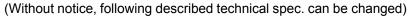
AP-HIBC100 HD IP Box Camera High-performance Network DVR Solution

Preliminary Product Overview







AddPac Technology

Sales and Marketing

Contents

- Product Overview
- Product Highlight
- Hardware Specification
- Software Service
- NVR Server Interworking
- RTSP Message Flow Diagram
- IP Camera Interworking Diagram
- Network DVR Components
- Application Service
- Ordering Information





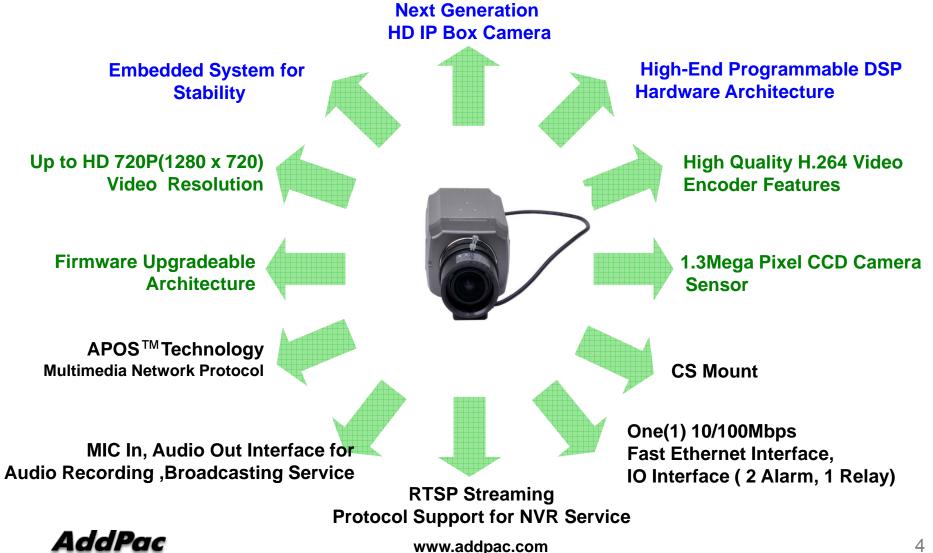


Product Overview

- 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

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Product Highlights



- 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





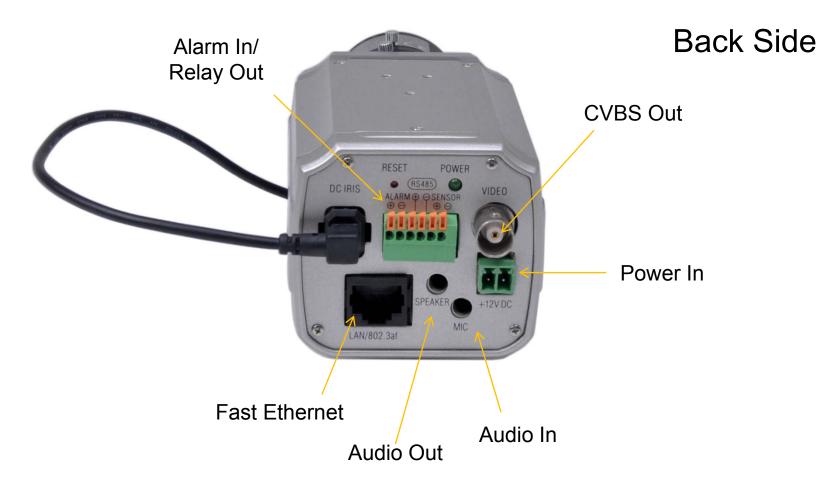


AP-HIBC100 HD IP Box Camera



Front Side

AP-HIBC100 HD IP Box Camera



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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



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APOS

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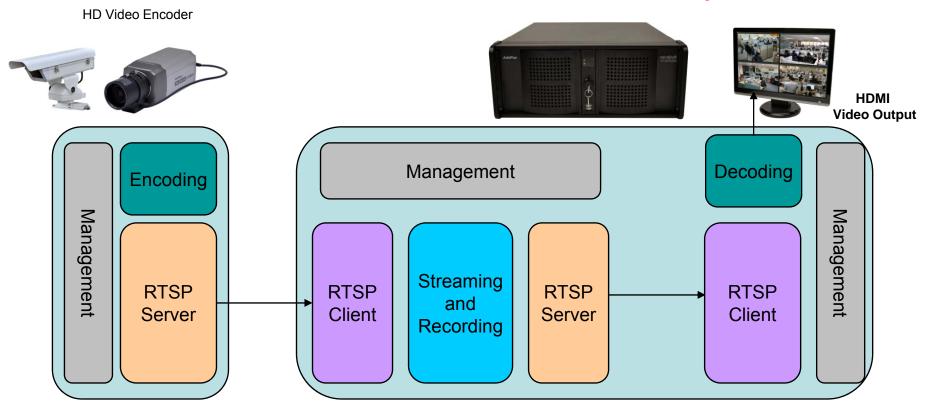
Smart DVR

Manager

NVR Storage Server Protocol Block Diagram

AP-HIBC100 HD IP Box Camera

Small Scale Network DVR Solution (All in One)



