AP-SIC200™
SD IP Camera

High-performance Network DVR Solution

Preliminary Product Overview

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

AddPac Technology

2011, Sales and Marketing

www.addpac.com

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Product Overview

AP-SIC200 SD IP Camera

- High-End Programmable DSP Hardware Architecture
- High-Performance SD IP Camera Features
- High Quality H.264 High Profile Video Encoder Support
- Speed PAN/TILT Camera Service Features
- Optical 27 x Zoom Camera
- Up to 720 x 480Resolution
- RTSP Streaming Service Protocol Support
- Powerful Management and User Friendly Features
- Fault Tolerant and Scalability Architecture
- Firmware Upgradeable Architecture
- Network Interface
  - One(1) 10/100M Fast Ethernet Interface
- MIC In Interface for Audio Recording
- Audio Out Interface for Broadcasting, Announcement
- CVBS Interface for External Video Monitoring
- SD Card Interface for Emergency Backup

Product Highlights

AP-SIC200 SD IP Camera

Next Generation SD IP Camera

Embedded System for Stability

High-End Programmable DSP Hardware Architecture

Up to D1 (720x480) Video Resolution

High Quality H.264 Video Encoder Features

Firmware Upgradeable Architecture

Speed PAN/TILT Dome Camera Service Features

APOS™ Technology
Multimedia Network Protocol

Optical 27 x Zoom Video Camera

MIC In, Audio Out Interface for Audio Recording ,Broadcasting Service

One(1) 10/100Mbps Fast Ethernet Interface, IO Interface (2 Alarm, 1 Relay)

RTSP Streaming Protocol Support for NVR Service

Hardware Specification

AP-SIC200 SD IP Camera

High-End RISC+ VP

- RISC + Video Processor Computing Power
- Main Chassis
  - Network Interface
    - One(1) 10/100/1000Mbps Gigabit Ethernet
    - One(1)-Port RS232C Port for CLI, Debug
  - Audio Interface
    - One(1) Audio 3.5mm Stereo Input Channel
    - Two(2) Audio RCA Output Channel (Left, Right)
    - Two-Way
  - CVBS Video Out Interface
  - Camera Features
    - NTSC : 768(H) x 494(V), PAL : 752(H) x 583 (V)
    - Auto Focus 27 x Optical Zoom
  - SD Card Slot for Emergency Backup
  - I/O Interface
    - 2 Alarm Input, 1 Relay
  - Speed PAN/TILT Features
    - PAN : 360 Degree Endless
    - TILT : 90+ Degree

Hardware Specification

AP-SIC200 SD IP Camera

Front Side

Hardware Specification

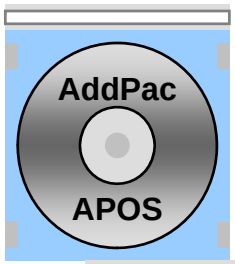
AP-SIC200 SD IP Camera

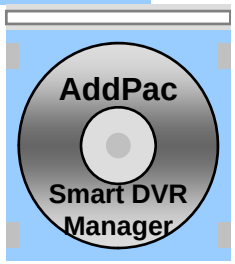
Back Side

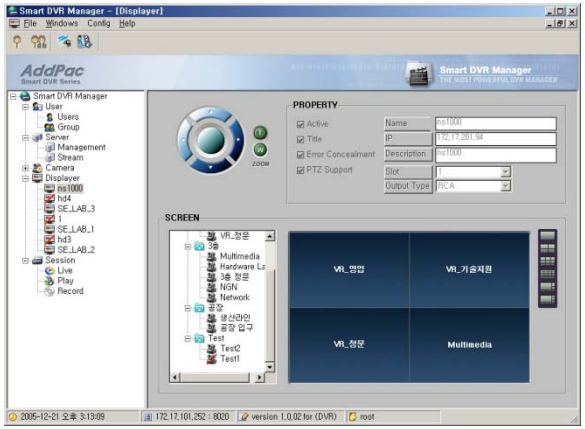
Software Service

AP-SIC200 SD IP Camera

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



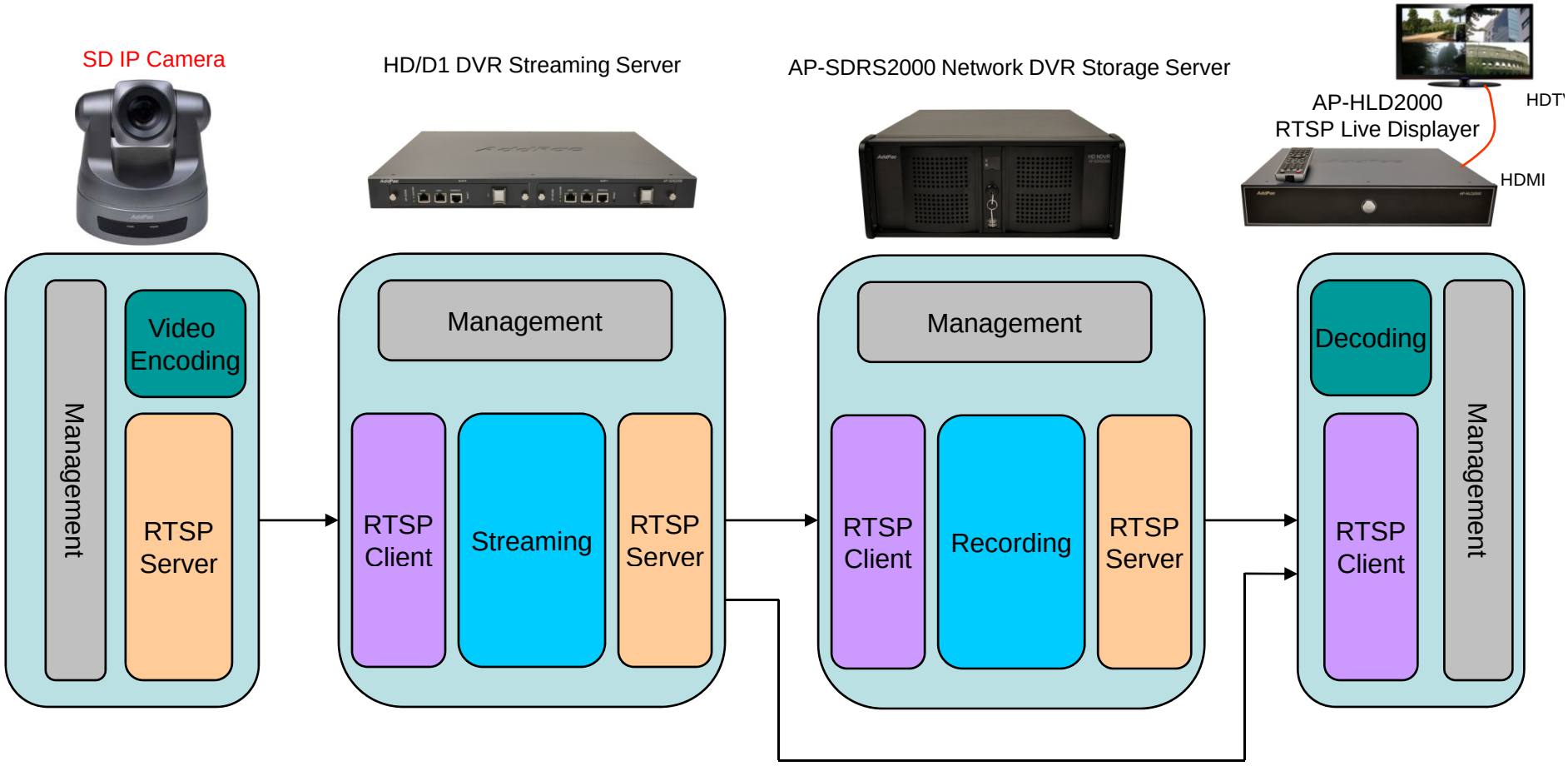




NVR Storage Server Protocol Block Diagram

AP-SIC200 SD IP Camera

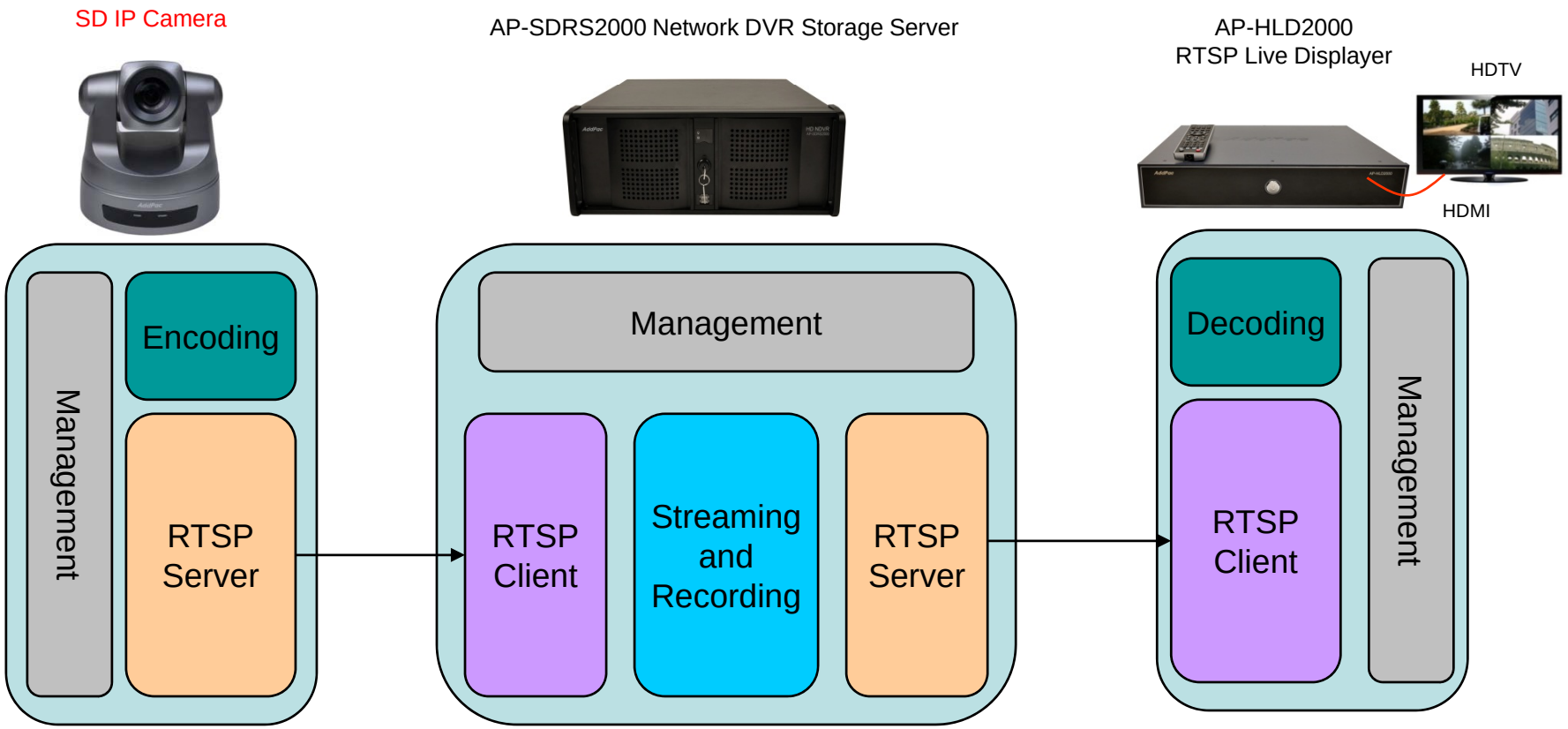
Medium & Large Scale Network DVR Solution



NVR Storage Server Protocol Block Diagram

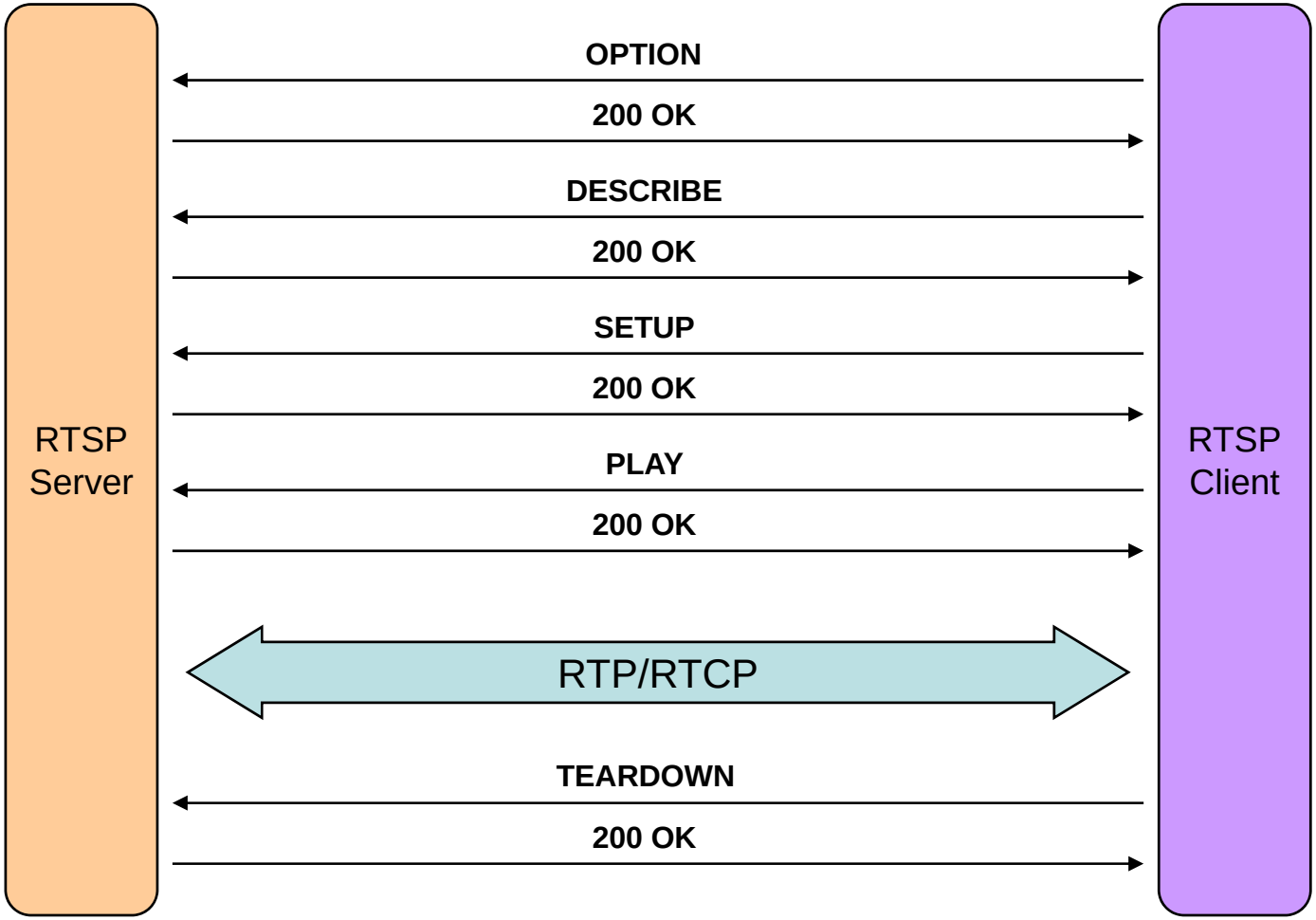
AP-SIC200 SD IP Camera

Small Scale Network DVR Solution (All in One)



