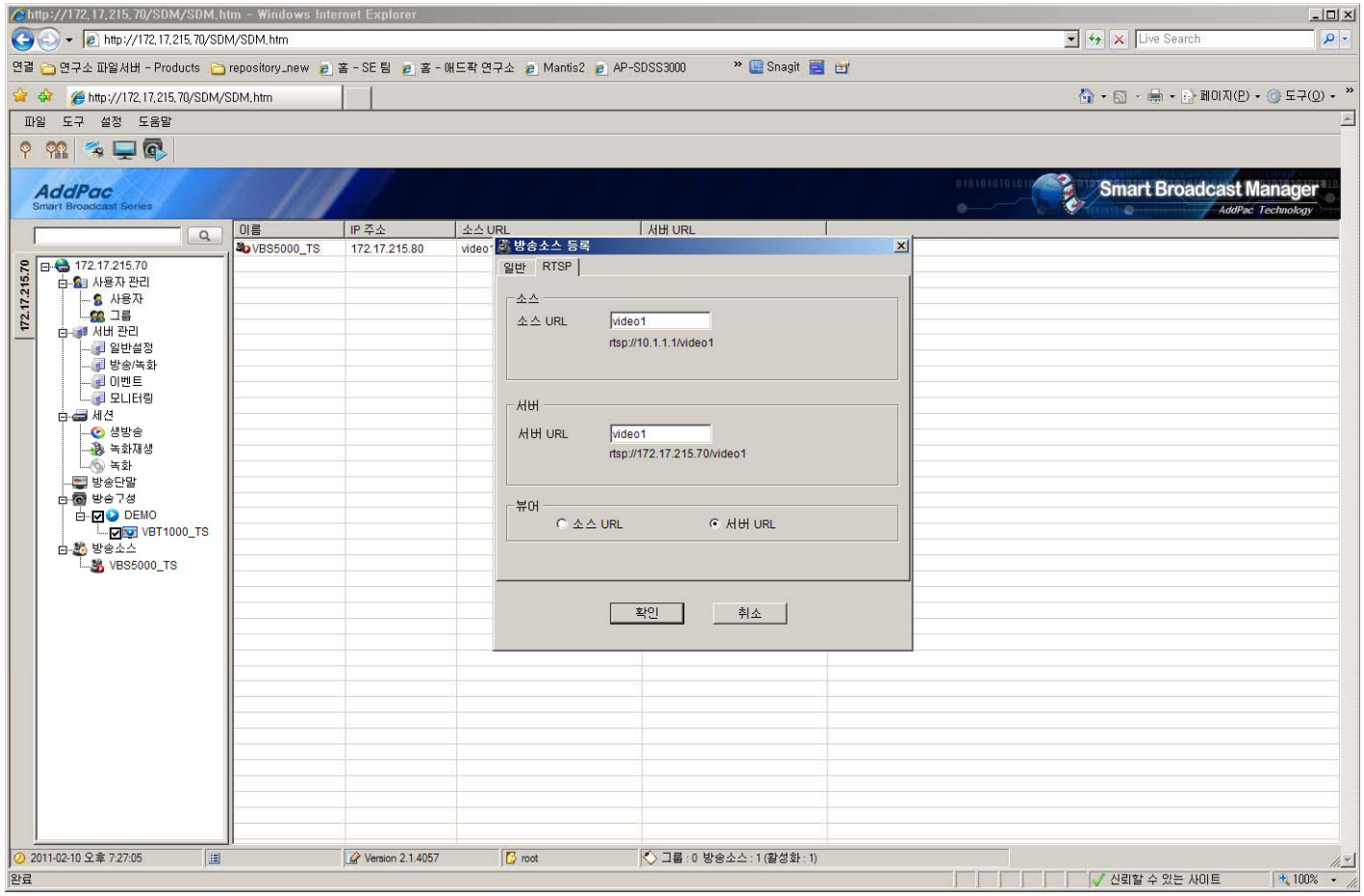
Broadcasting Terminal Registration



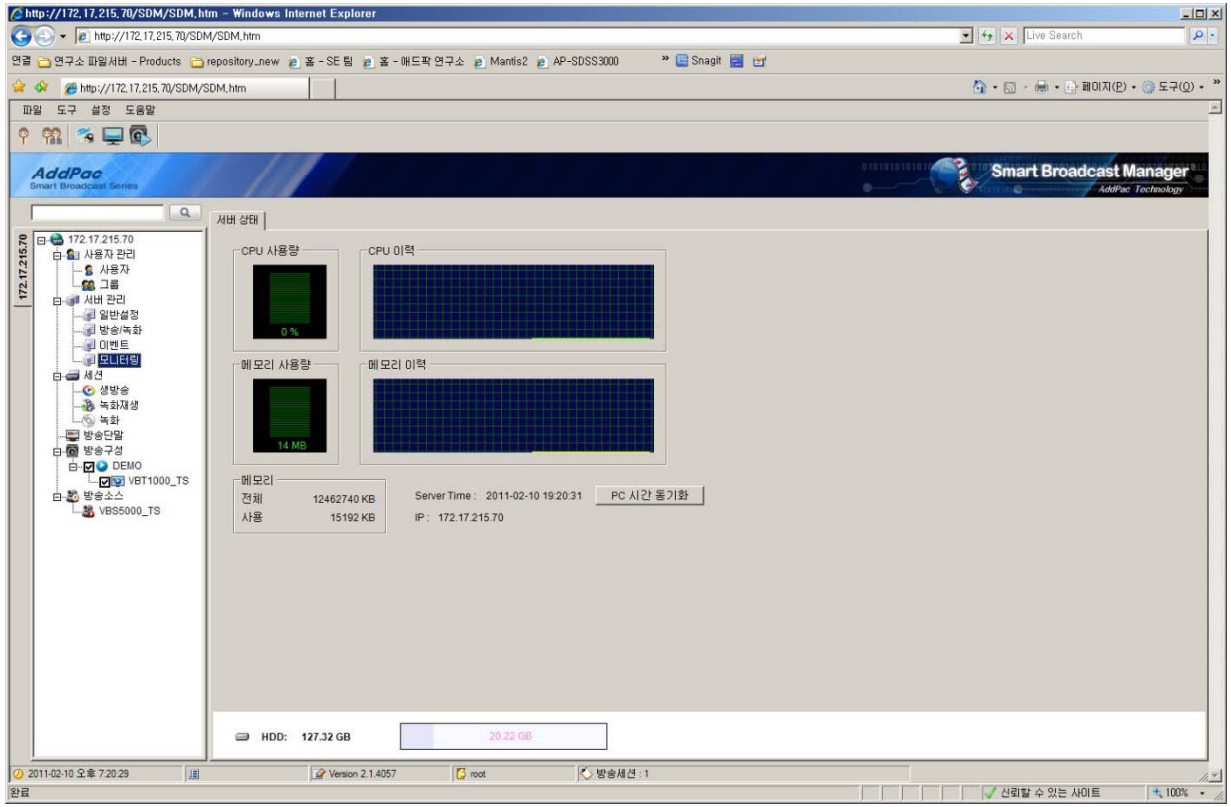
Broadcasting Media Source Registration