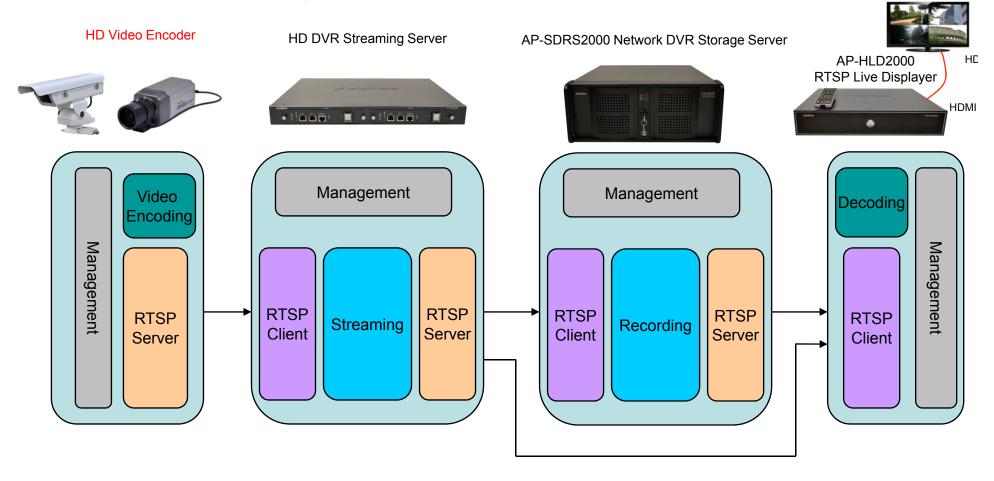
AP-HNR104 Network DVR Storage Server



NVR Storage Server Protocol Block Diagram

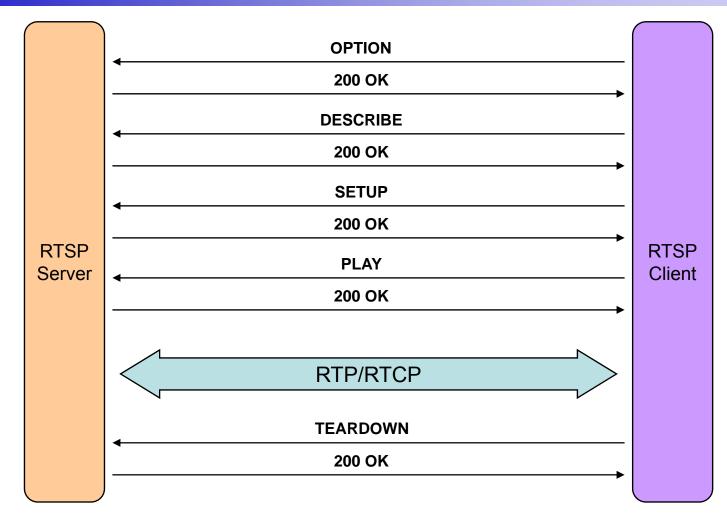
AP-HIBC100 HD IP Box Camera

Medium & Large Scale Network DVR Solution



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Basic RTSP Message Flow

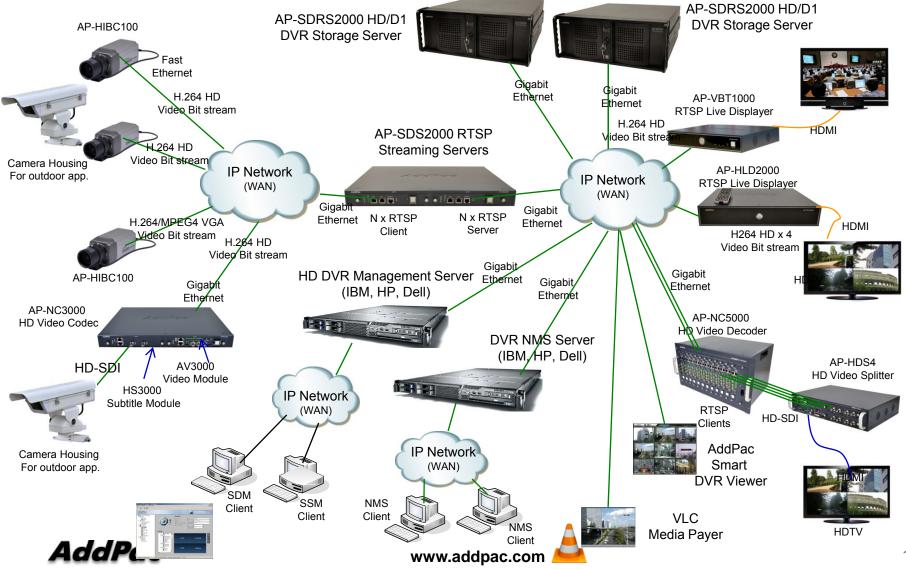




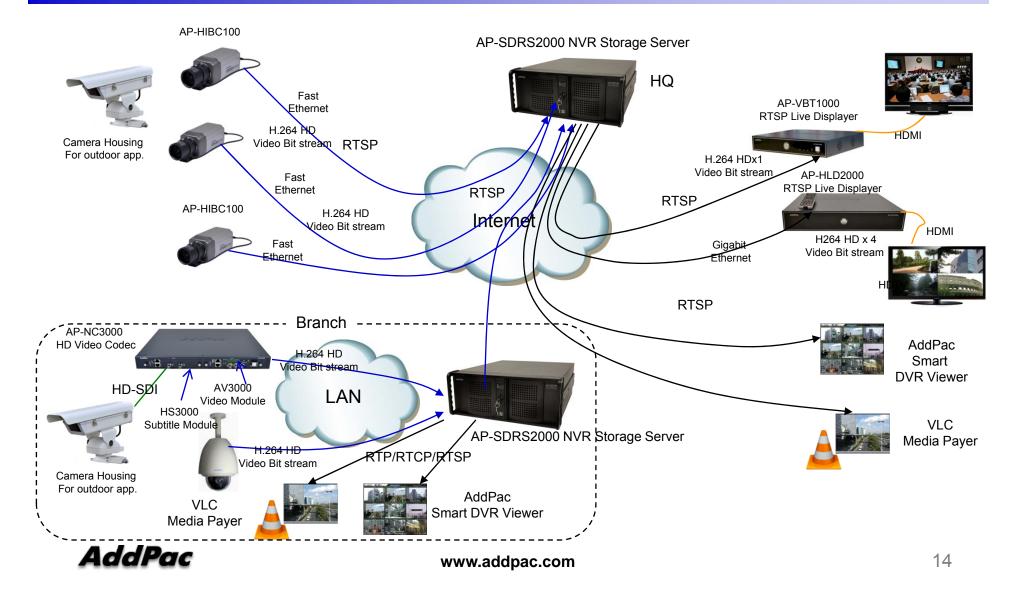
IP Camera Interworking



IP Camera Interworking Diagram (Large Scale)



