# AP-HIBC100™ HD IP Box Camera

High-performance Network DVR Solution

#### **Preliminary Product Overview**

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





**AddPac Technology** 

2012, Sales and Marketing

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- Product Highlight
- Hardware Specification
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#### **Product Overview**

#### AP-HIBC100 HD IP Box Camera

- High-End Programmable DSP Hardware Architecture
- High-Performance HD IP Camera Features
- High Quality H.264 High Profile Video Encoder Support
- 1.3 Mega Pixel CCD Sensor
- Up to 720P(1280 x 720) Resolution, Various Video Resolution Support
- CS Mount Interface
- RTSP Streaming Service Protocol Support
- Dual Video Encoding (ex: 720P, D1) Support
- Powerful Management and User Friendly Features
- Smart Web Manager Support
- 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



# Product Highlights

AP-HIBC100 HD IP Box Camera

Next Generation
HD IP Box Camera

Embedded System for Stability

Up to HD 720P(1280 x 720) Video Resolution

Firmware Upgradeable Architecture

APOS<sup>™</sup>Technology Multimedia Network Protocol

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



High Quality H.264 Video Encoder Features

1.3Mega Pixel CCD Camera Sensor

**CS Mount** 

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

RTSP Streaming
Protocol Support for NVR Service



#### AP-HIBC100 HD IP Box Camera

- RISC + Video Processor Computing Power
- Main Chassis
  - Network Interface
    - One(1) 10/100Mbps Fast Ethernet
    - One(1)-Port RS485 Interface
  - Audio Interface
    - One(1) Audio 3.5mm Input/Output Channel
    - Two-Way
  - CVBS Video Out Interface
  - Camera Features
    - Up to 720P(1280x720) Resolution
    - 1/3Inch CCD Camera Sensor
    - 1.3 Mega Pixel
  - I/O Interface
    - 2 Alarm Input, 1 Relay
  - Power
    - External DC12V Power Supply
    - PoE(Power over Ethernet) Support







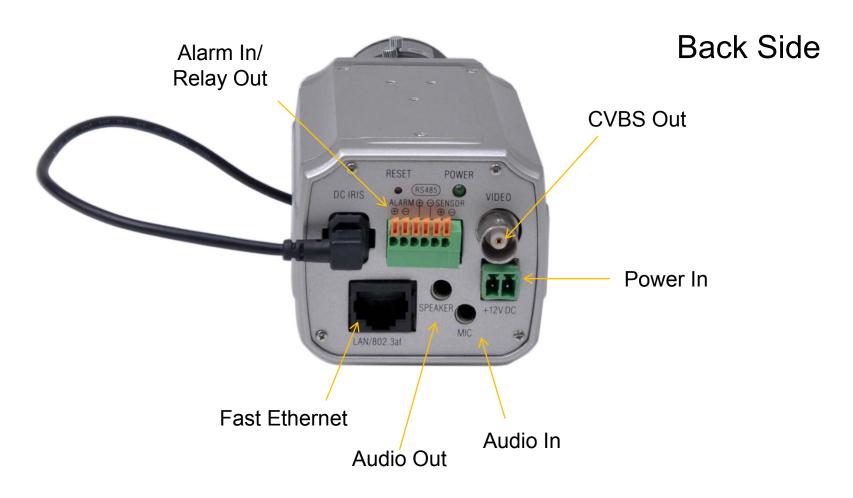
AP-HIBC100 HD IP Box Camera



#### Front Side



AP-HIBC100 HD IP Box Camera





#### Software Service

#### AP-HIBC100 HD IP Box Camera

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









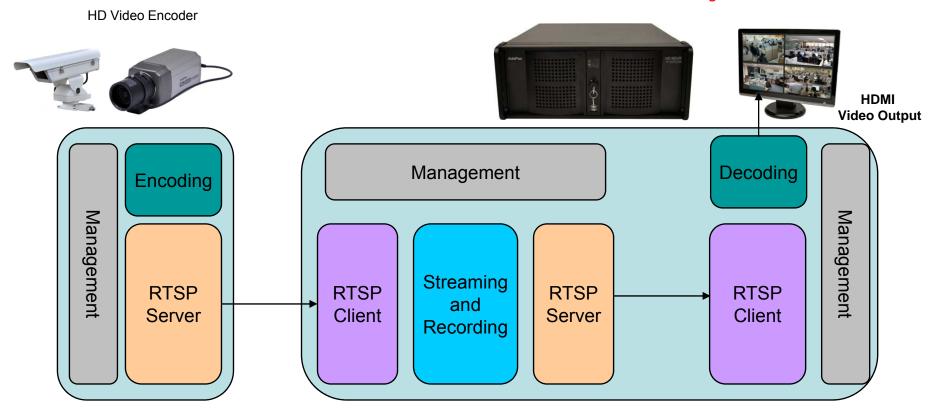


# NVR Storage Server Protocol Block Diagram

AP-HIBC100 HD IP Box Camera

#### Small Scale Network DVR Solution (All in One)

AP-HNR104 Network DVR Storage Server



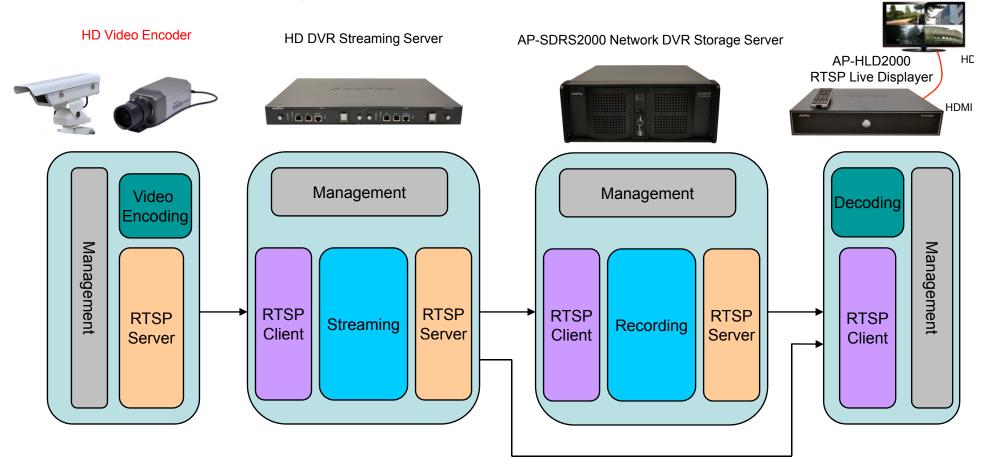


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# NVR Storage Server Protocol Block Diagram

AP-HIBC100 HD IP Box Camera

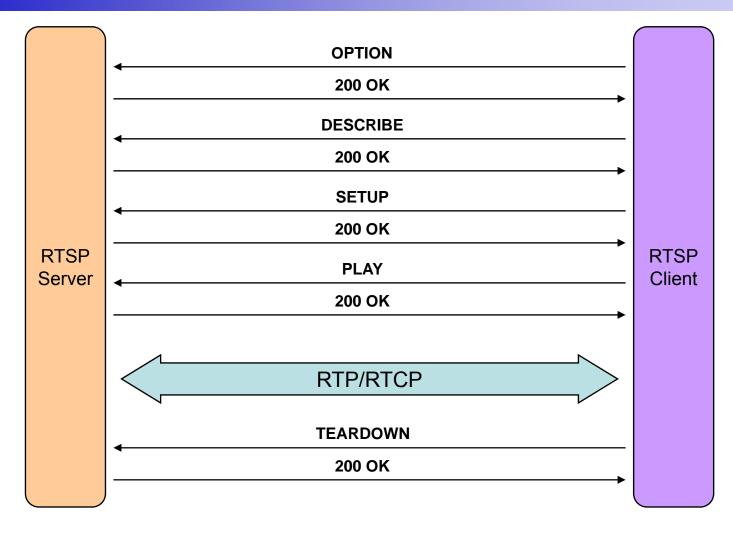
#### Medium & Large Scale Network DVR Solution





