AP-HIC350[™] Full HD IP 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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- Hardware Specification
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Product Overview

AP-HIC350 Full HD IP Camera

- High-End Programmable DSP Hardware Architecture
- High-Performance HD IP Camera Features
- High Quality H.264 High Profile Video Encoder Support
- