AP-DIBC100 D1 IP Box Camera

High-performance Network DVR Solution

Preliminary Product Overview

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





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

AP-DIBC100 D1 IP Box Camera

- High-End Programmable DSP Hardware Architecture
- High-Performance D1 IP Camera Features
- High Quality H.264 High Profile Video Encoder Support
- Sony 1/3" Super HAD II CCD Sensor
- Up to D1(720x480) Resolution, Various Video Resolution Support
- CS Mount Interface
- RTSP Streaming Service Protocol Support
- Dual Video Encoding (ex : D1, CIF) 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-DIBC100 D1 IP Box Camera

Next Generation D1 IP Box Camera High-End Programmable DSP Embedded System for Hardware Architecture Stability Up to D1 (720x480) Video **High Quality H.264 Video** Resolution **Encoder Features** Sony 1/3" Super HAD II CCD Firmware Upgradeable **Camera Sensor Architecture APOS**[™]**Technology Multimedia Network Protocol CS Mount** One(1) 10/100Mbps MIC In, Audio Out Interface for **Fast Ethernet Interface**, **Audio Recording , Broadcasting Service** IO Interface (2 Alarm, 1 Relay) **RTSP Streaming**



Protocol Support for NVR Service

AP-DIBC100 D1 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 D1 (720 x 480) Video Resolution
 - CCD Camera Sensor
 - CS Mount Lens
 - I/O Interface
 - 2 Alarm Input, 1 Relay
 - Power
 - External DC12V Power Supply
 - PoE(Power over Ethernet) Support







AP-DIBC100 D1 IP Box Camera

- Camera Features
 - CS Mount Lens
 - Sony 1/3" Super HAD II CCD Sensor
 - 650TVL (Color)
 - 0.15 Lux (Color) / 0.01 Lux (B/W)
 - True Day & Night
 - Digital WDR
 - 3.5~8.5mm CS Mount Type Lens