Broadcasting Media Source Registration



Broadcasting Server Status Monitoring

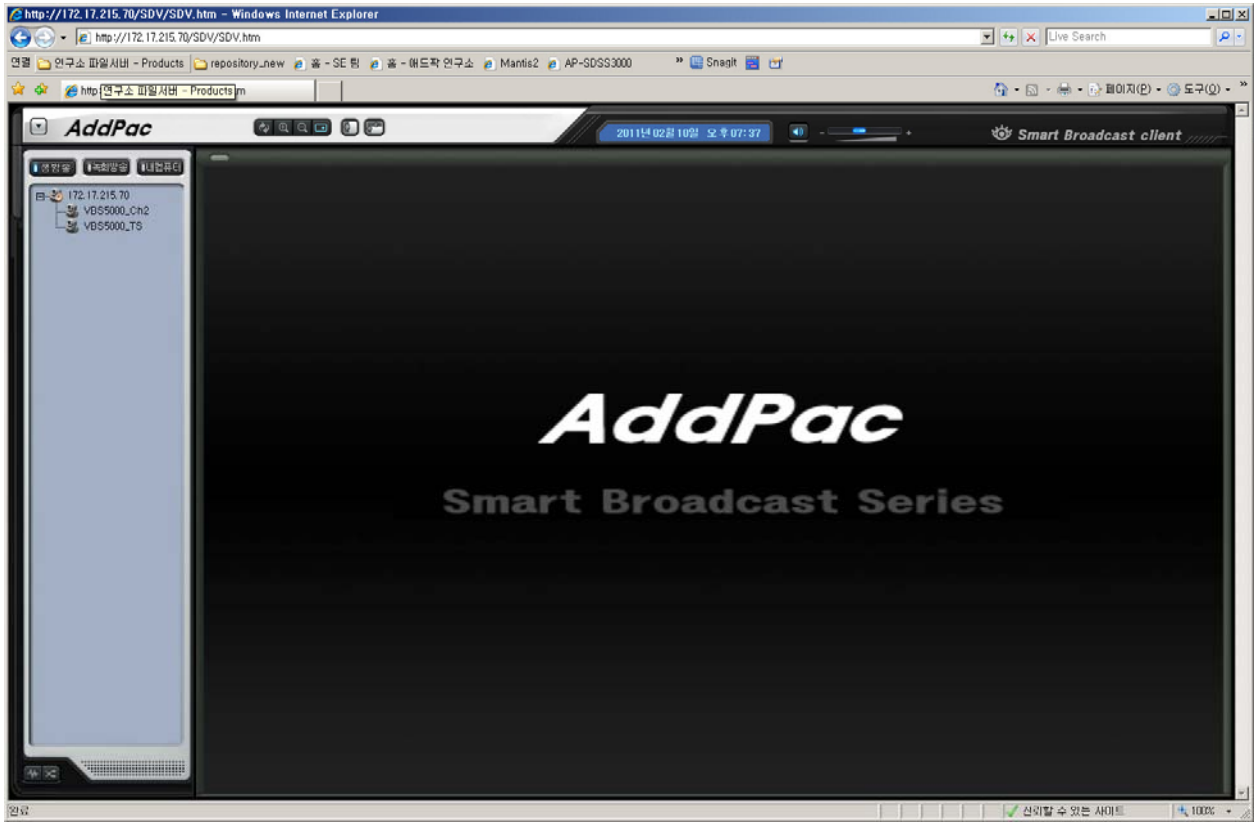


AP-SBC
Smart Broadcasting Client

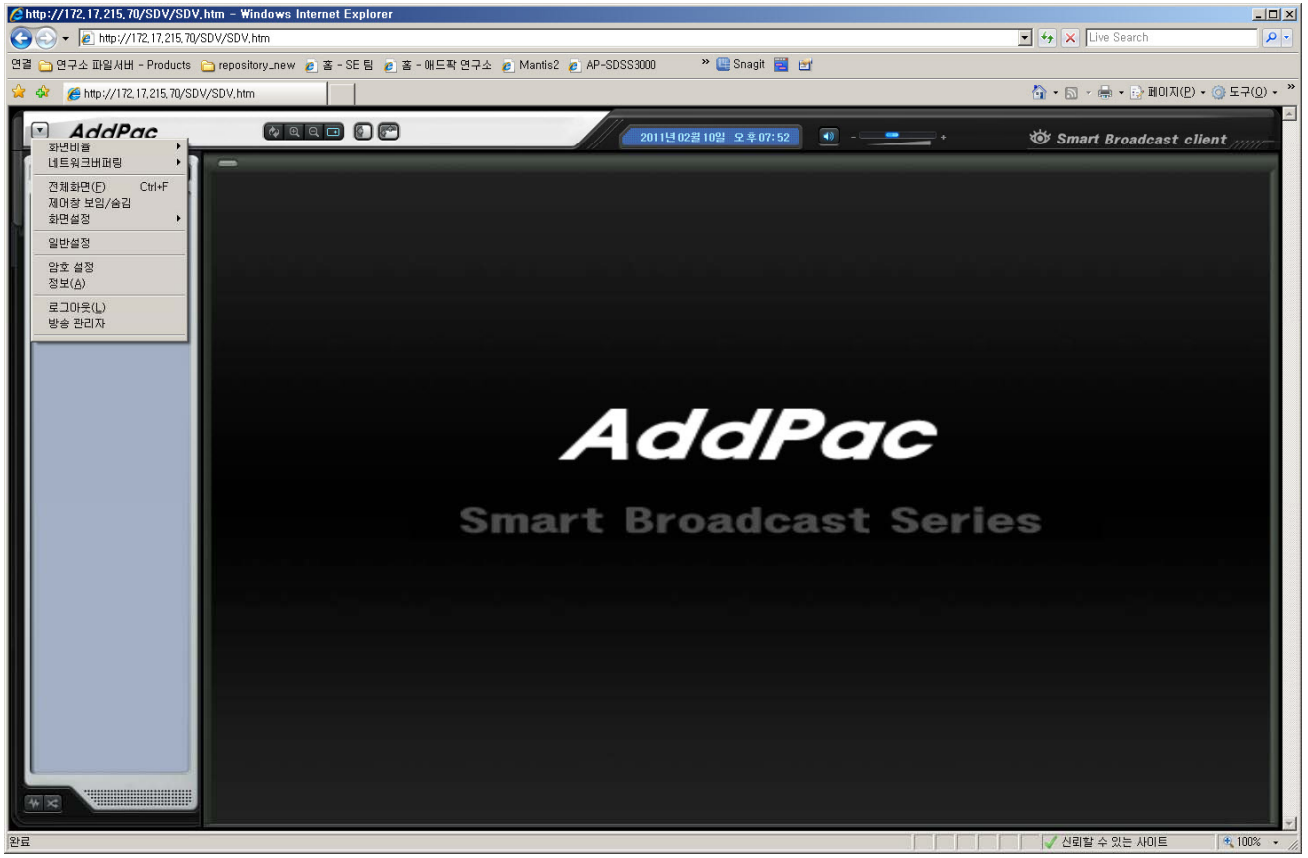
SBC Main Features

- Web based Smart Broadcasting Client
- Live Broadcasting Client
- On Demand Broadcasting Client
- Local Broadcasting Client
- Video Display Layout Control (Aspect Ratio)
- Full Size Display
- Network Video Buffering Control
- Recording File Search for On-Demand Service
- File Drag & Play Service
- Video Broadcasting Information Display

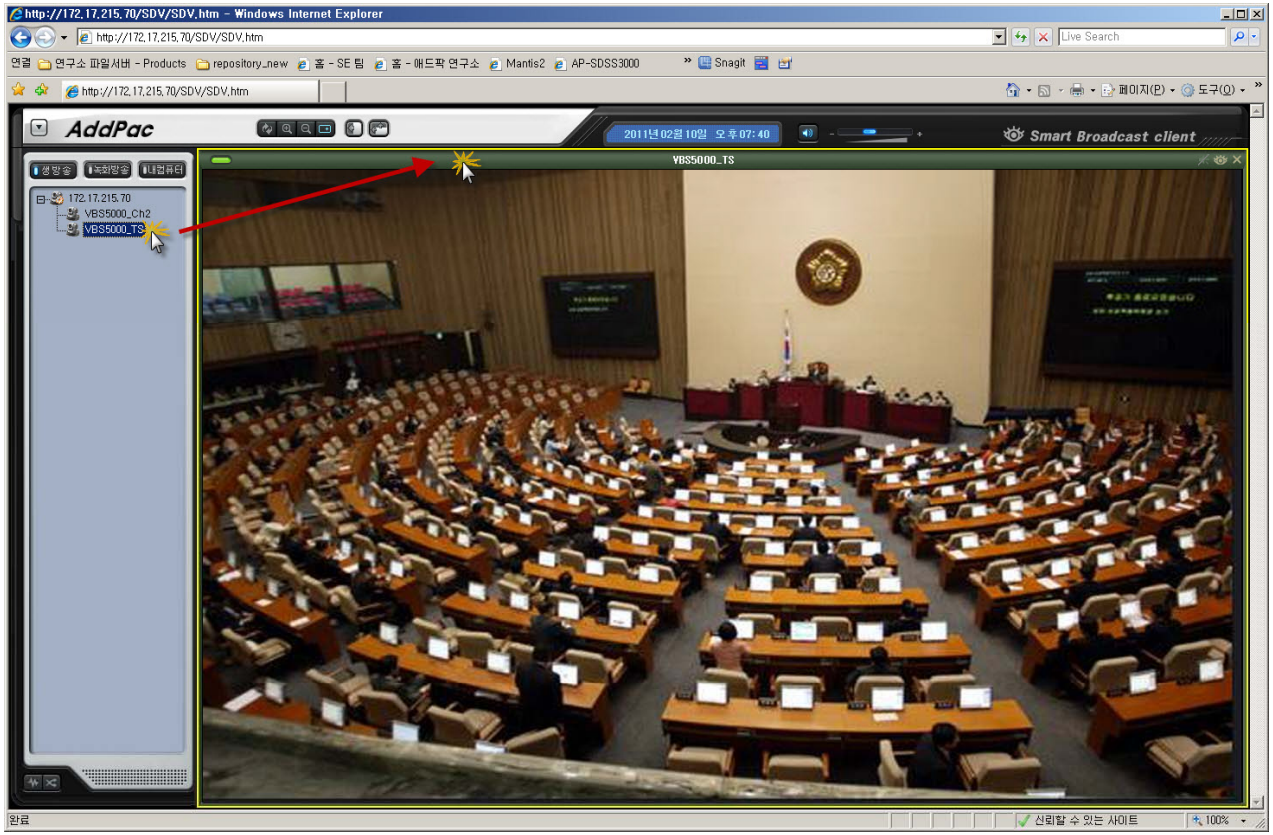
SBC Display Layout



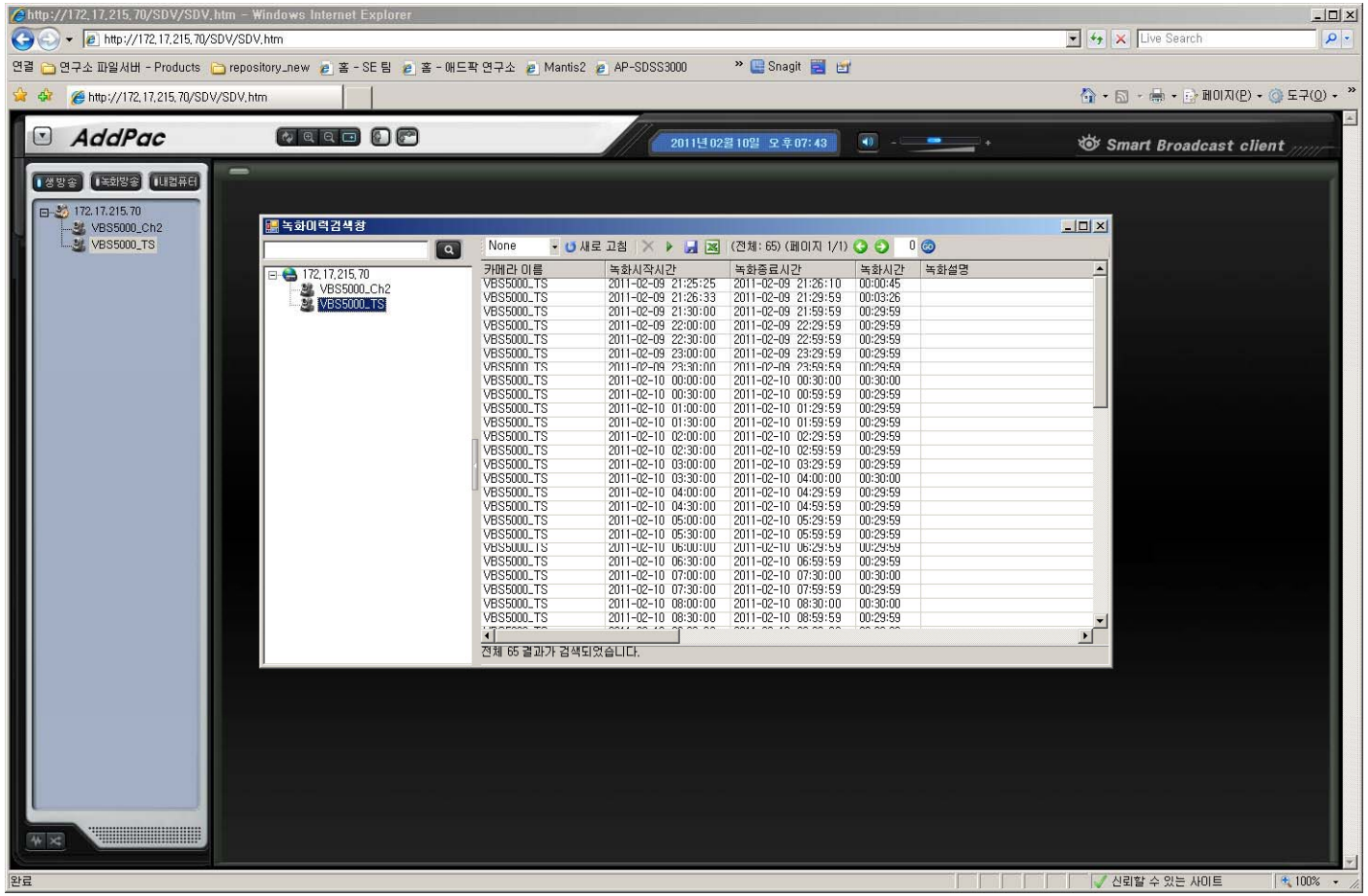