Basic RTSP Message Flow

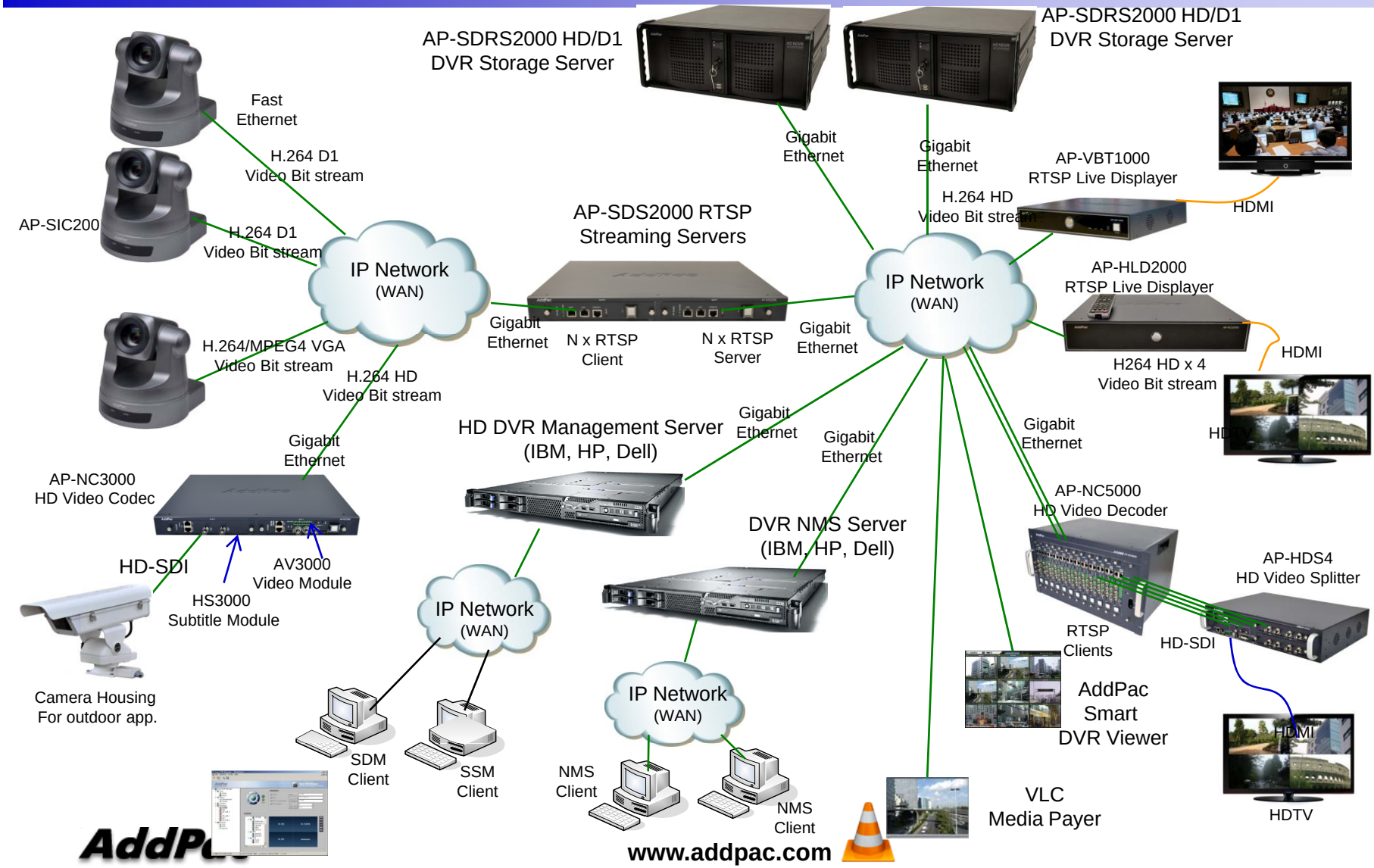
AP-SIC200 HD IP Camera



IP Camera Interworking

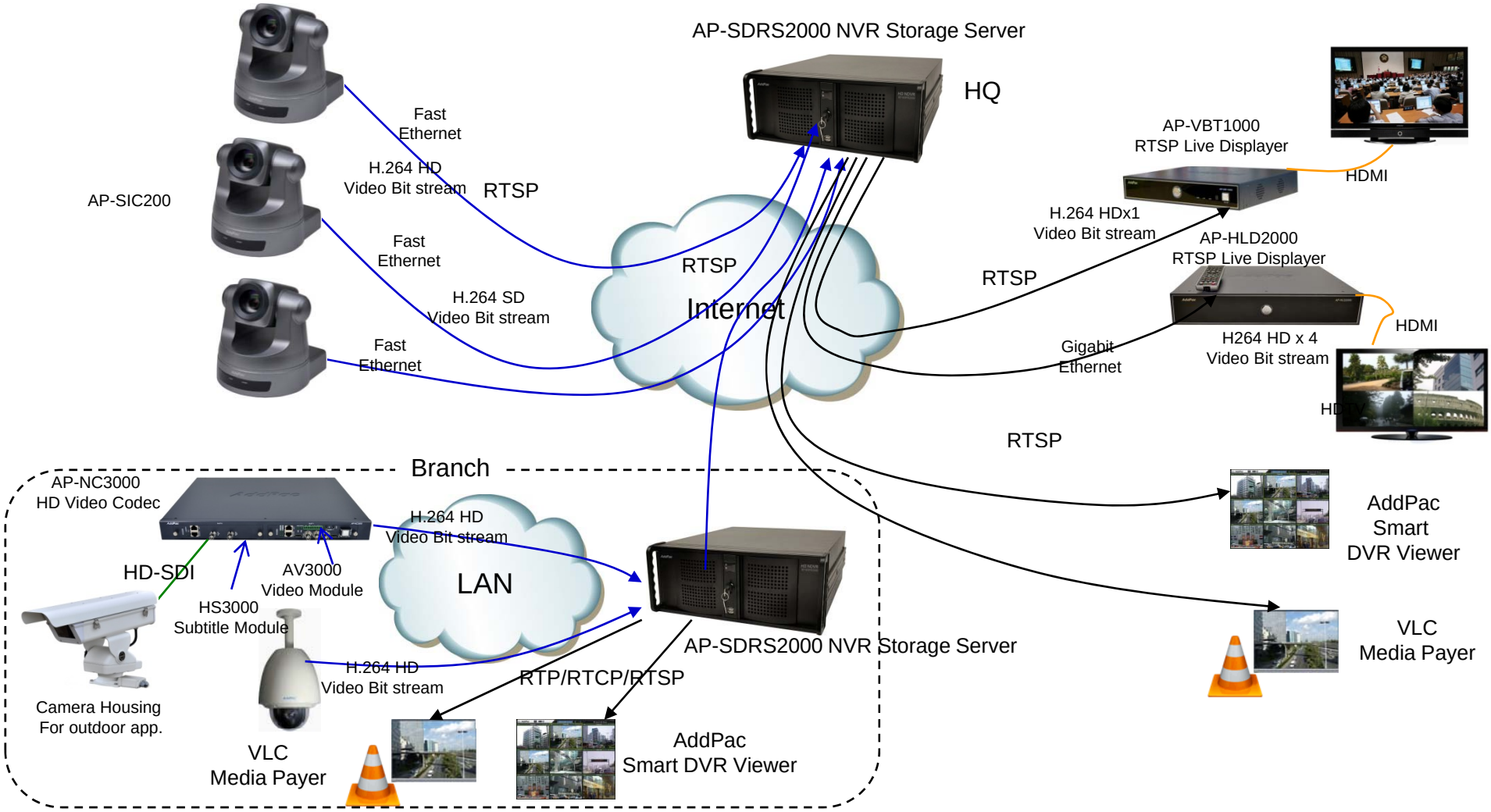
IP Camera Interworking Diagram (Large Scale)

AP-SIC200 SD IP Camera



IP Camera Interworking Diagram(Small Scale)

AP-SIC200 SD IP Camera



HD/D1 NVR Storage Solution Component Features

AP-SDRS2000
HD/D1 NVR Storage Server

Product Overview

AP-SDRS2000 HD NVR Storage Server

- High-Performance HD/D1 Network DVR Features
- Linux Operating System (Option : Window Version)
- H.264 Video Codec BP/MP/HP
- Full HD, HD, D1 Video Resolution Support
- 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, 2Tera Byte Support)
- One(1) DVD Writer for Video File Backup
- One(1) 10/100/1000Mbps Gigabit Ethernet Interface
- USB Interface Support (Front Side, Back Side)

Hardware Specification

AP-SDRS2000 HD NVR Storage Server

High End Processor

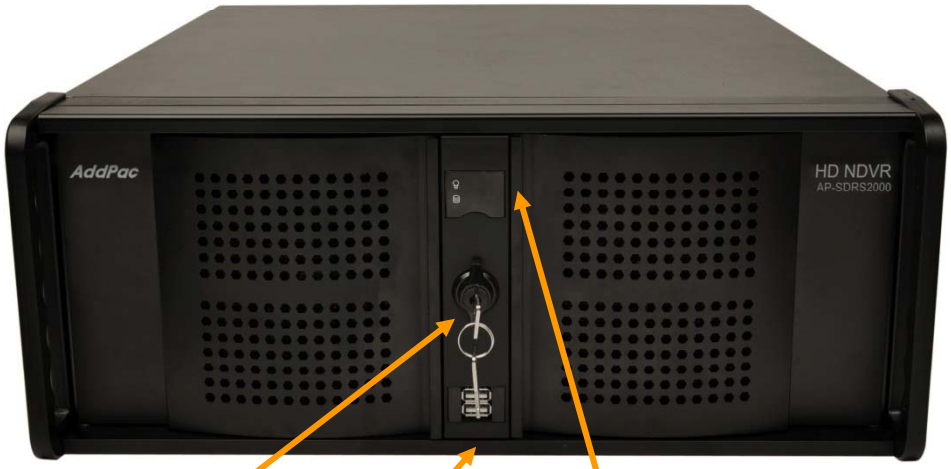
- High Performance Computing Power
- Main Chassis
  - Network Interface
    - One(1) 10/100/1000Mbps Fast Ethernet
  - Video Output Interface
    - HDMI, DVI,RGB Video Output
  - USB 2.0 Interfaces for Mouse, Keyboard, etc
  - One(1) DVD Writer for Video File Backup
  - Up to Four(4) Hard Disk