# Basic RTSP Message Flow

AP-HIBC100 HD IP Box Camera



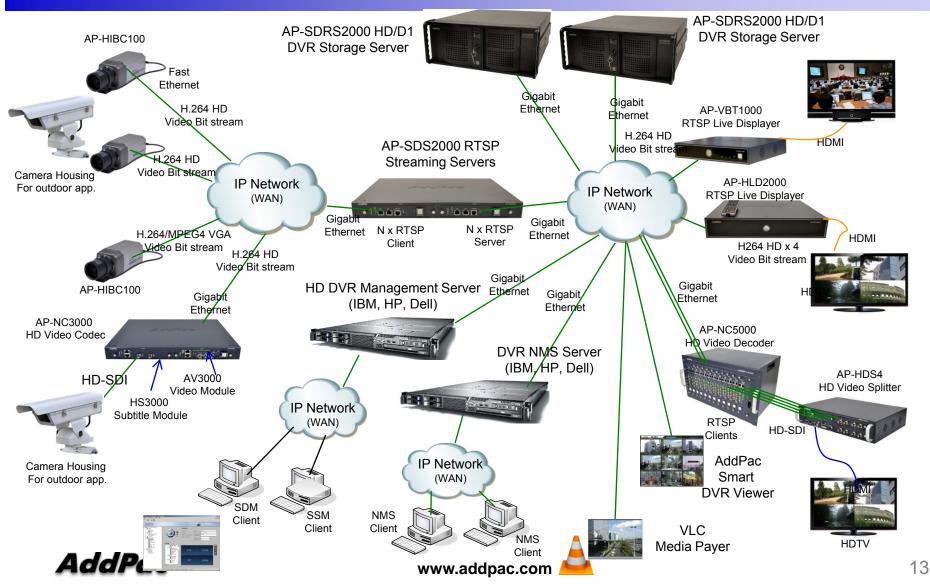


# IP Camera Interworking



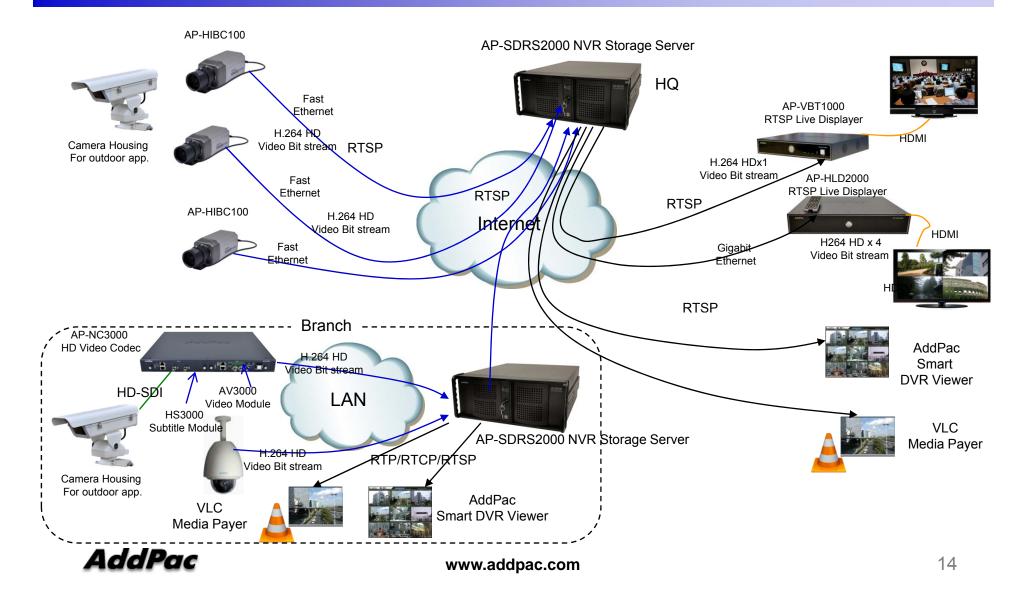
# IP Camera Interworking Diagram (Large Scale)

#### AP-HIBC100 HD IP Box Camera



## IP Camera Interworking Diagram(Small Scale)

AP-HIBC100 HD IP Box Camera



# HD NVR Storage Solution Component Features



# AP-HNR1004 HD Standalone Network DVR



#### **Product Overview**

#### AP-HNR1004 HD Standalone Network DVR

- High-Performance HD Standalone Network DVR Features
- H.264 Video Codec BP/MP/HP
- HD, D1 Video Resolution Support
- Video Out : HDMI, DVI, RGB Interface
- HD Video Recording and Streaming Service
- Smart DVR Viewer Support (MS-Window S/W)
- Smart DVR Manager Support (MS-Window S/W)
- File Back Manager Support (MS-Window S/W)
- Powerful Management and User Friendly Features
- High-performance Audio and Video Service
- Firmware Upgradeable Architecture
- Up to 4 x 3.5Inch Hard Disk (SATA Type)
- One(1) DVD Writer for Video File Backup
- One(1) 10/100/1000Mbps Gigabit Ethernet Interface
- USB Interface Support (Front Side, Back Side)