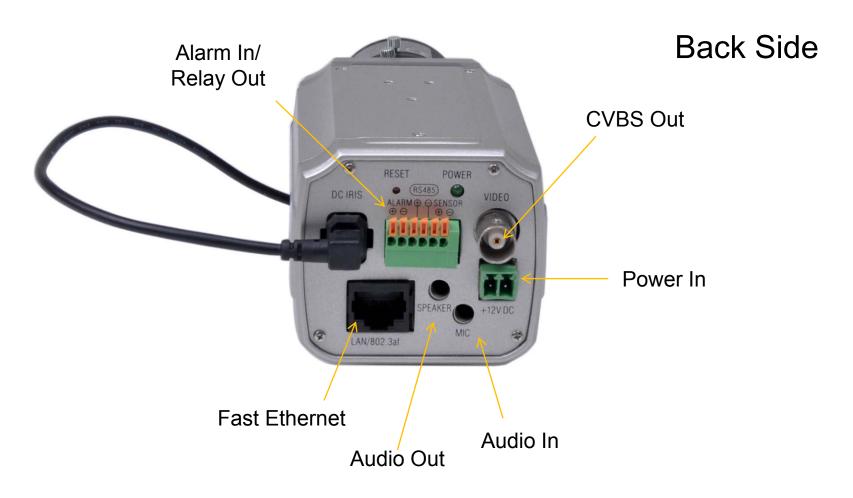
AP-DIBC100 D1 IP Box Camera

Front Side





AP-DIBC100 D1 IP Box Camera





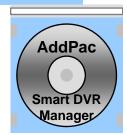
Software Service

AP-DIBC100 D1 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









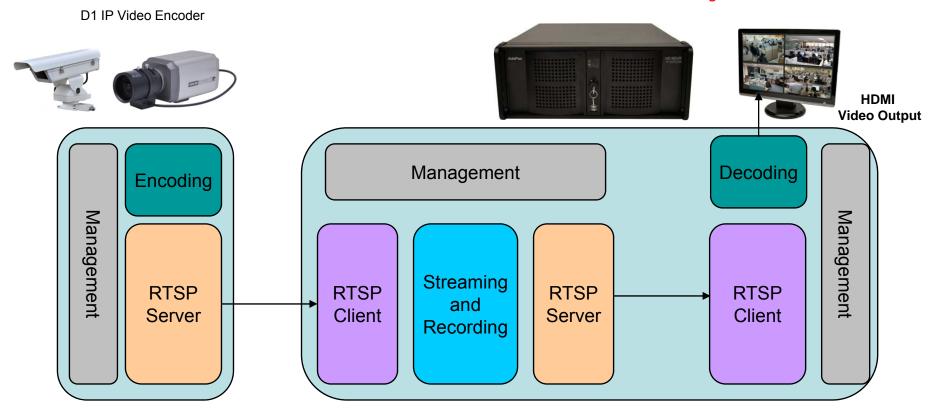


NVR Storage Server Protocol Block Diagram

AP-DIBC100 D1 IP Box Camera

Small Scale Network DVR Solution (All in One)

AP-HNR104 Network DVR Storage Server

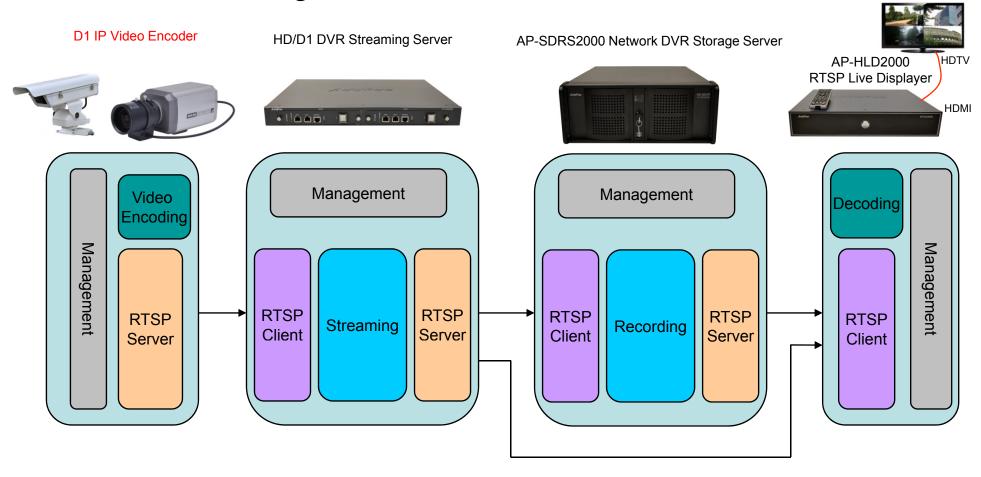




NVR Storage Server Protocol Block Diagram

AP-DIBC100 D1 IP Box Camera

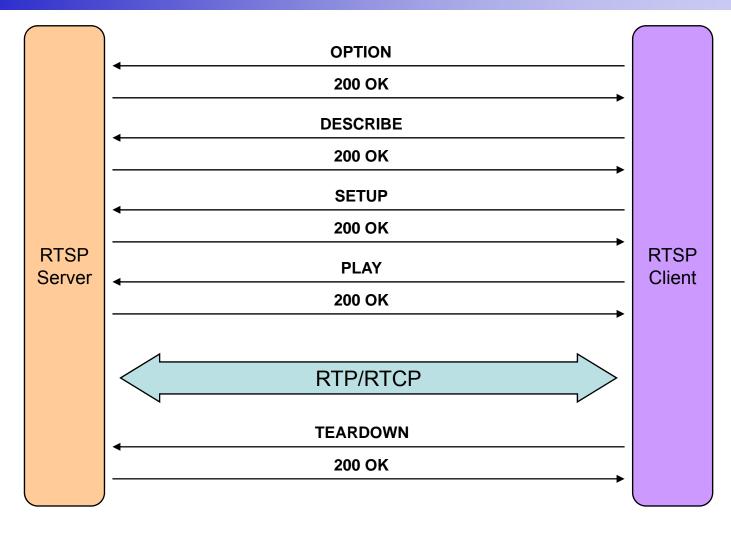
Medium & Large Scale Network DVR Solution