IP Camera Interworking Diagram(Small Scale)



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 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

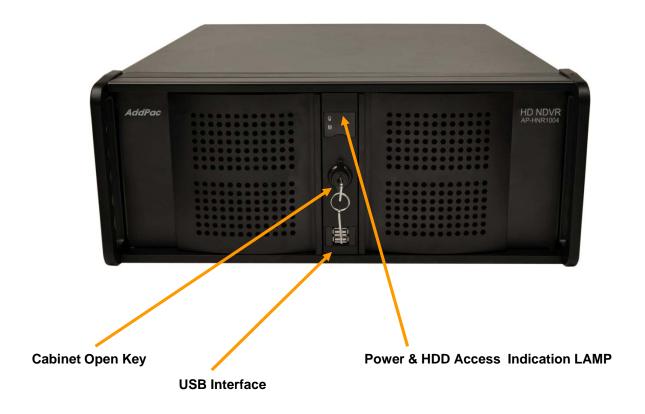




AP-HNR1004 HD Standalone Network DVR

High End Processor

AP-HNR1004 Front Side

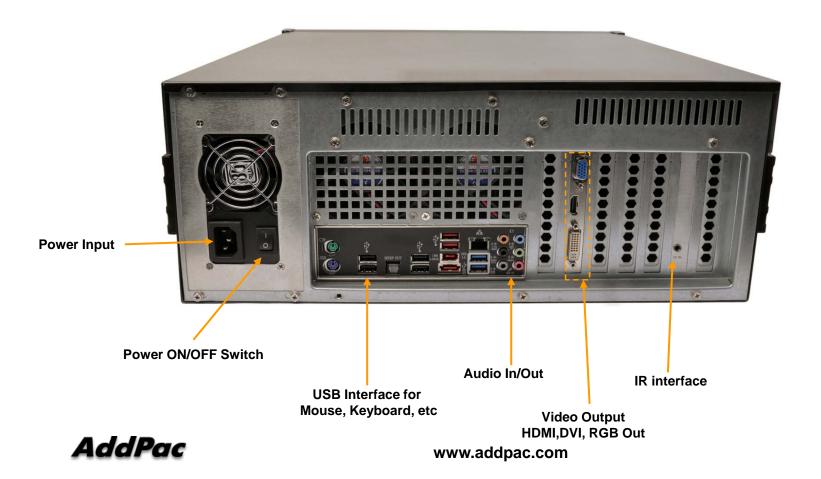


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AP-HNR1004 HD Standalone Network DVR

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

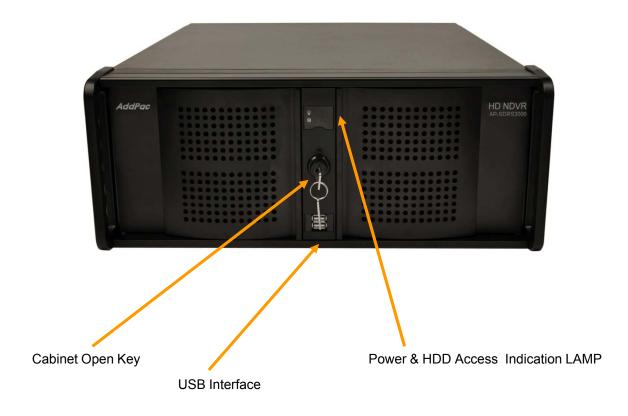
- High Performance Computing Power
- Main Chassis
 - Network Interface
 - One(1) 10/100/1000Mbps Fast Ethernet
 - Video Output Interface
 - HDMI, DVI, RGB Video Output
 - USB 2.0 Interfaces for Mouse, Keyboard, etc
 - One(1) DVD Writer for Video File Backup
 - Up to Four(4) Hard Disk