Hardware Specification

AP-SDRS2000 HD NVR Storage Server

High End Processor

AP-SDRS2000 Front Side



Cabinet Open Key

USB Interface

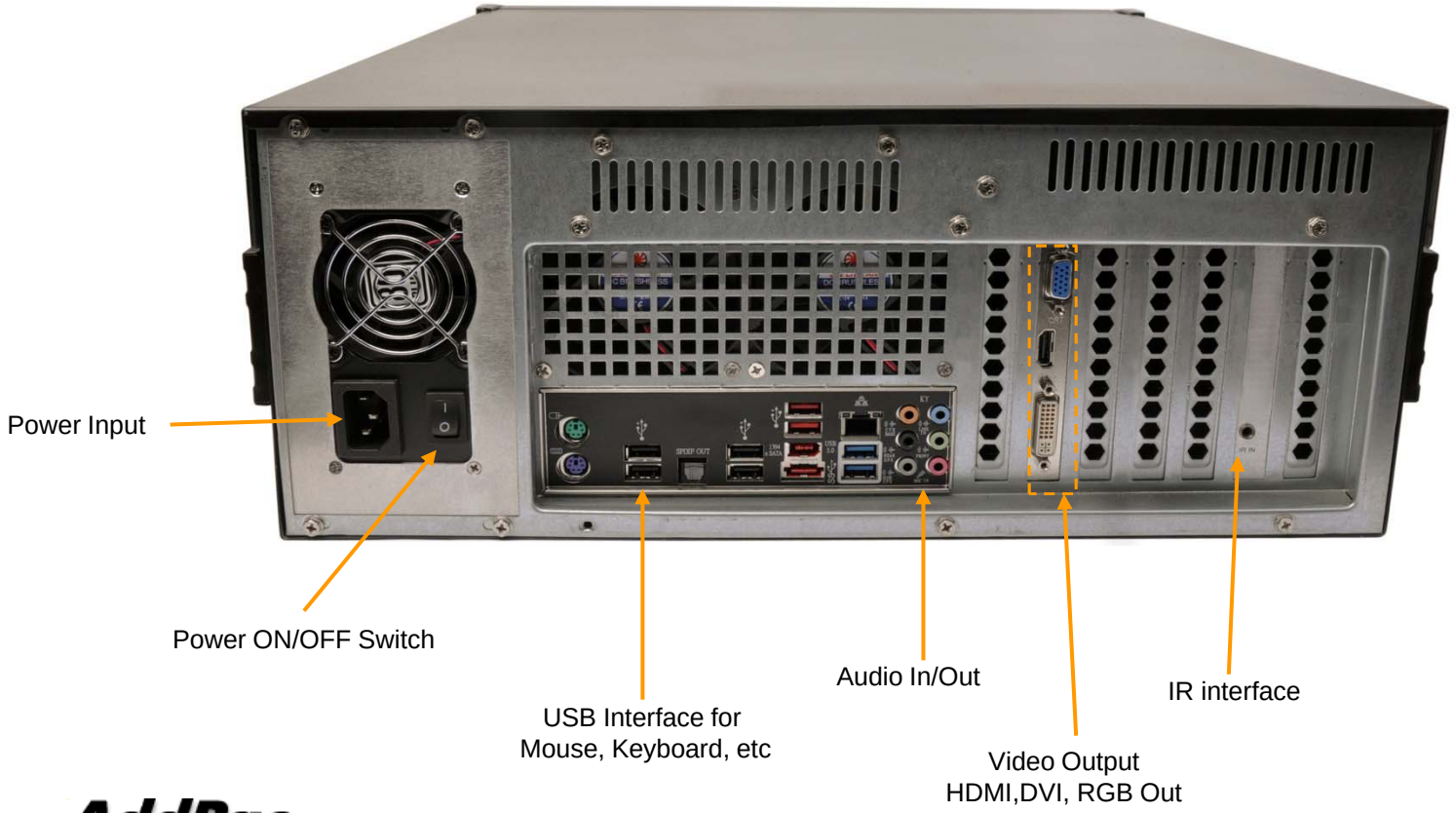
Power & HDD Access Indication LAMP

Hardware Specification

AP-SDRS2000 HD NVR Storage Server

High End Processor

AP-SDRS2000 Back Side



HD NVR Storage Server Features

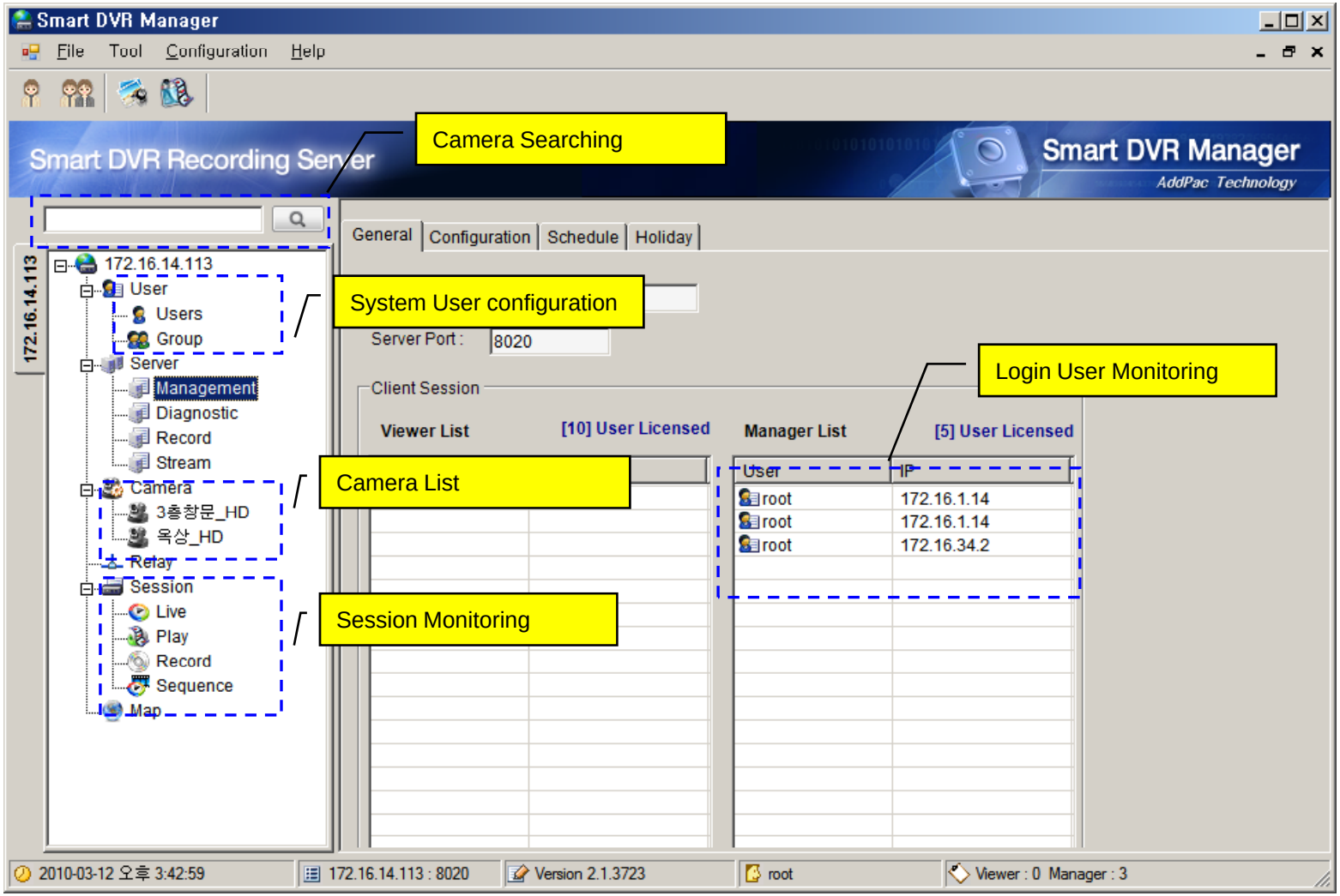
- Encoder / Decoder Interface
  - UDP/RTP
  - RTSP (Real Time Streaming Protocol)
- Recording
  - Manual Recording
  - Schedule Based Recording
  - Recording Monitoring
  - Recording Media File Maintenance
- Management
  - Web Based Management
  - Smart DVR Manager (SDM)
  - SNMP (Simple Network Management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