Basic RTSP Message Flow

AP-DIBC100 D1 IP Box Camera



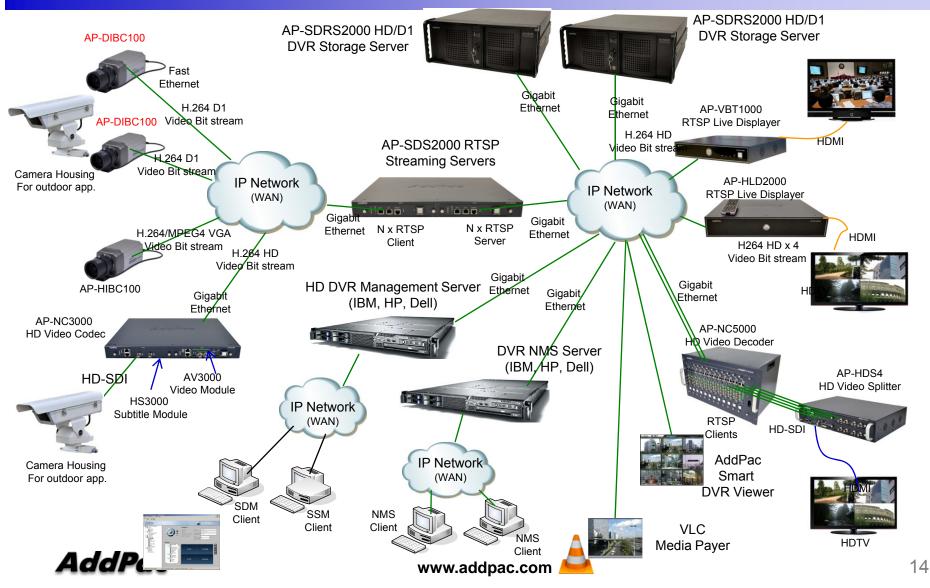


IP Camera Interworking



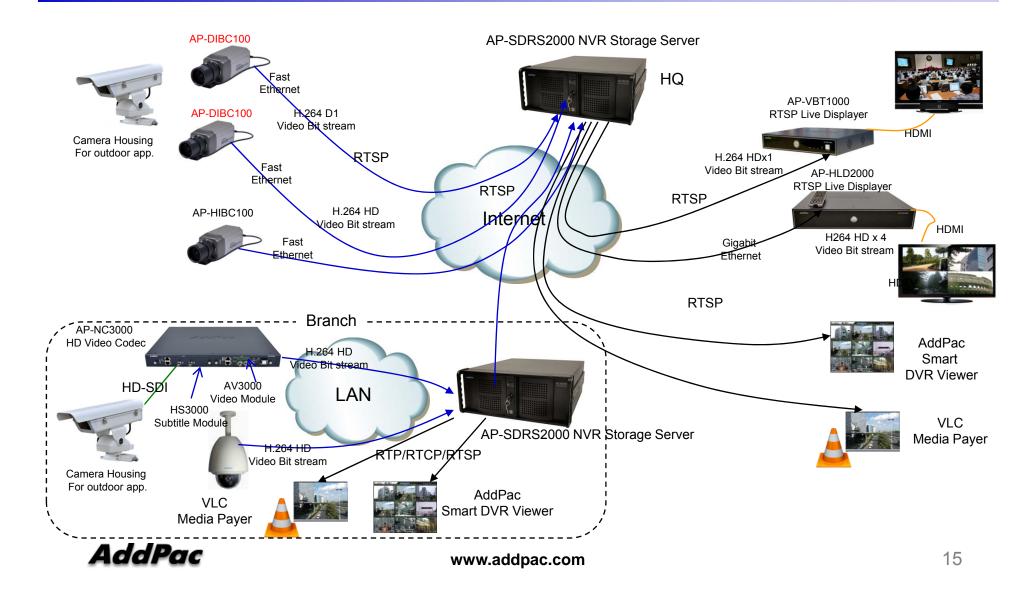
IP Camera Interworking Diagram (Large Scale)

AP-DIBC100 D1 IP Box Camera



IP Camera Interworking Diagram(Small Scale)

AP-DIBC100 D1 IP Box Camera



D1 NVR Storage Solution Component Features



AP-HNR1004 HD/D1 Standalone Network DVR



Product Overview

AP-HNR1004 HD/D1 Standalone Network DVR

- High-Performance HD/D1 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/D1 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

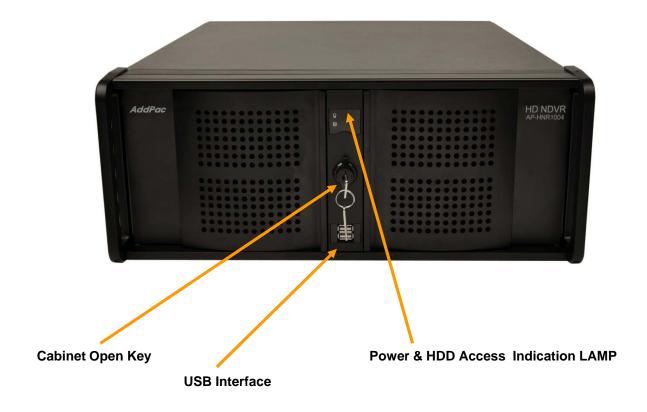




AP-HNR1004 HD/D1 Standalone Network DVR

High End Processor

AP-HNR1004 Front Side

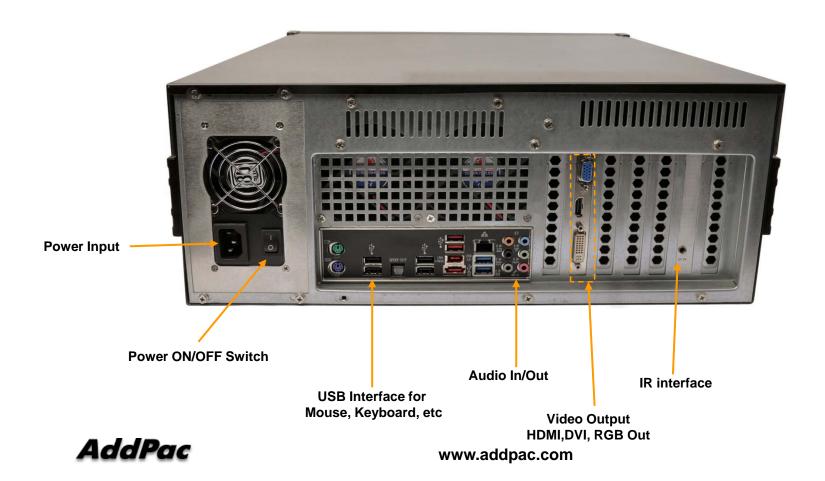




AP-HNR1004 HD/D1 Standalone Network DVR

High End Processor

AP-HNR1004 Back Side



AP-SDRS2000 HD/D1 NVR Storage Server



Product Overview

AP-SDRS2000 HD/D1 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/D1 NVR Storage Server



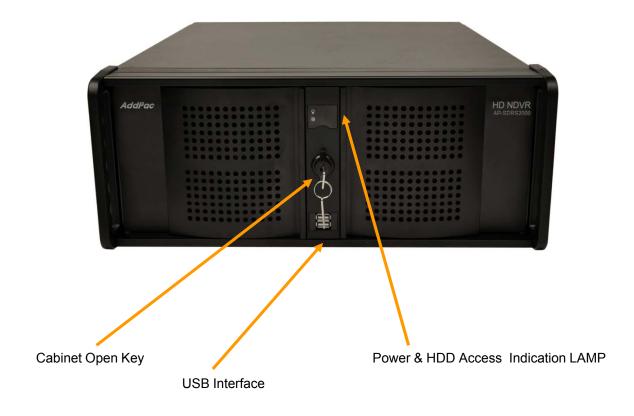
- High Performance Computing Power
- Main Chassis
 - Network Interface
 - One(1) 10/100/1000Mbps Fast Ethernet
 - Video Output Interface
 - HDMI, DVI,RGB Video Output
 - USB 2.0 Interfaces for Mouse, Keyboard, etc
 - One(1) DVD Writer for Video File Backup
 - Up to Four(4) Hard Disk