AP-HNR1004 HD Standalone Network DVR

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
  - IR Input port for Remote Control
  - Up to Four(4) Hard Disk

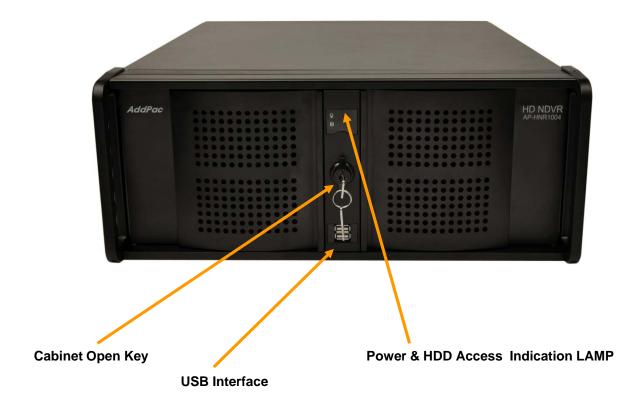




AP-HNR1004 HD Standalone Network DVR

High End Processor

#### AP-HNR1004 Front Side

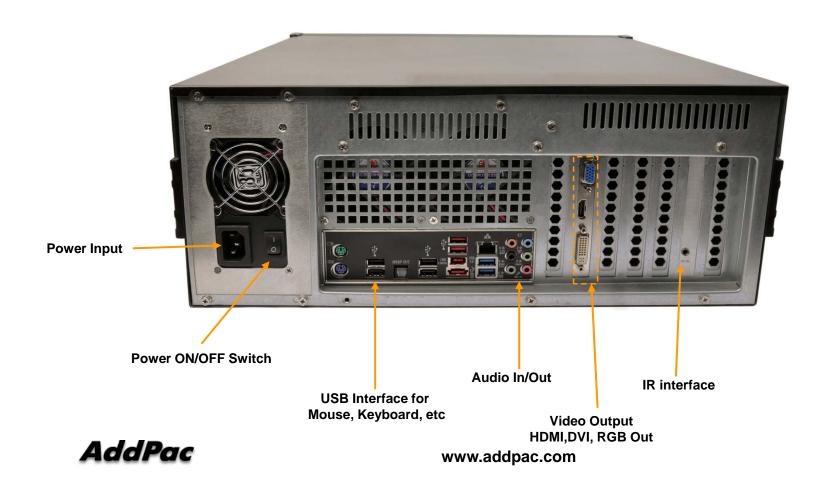




AP-HNR1004 HD Standalone Network DVR

High End Processor

#### AP-HNR1004 Back Side



# AP-SDRS2000 HD 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)



AP-SDRS2000 HD NVR Storage Server



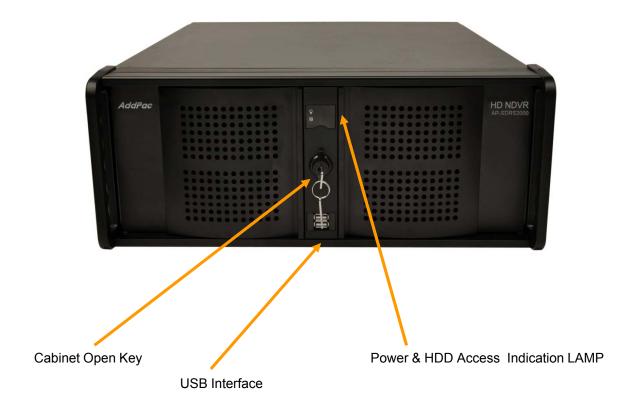
- High Performance Computing Power
- Main Chassis
  - Network Interface
    - One(1) 10/100/1000Mbps Fast Ethernet
  - Video Output Interface
    - HDMI, DVI,RGB Video Output
  - USB 2.0 Interfaces for Mouse, Keyboard, etc
  - One(1) DVD Writer for Video File Backup
  - Up to Four(4) Hard Disk