Smart DVR Manager

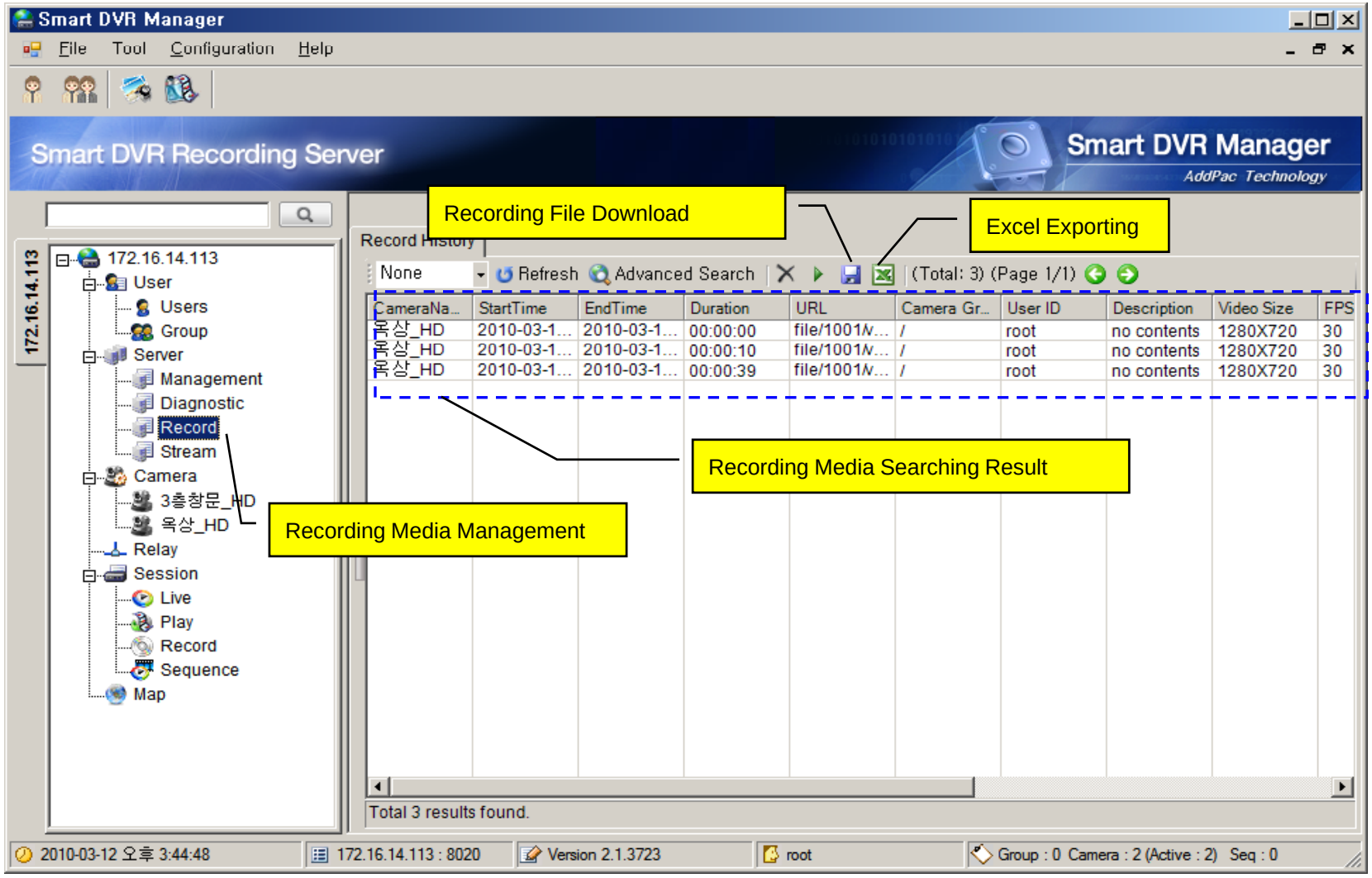
Smart DVR Manager Features

- System Management
  - User, Group Management
  - Camera Management
  - Schedule Management
- Recording
  - Recording Start/Stop
  - Recording Media File Searching and Maintenance
  - File Download and Excel Exporting
- Monitoring
  - System Resource Monitoring (CPU, Memory, HDD and etc)
  - Live Session Monitoring
  - Media File Play Session Monitoring