AP-SDRS2000 HD/D1 NVR Storage Server



AP-SDRS2000 Front Side

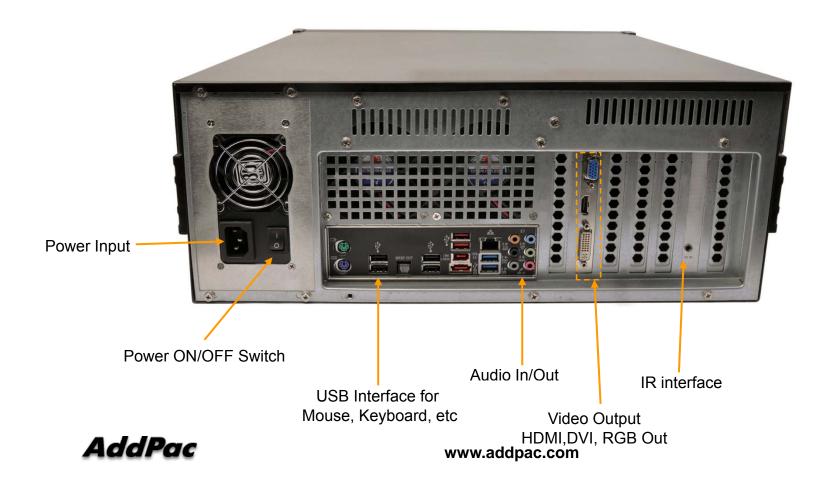




AP-SDRS2000 HD/D1 NVR Storage Server



AP-SDRS2000 Back Side



HD/D1 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

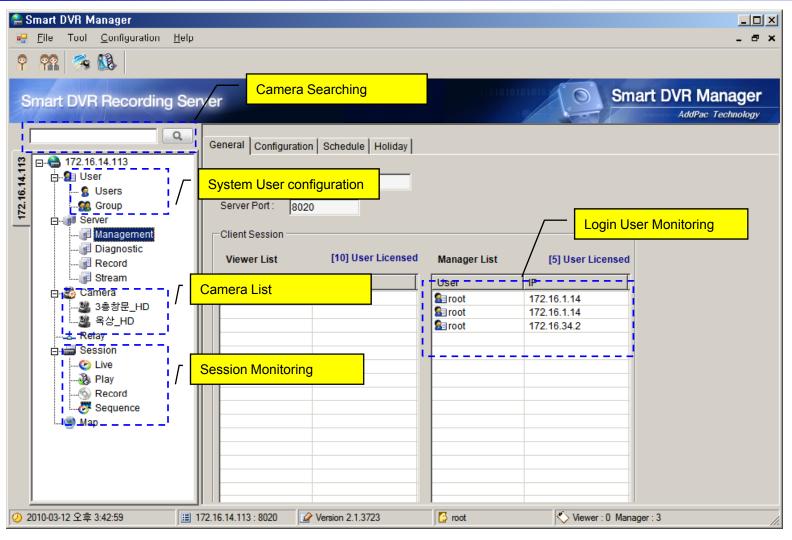
- Recording Start/Stop
- Recording Media File Searching and Maintenance
- File Download and Excel Exporting