AP-SDRS2000 HD NVR Storage Server



#### AP-SDRS2000 Front Side

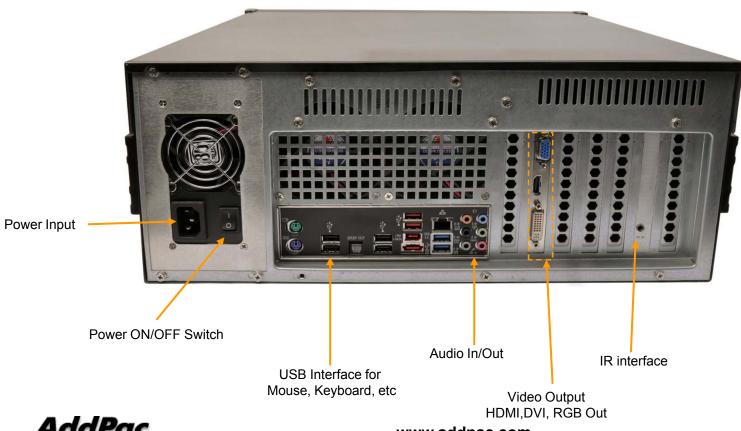




AP-SDRS2000 HD NVR Storage Server



#### 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)

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# Smart DVR Manager



# Smart DVR Manager Features

#### System Management

- User, Group Management
- Camera Management
- Schedule Management

#### Recording

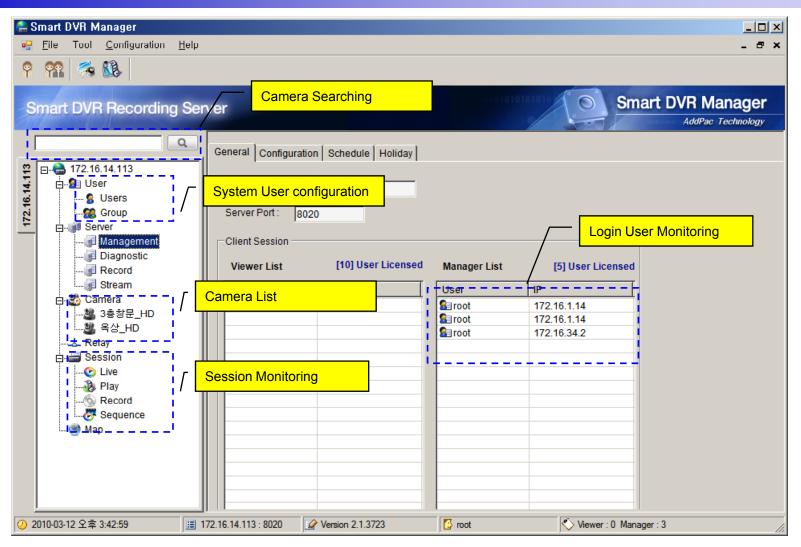
- Recording Start/Stop
- Recording Media File Searching and Maintenance
- File Download and Excel Exporting

#### Monitoring

- System Resource Monitoring (CPU, Memory, HDD and etc)
- Live Session Monitoring
- Media File Play Session Monitoring