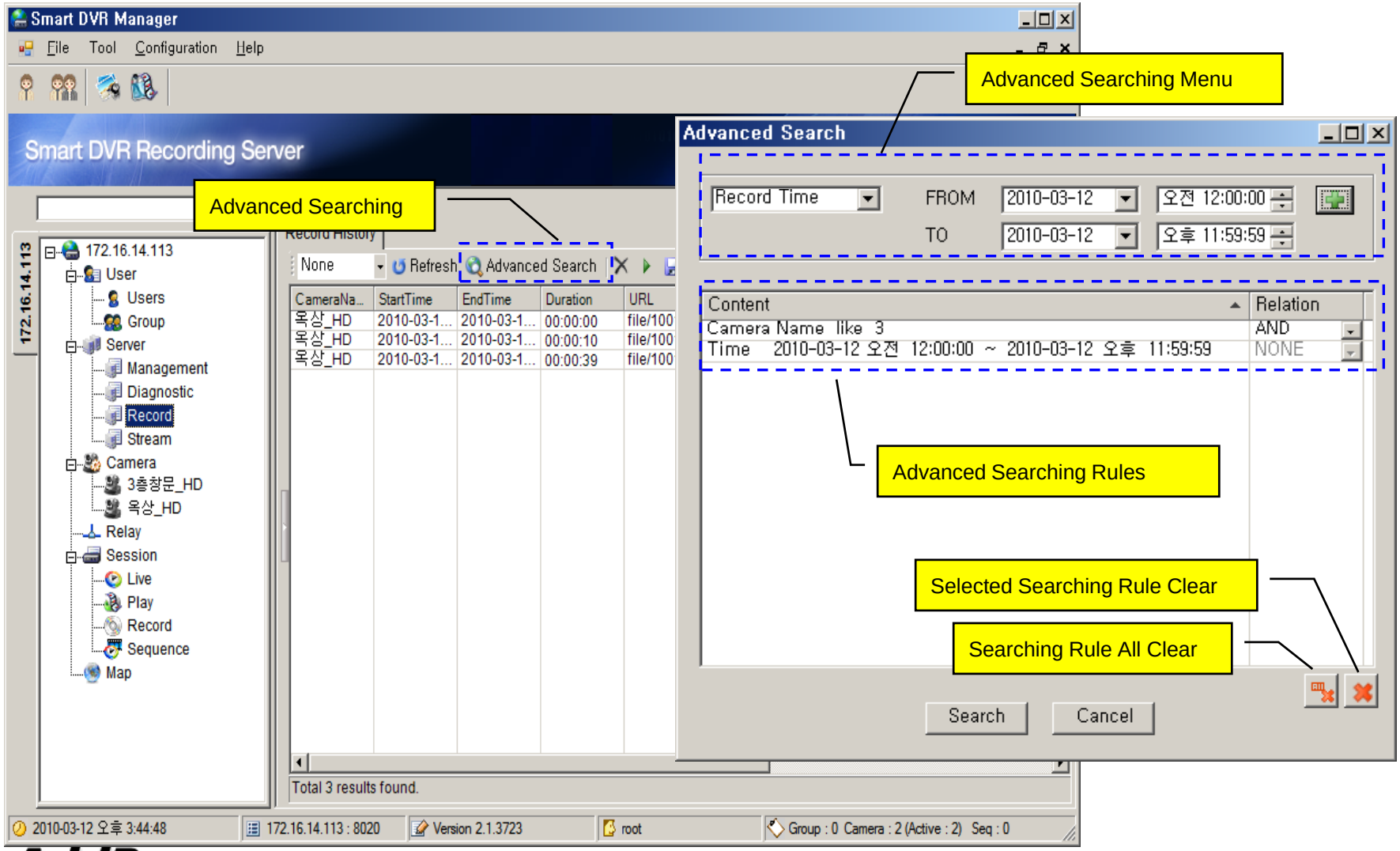
Smart DVR Manager : Main Layout



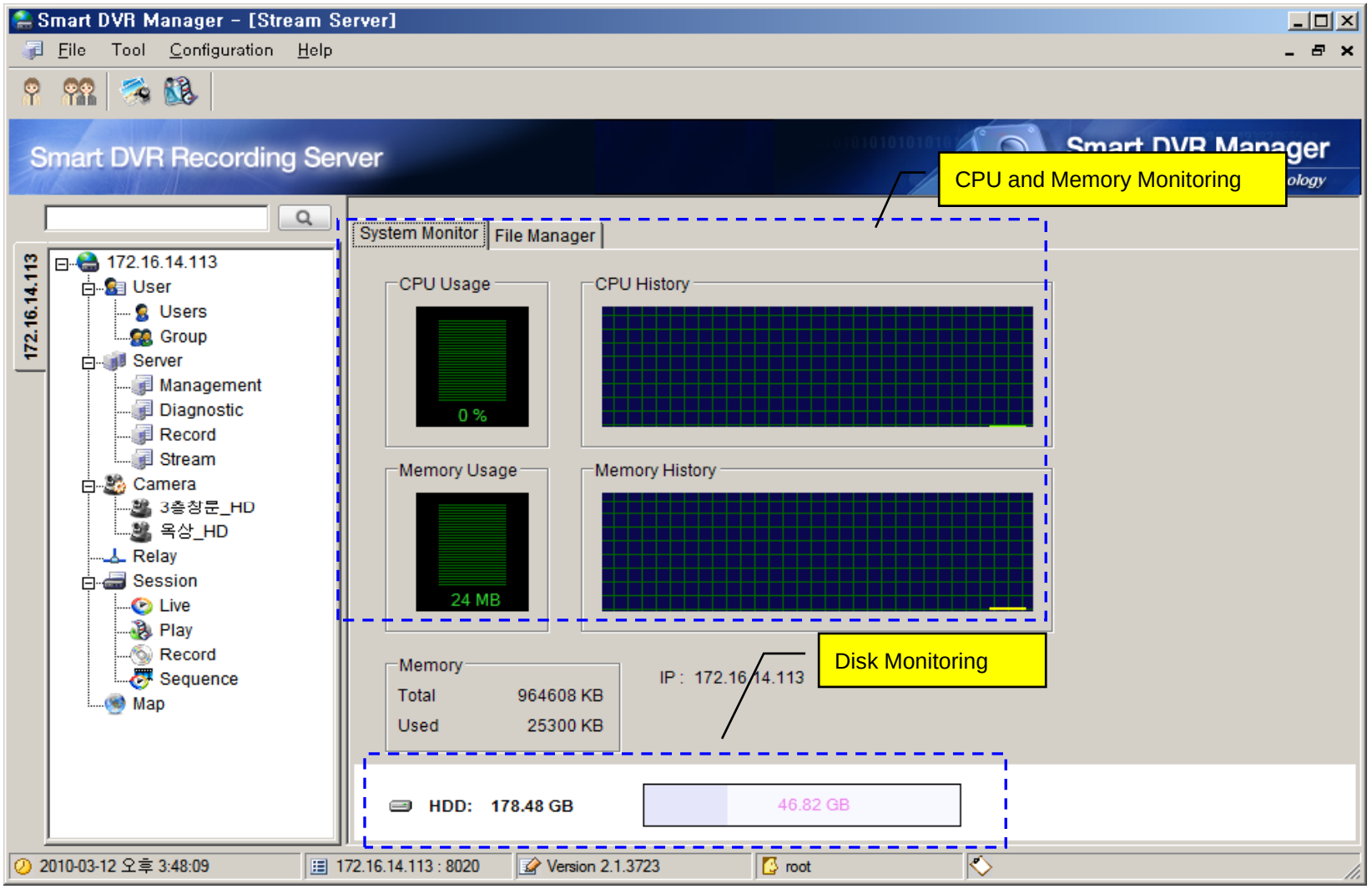
Smart DVR Manager : Recording File Searching



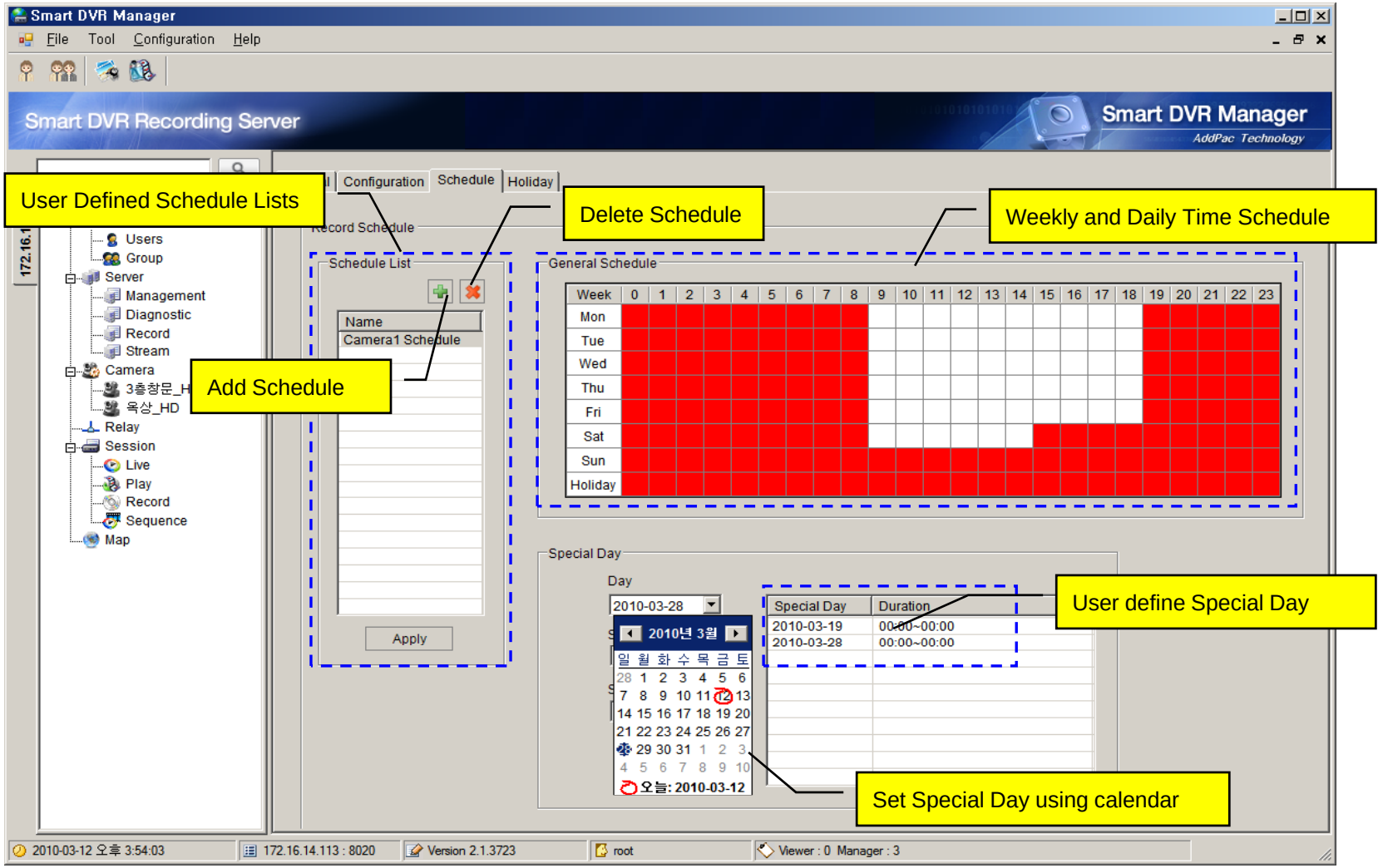
Smart DVR Manager : Advanced Recording Searching