SBC Control Menu



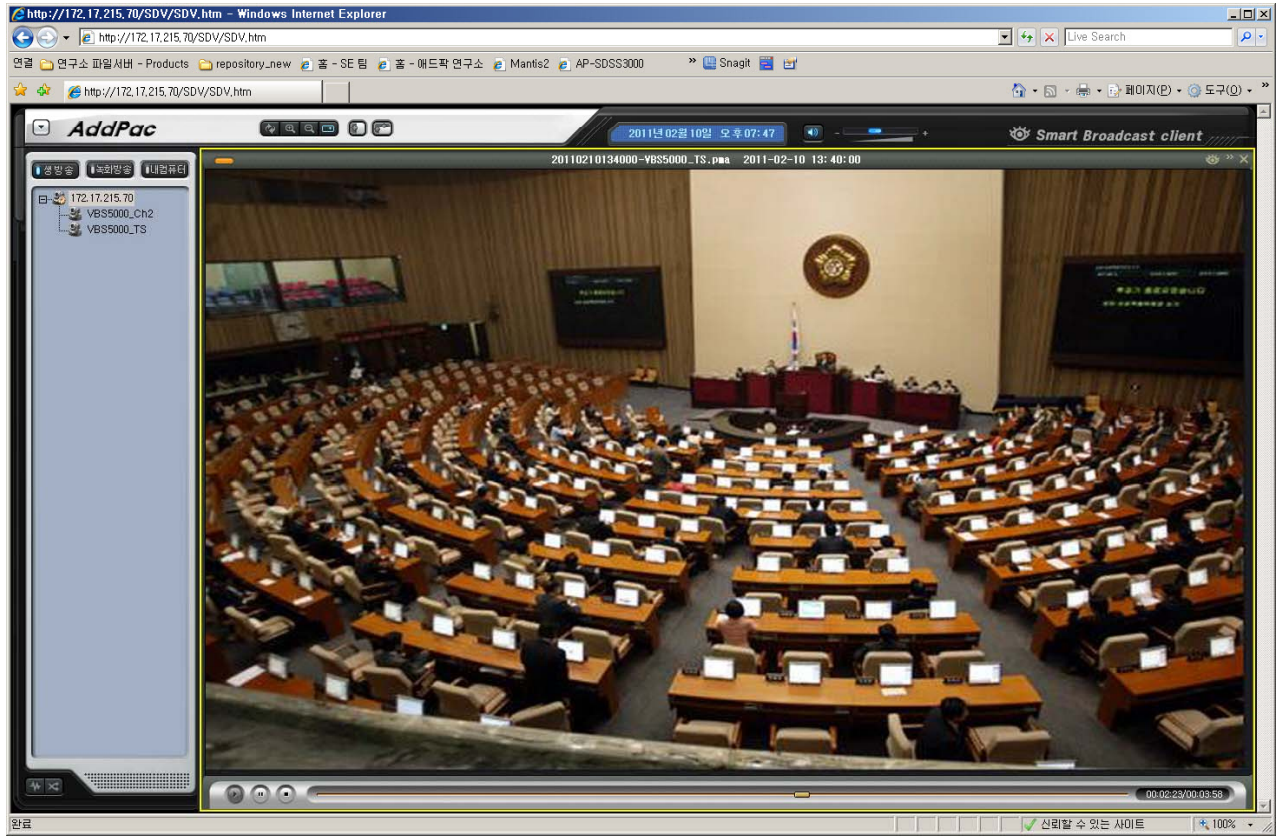
Live Broadcasting



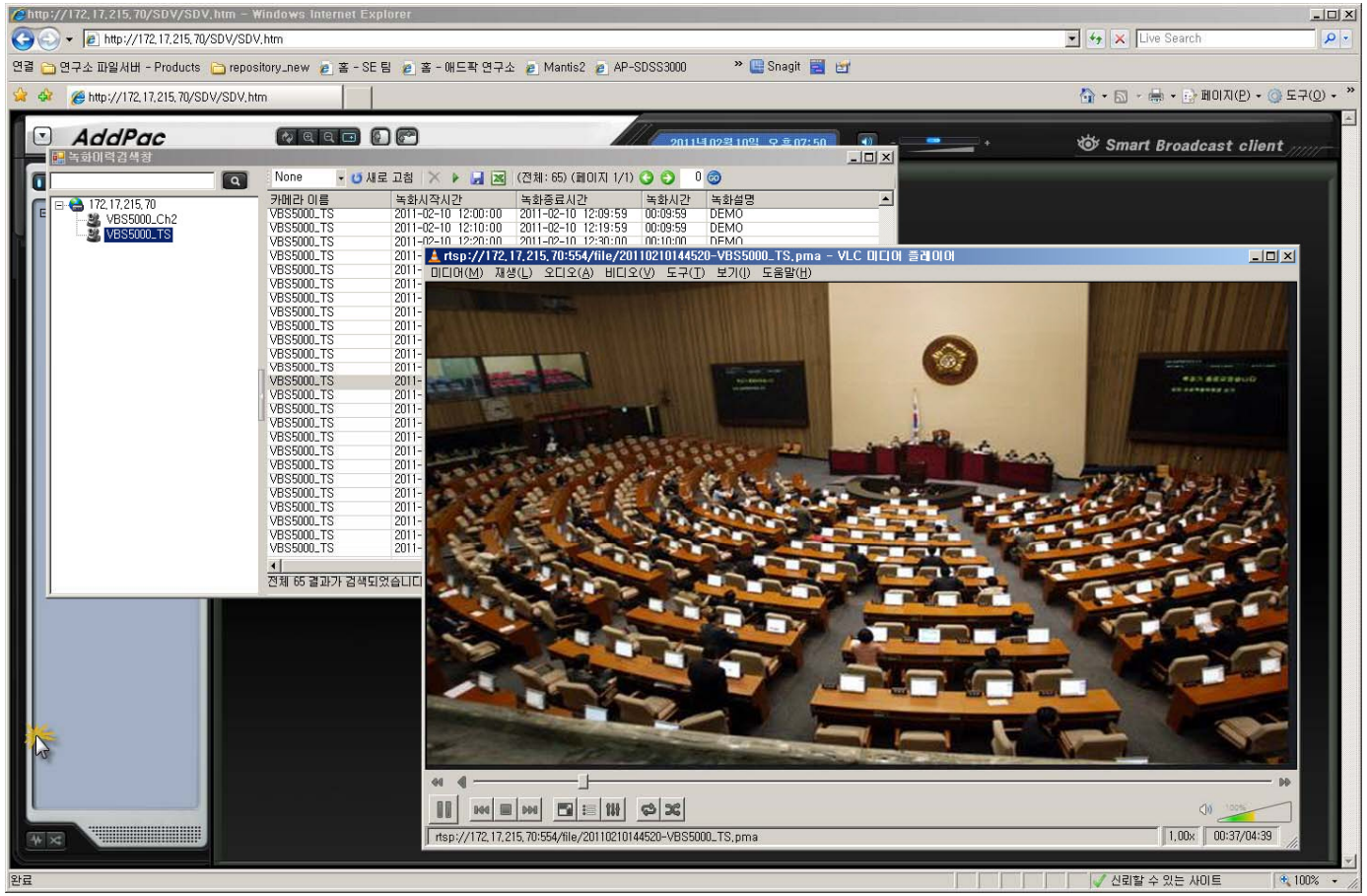