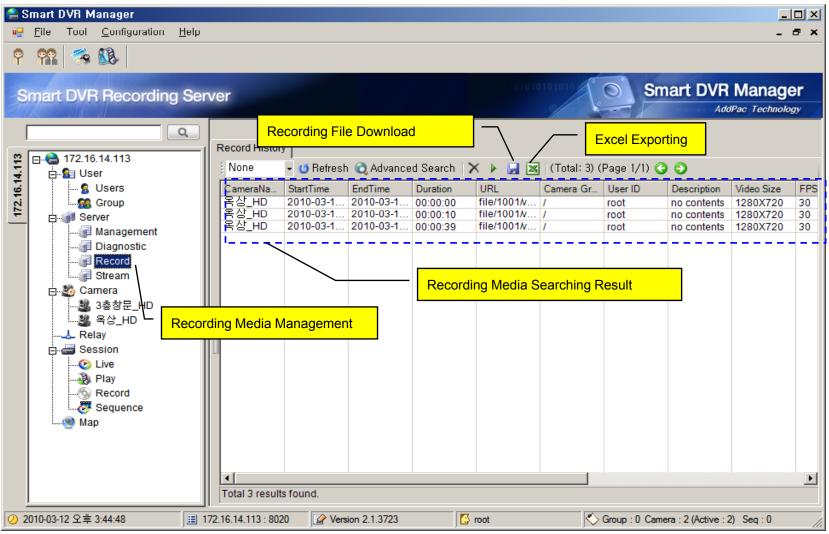


# Smart DVR Manager: Main Layout



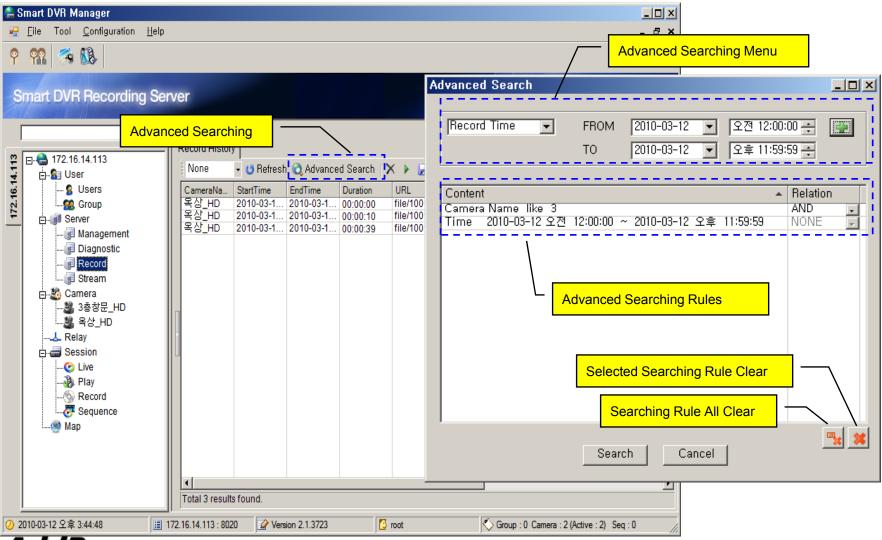


# Smart DVR Manager: Recording File Searching

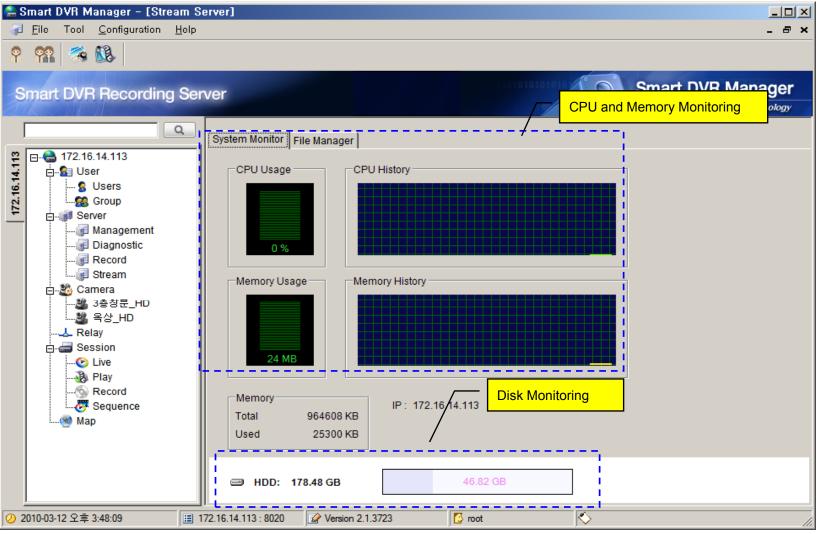




# Smart DVR Manager : Advanced Recording Searching

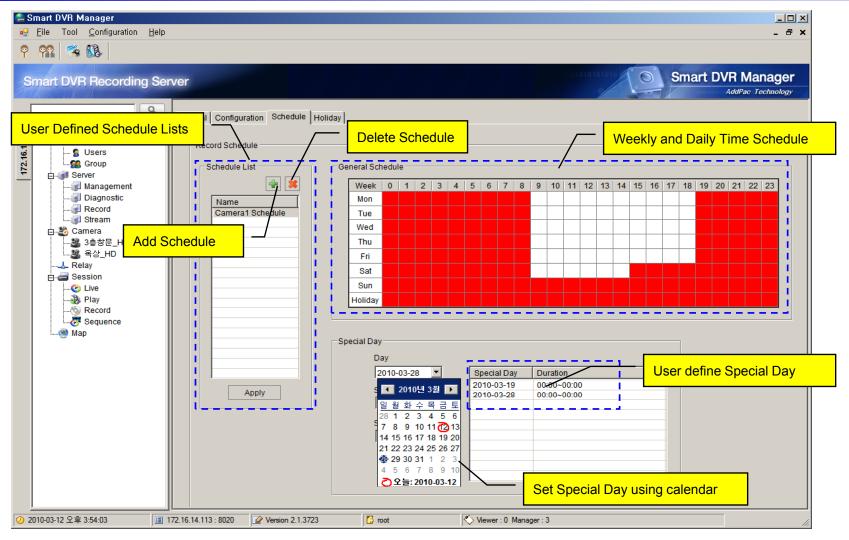


# Smart DVR Manager: System Monitoring





# Smart DVR Manager : Schedule





# Smart DVR Media Manager

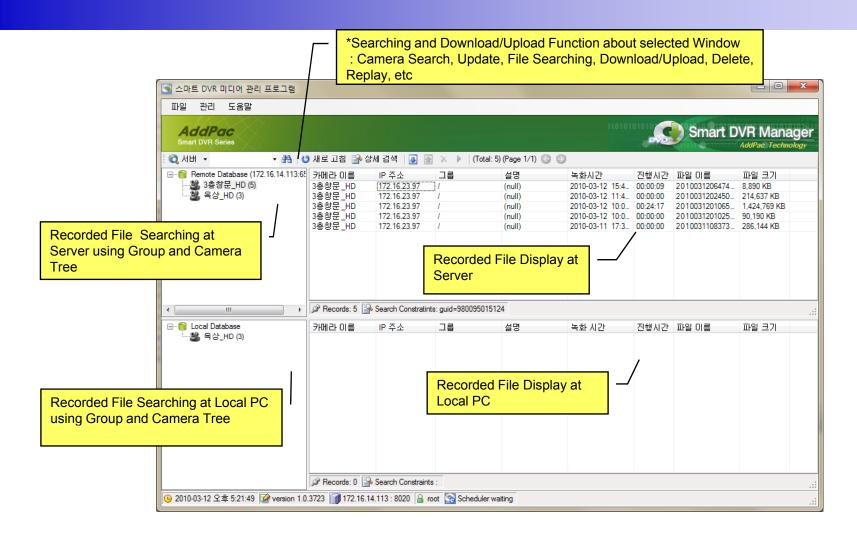