Smart DVR Manager : System Monitoring



Smart DVR Manager : Schedule



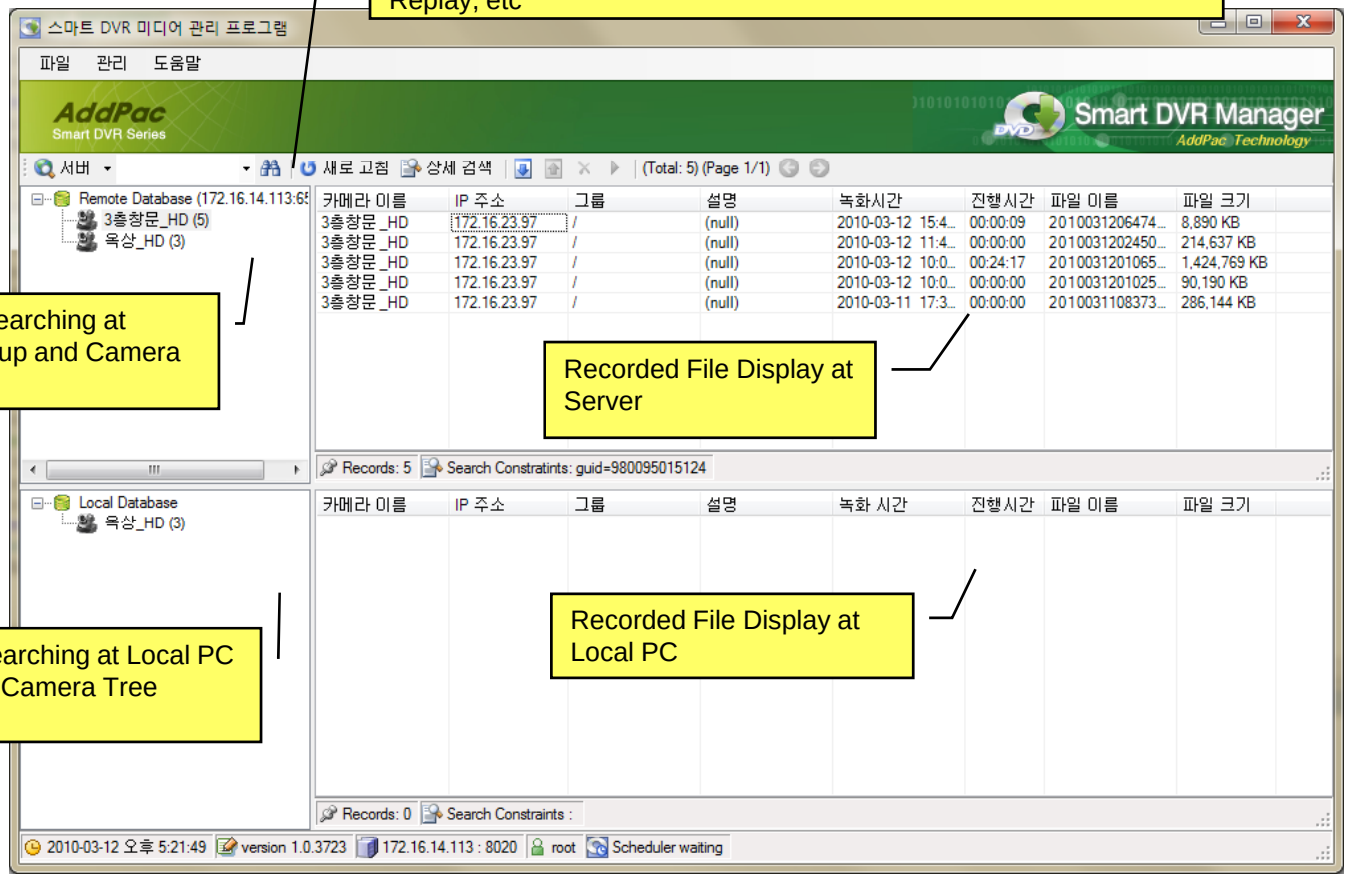
Smart DVR Media Manager

Smart DVR Media Manager Features

- Recording History Searching
- Recording History Management
- Recording File Upload / Download
- Play Recording Media File
- Schedule Backup
- Event History

Smart DVR Media Manager : Main Layout

*Searching and Download/Upload Function about selected Window
: Camera Search, Update, File Searching, Download/Upload, Delete, Replay, etc



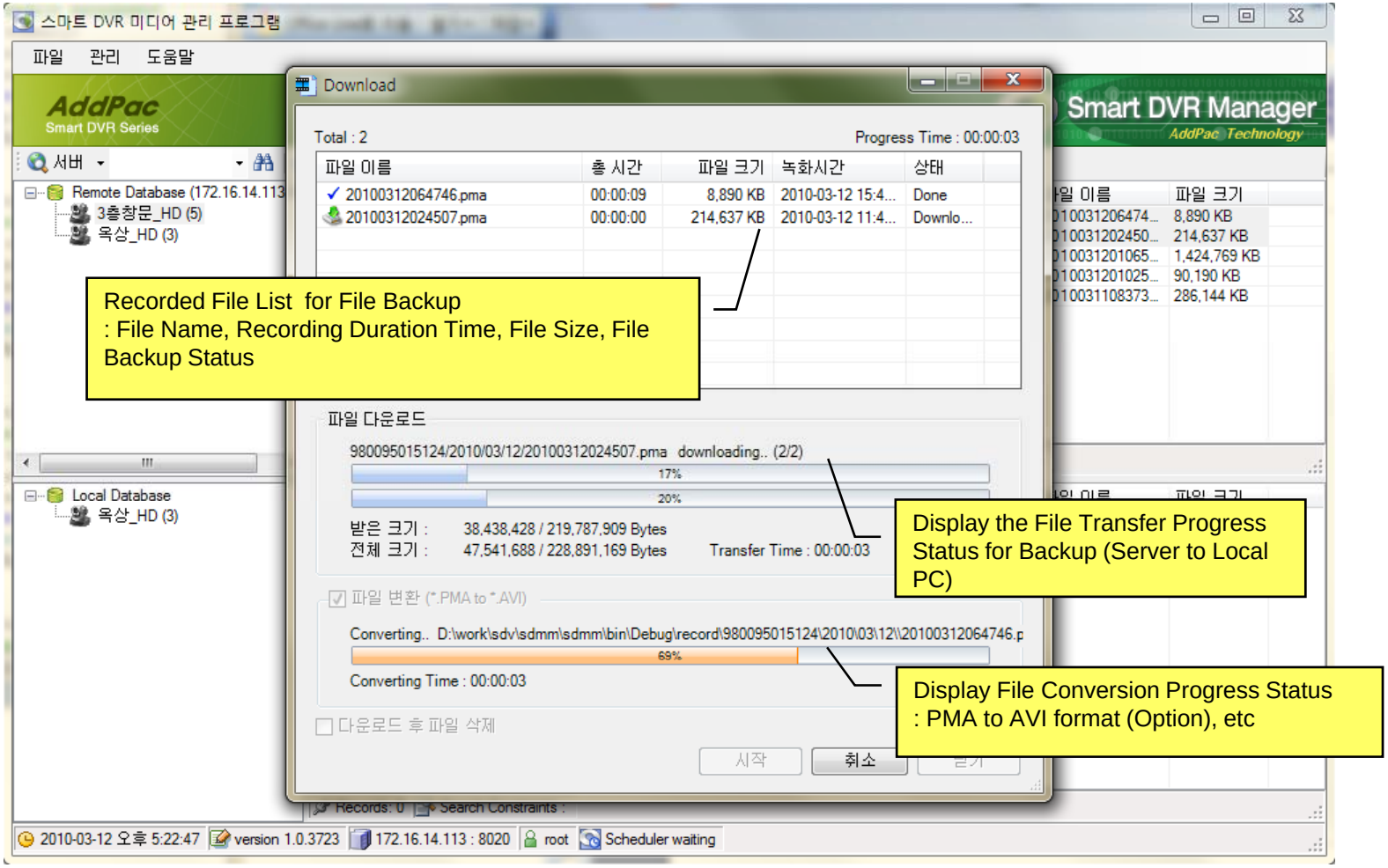
Recorded File Searching at Server using Group and Camera Tree

Recorded File Display at Server

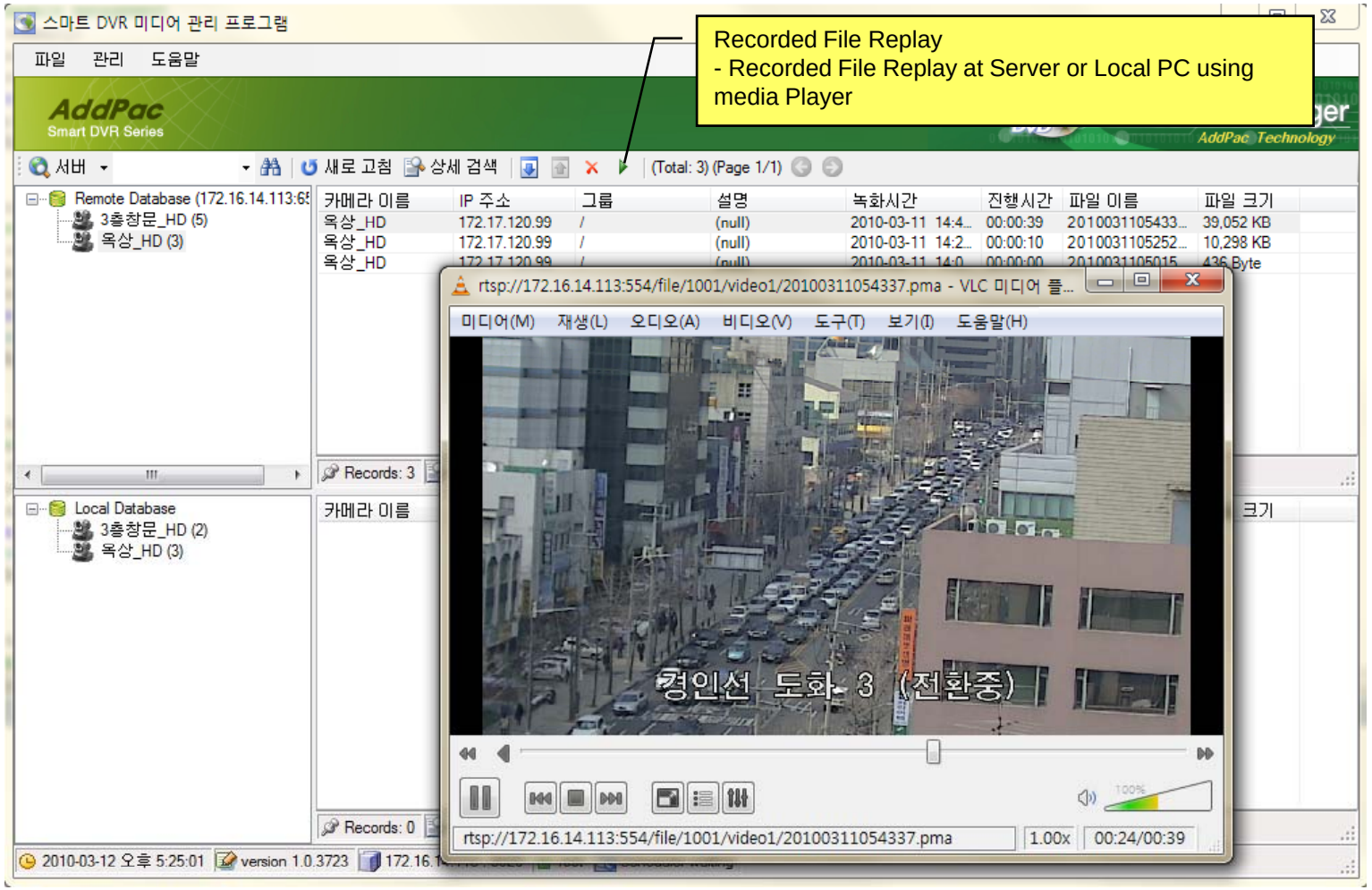
Recorded File Searching at Local PC using Group and Camera Tree