Recording File Search for On-Demand



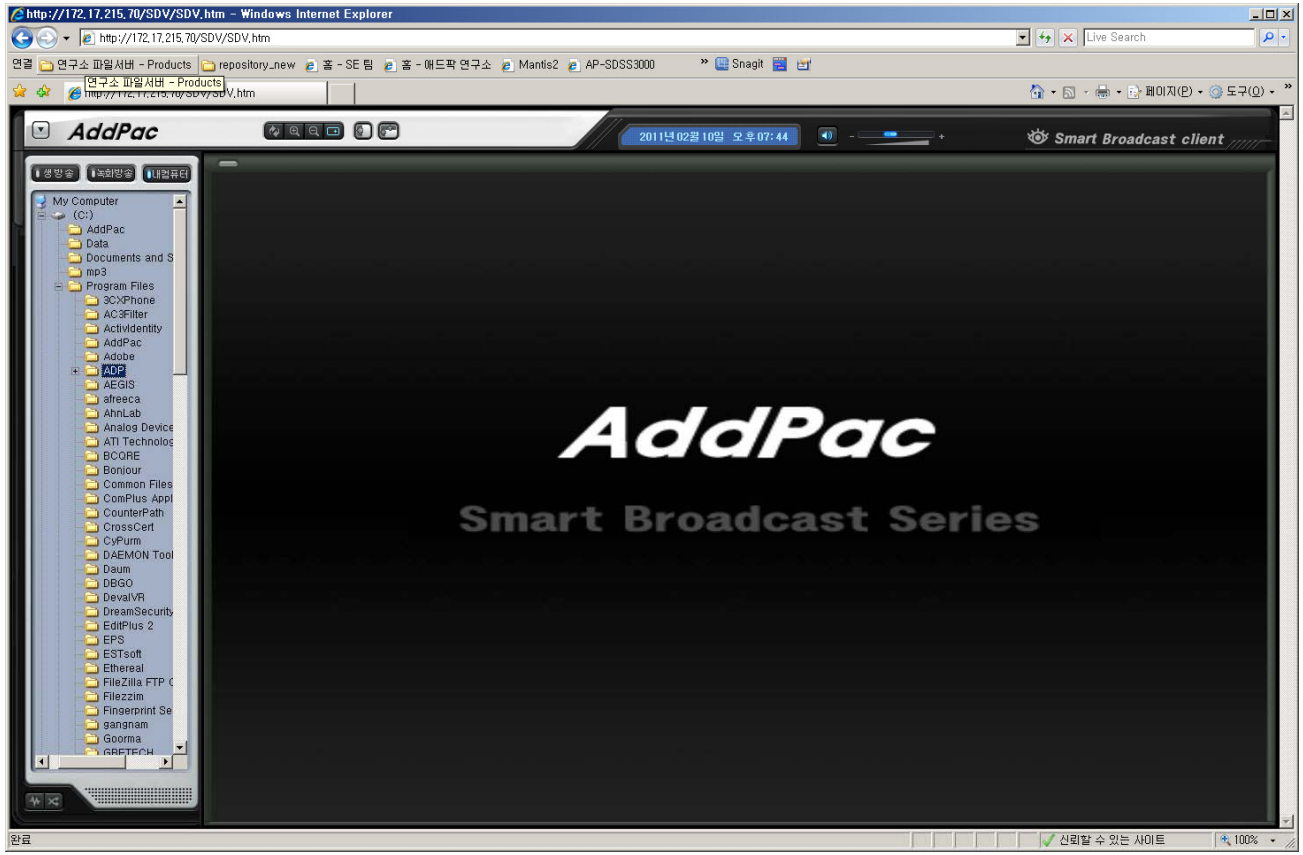
On-Demand Video Play



On-Demand Video Play using VLC



Local File Video Play



Thank you!

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