AP-SDRS2000 HD NVR Storage Server

High End Processor

AP-SDRS2000 Front Side

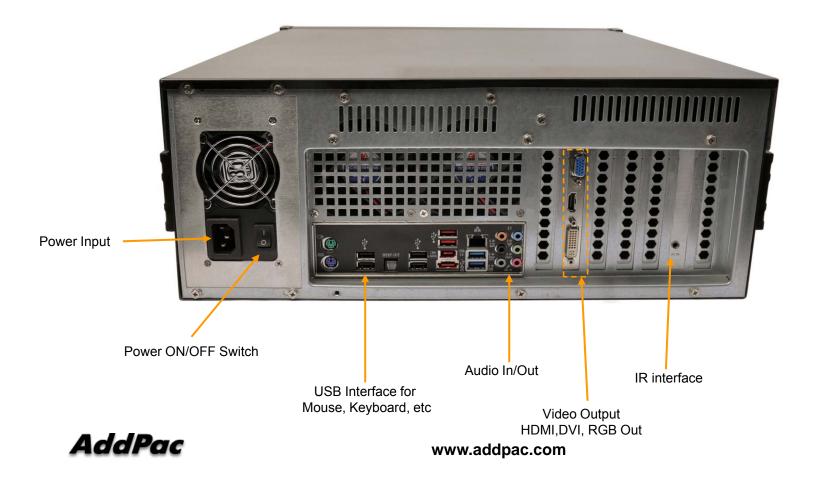


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AP-SDRS2000 HD NVR Storage Server