Monitoring

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

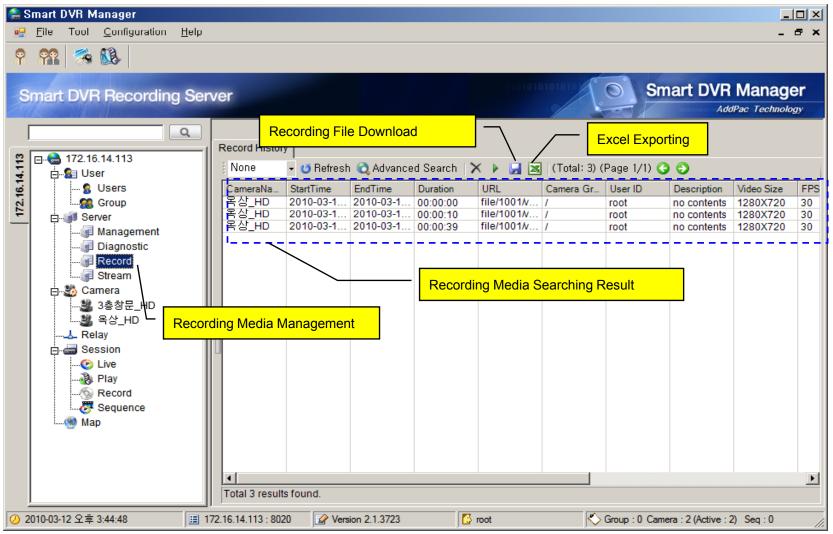


Smart DVR Manager: Main Layout



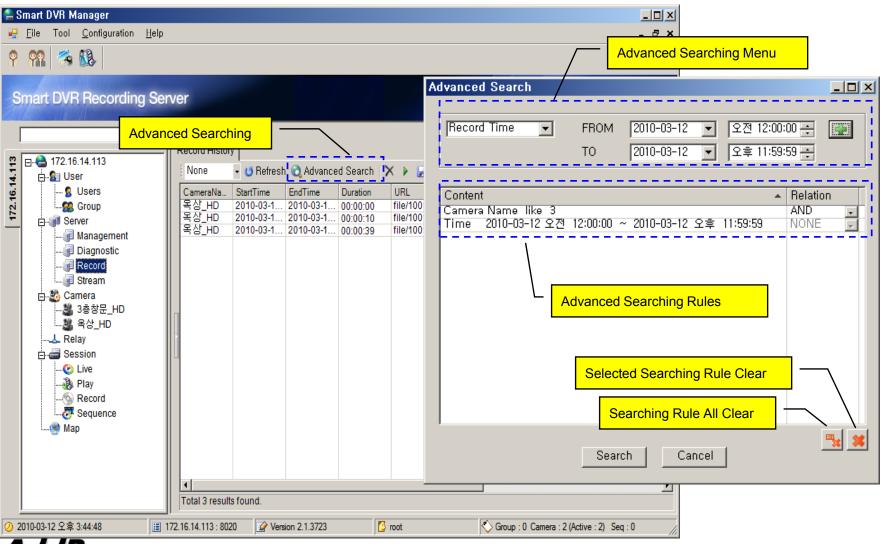


Smart DVR Manager: Recording File Searching

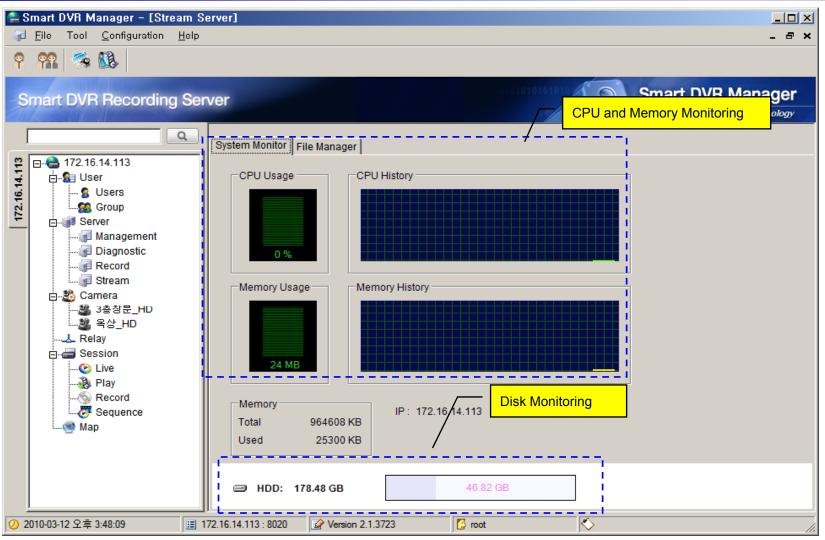




Smart DVR Manager : Advanced Recording Searching

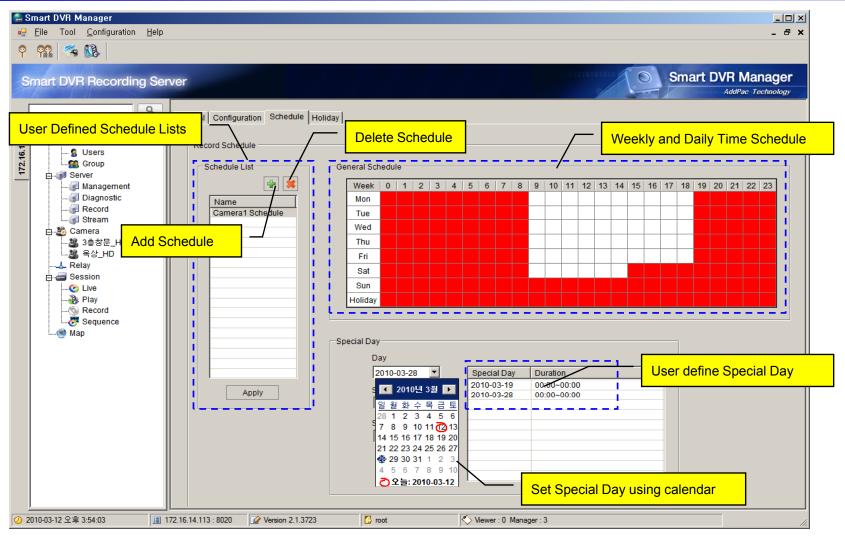