# Smart DVR Media Manager Features

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

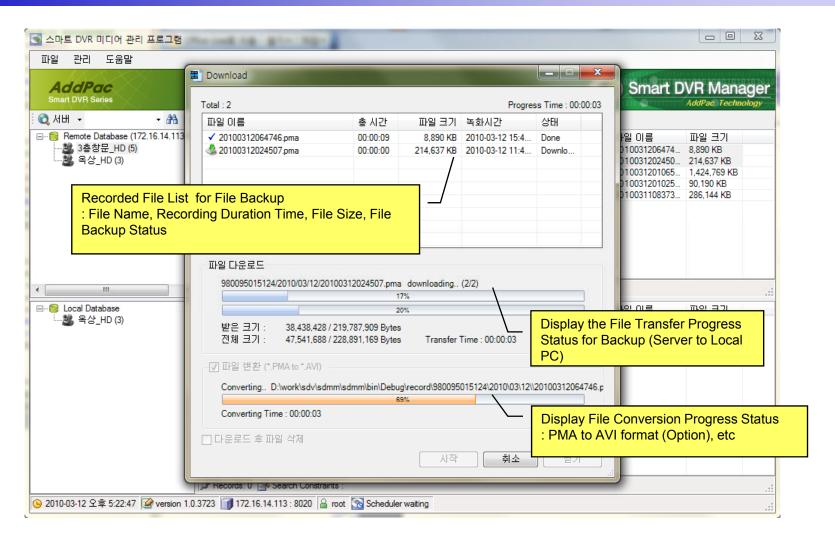


# Smart DVR Media Manager: Main Layout



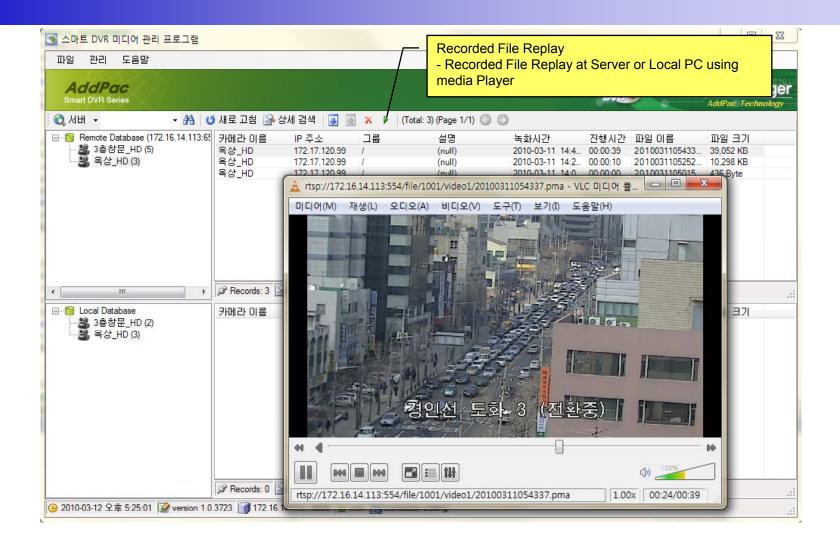


# Smart DVR Media Manager: Recorded File Upload / Download



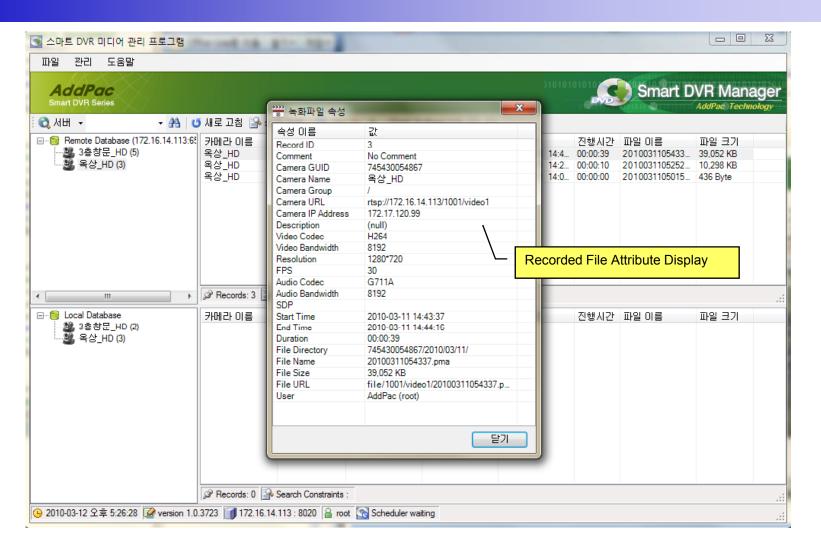


# Smart DVR Media Manager : Media Replay



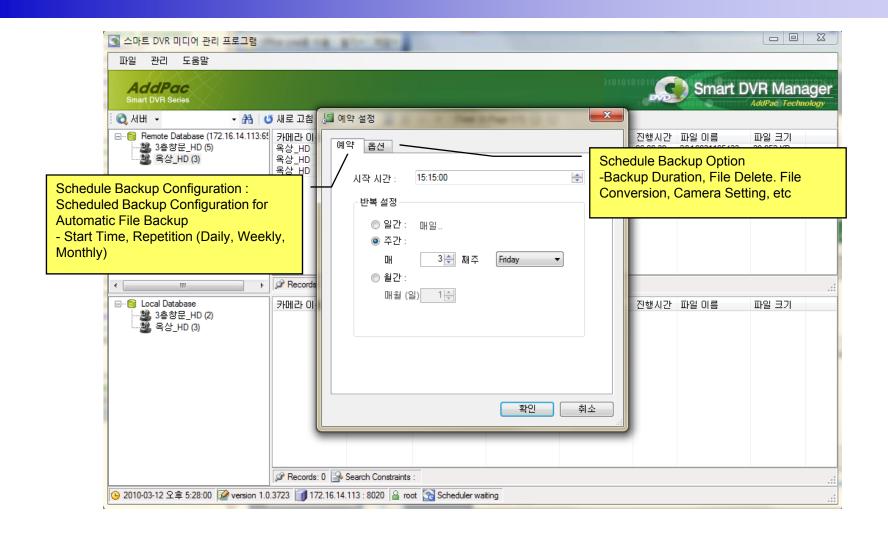


# Smart DVR Media Manager : Media File Attribute





# Smart DVR Media Manager : Schedule





### Ordering Information

- AP-HIBC100 HD IP Box Camera Hardware
  - AP-HIBC100 Main Body
  - Including Network Cable Set & Power Supply Cable, etc.
- Built-in APOS Internetworking Software for AP-HIBC100
- 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!

# AddPac Technology Co., Ltd. Sales and Marketing

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