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

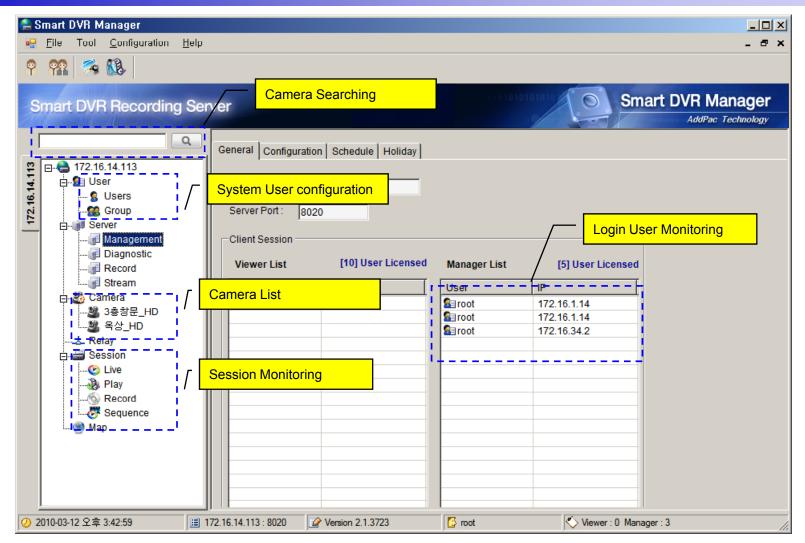


Smart DVR Manager Features

- 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

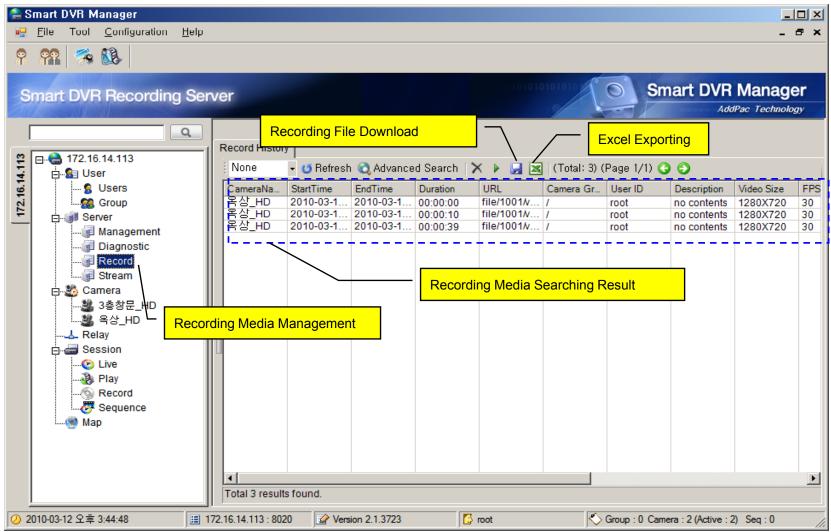


Smart DVR Manager : Main Layout





Smart DVR Manager : Recording File Searching



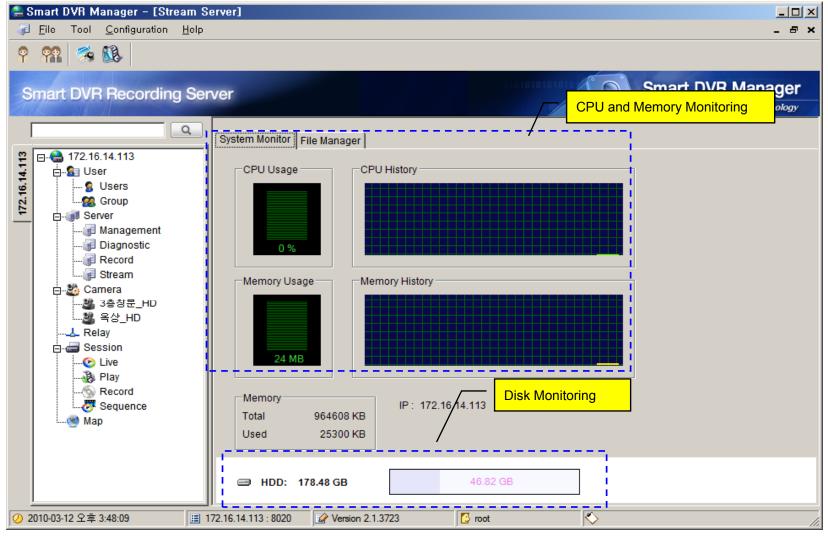


Smart DVR Manager : Advanced Recording Searching

Image: File Tool Configuration Help Advanced Advanced Smart DVR Recording Server
Advanced Search
Smart DVR Recording Server
Advanced Searching Image: Server Image: Server
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② 2010-03-12 오章 3:44:48 Ⅲ 172.16.14.113:8020 ☑ Version 2.1.3723 ☑ root ☑ Group: 0 Camera: 2 (Active: 2) Seq: 0