Smart DVR Manager: System Monitoring





Smart DVR Manager : Schedule





Smart DVR Media Manager

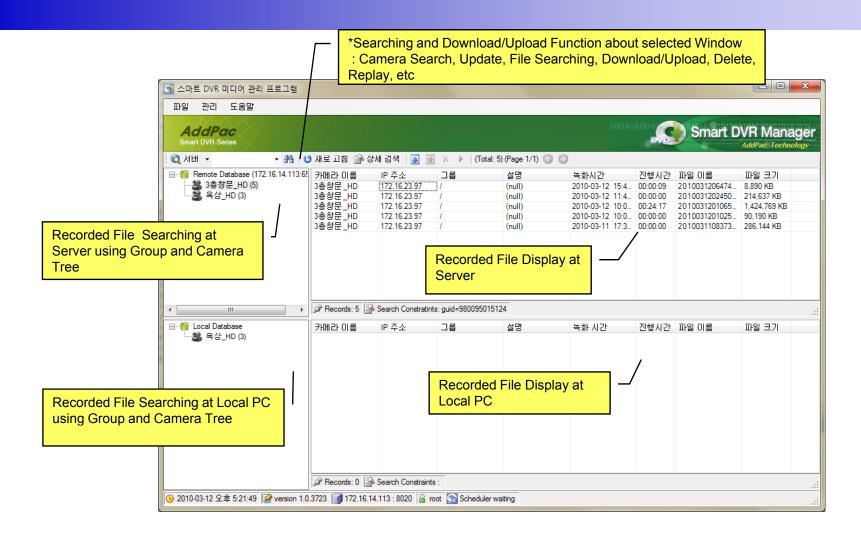


Smart DVR Media Manager Features

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

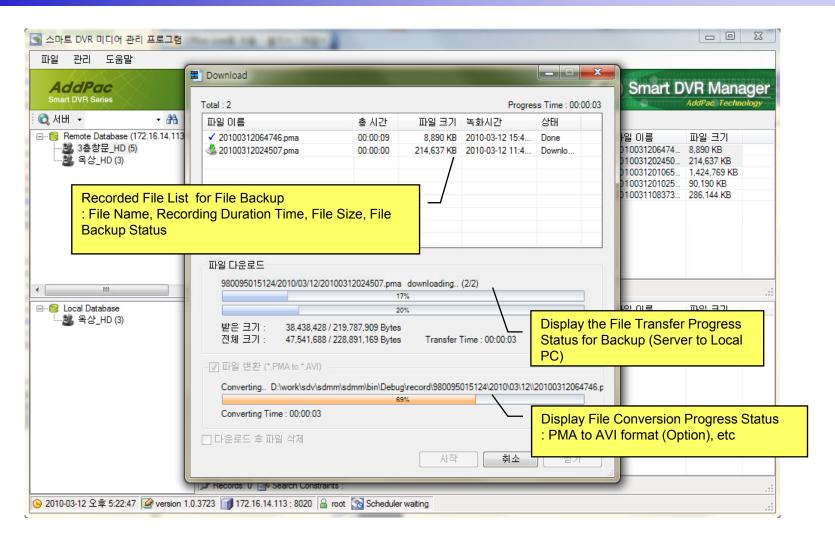


Smart DVR Media Manager: Main Layout



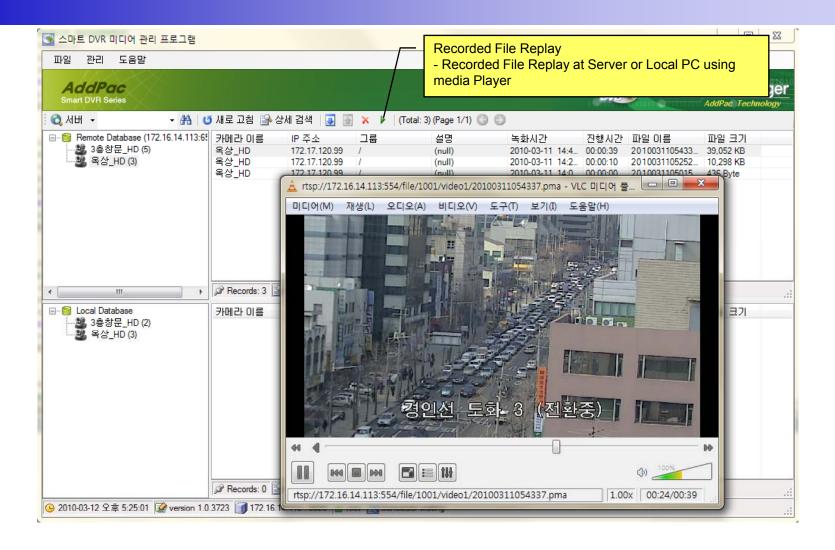