Recorded File Display at Local PC

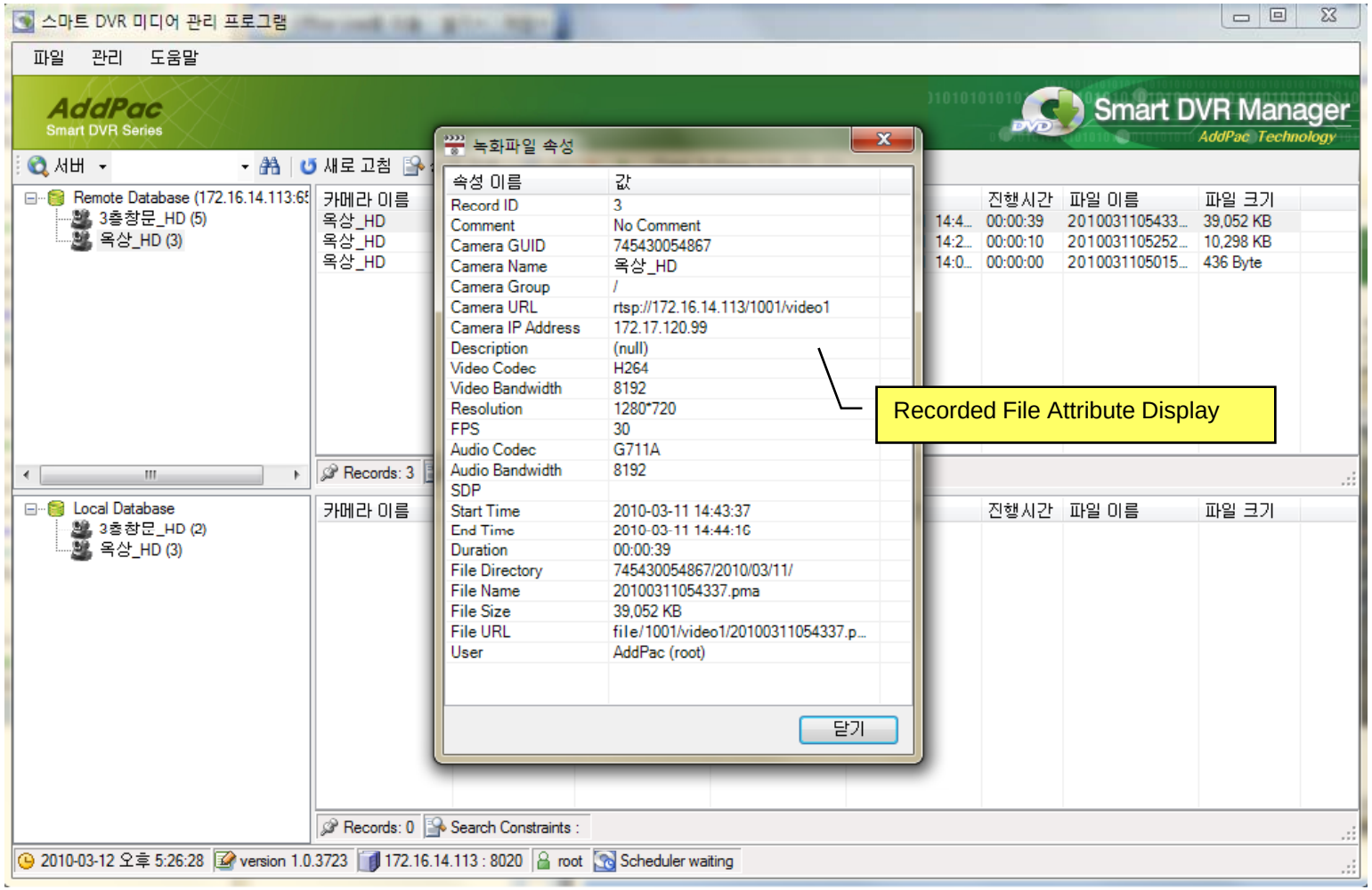
Smart DVR Media Manager : Recorded File Upload / Download



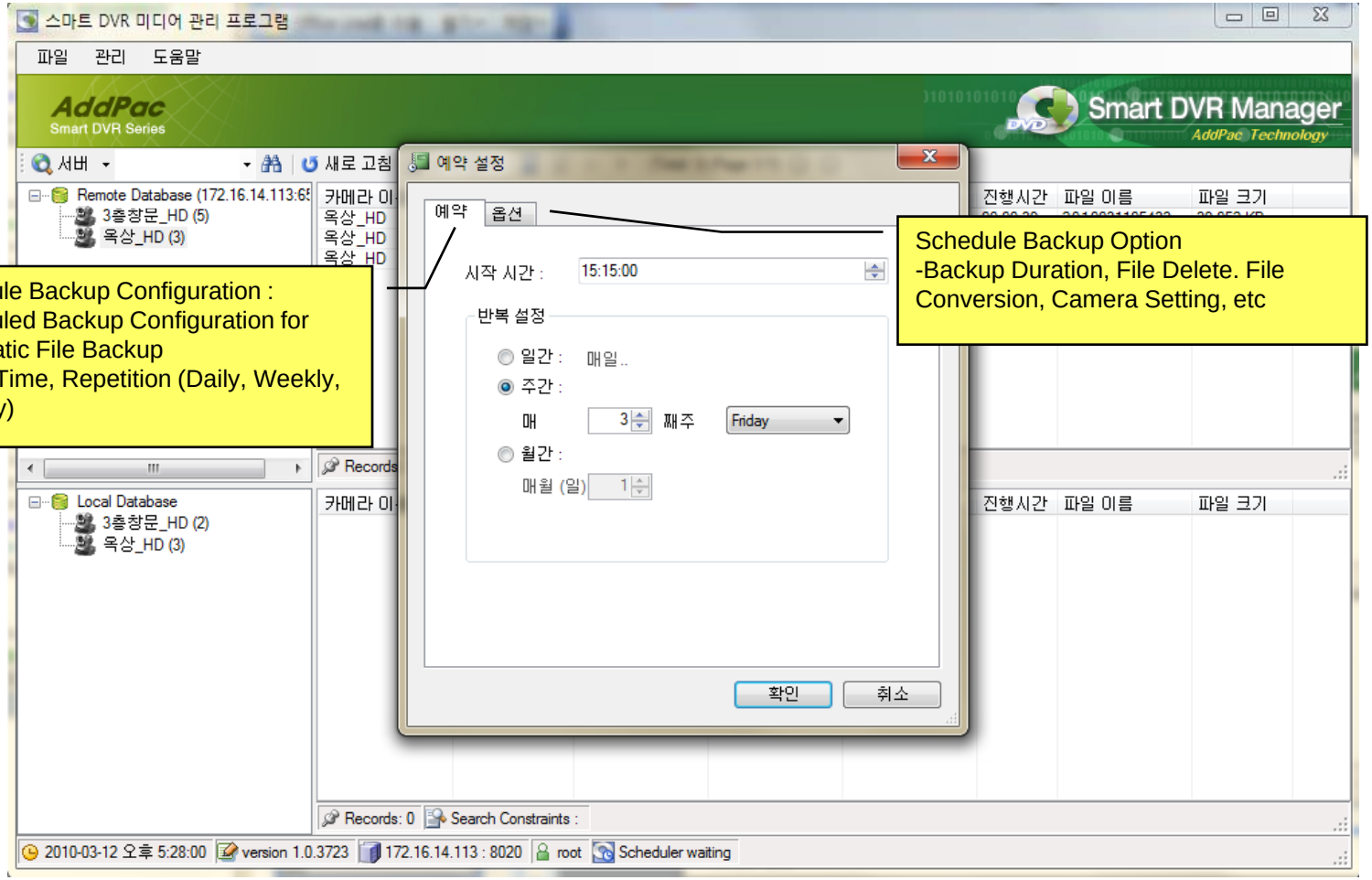
Smart DVR Media Manager : Media Replay



Smart DVR Media Manager : Media File Attribute



Smart DVR Media Manager : Schedule



Ordering Information

- AP-SIC300 SD IP Camera Hardware
  - AP-SIC300 Main Body
  - Including Network Cable Set & Power Supply Cable, etc.
- Built-in APOS Internetworking Software for AP-SIC300
- 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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