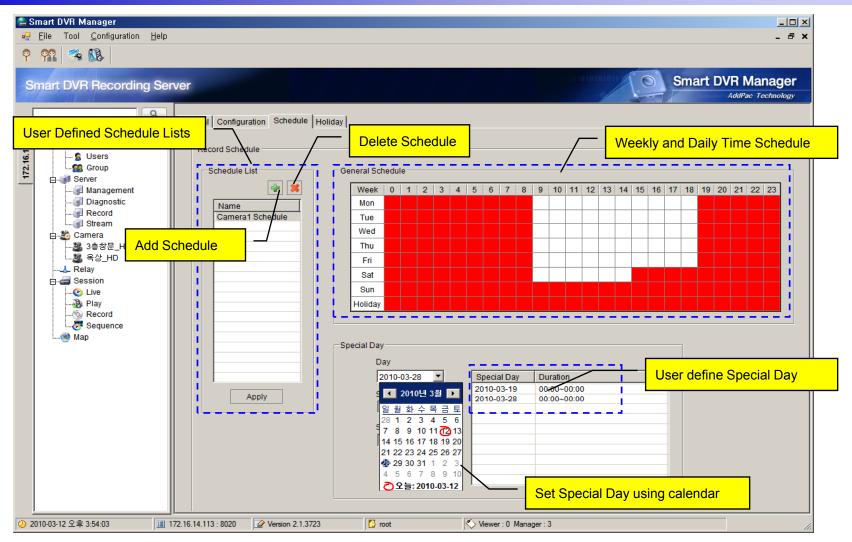


Smart DVR Manager : System Monitoring





Smart DVR Manager : Schedule





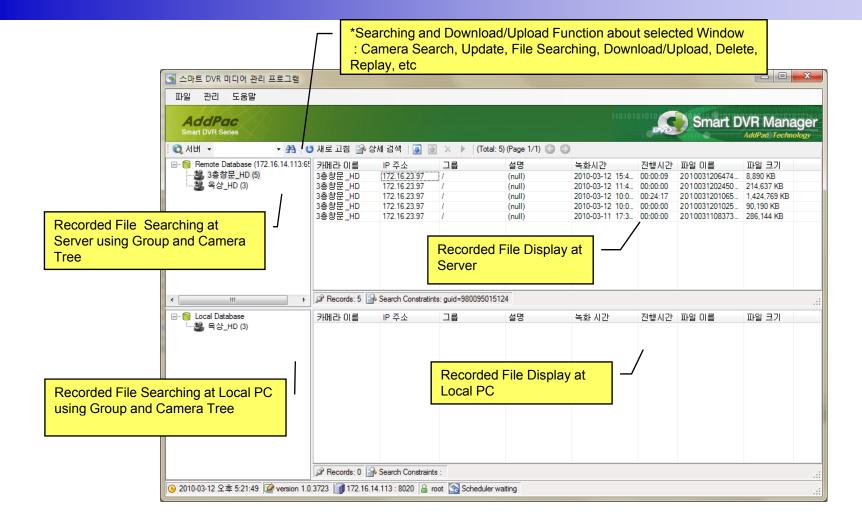
Smart DVR Media Manager



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

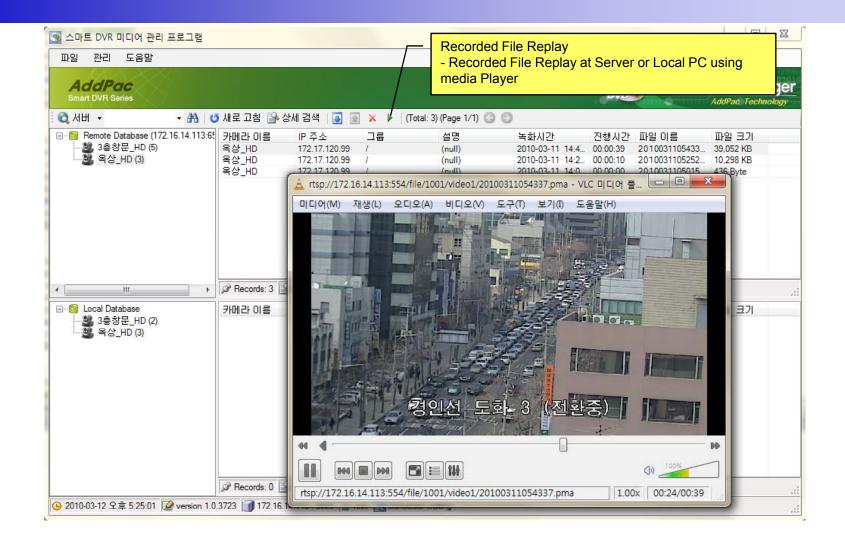


Smart DVR Media Manager : Recorded File Upload / Download

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Smart DVR Media Manager : Media Replay





Smart DVR Media Manager : Media File Attribute

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Smart DVR Media Manager : Schedule

▲마트 DVR 미디어 관리 프로그램	
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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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