Smart DVR Media Manager: Recorded File Upload / Download



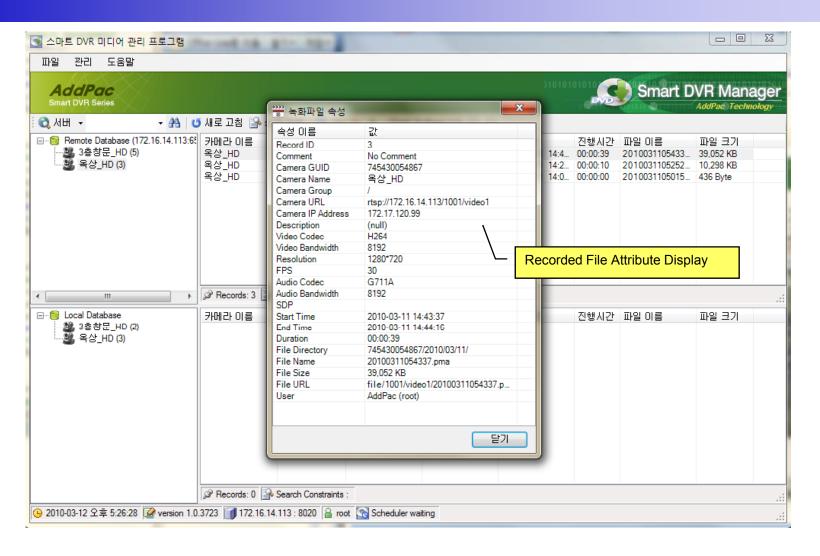


Smart DVR Media Manager : Media Replay



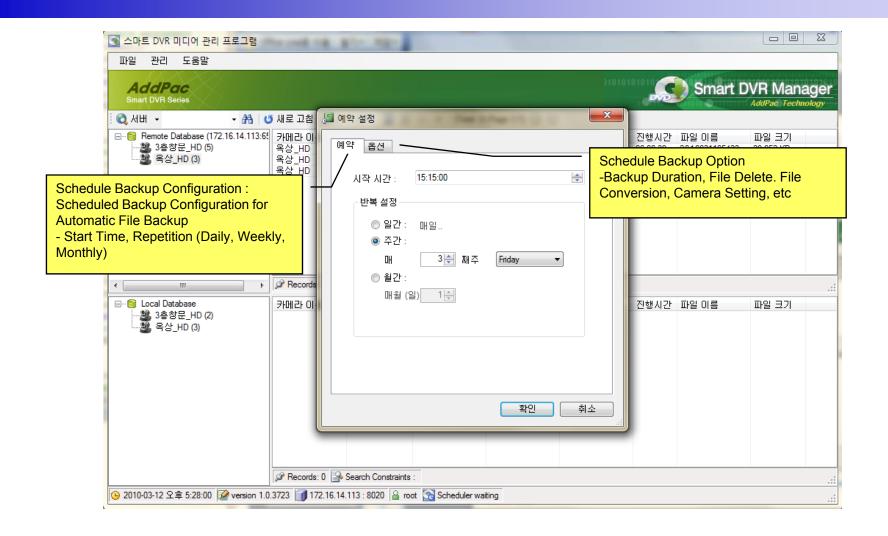


Smart DVR Media Manager : Media File Attribute





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

Phone +82.2.568.3848 (KOREA) FAX +82.2.568.3847 (KOREA) E-mail sales@addpac.com

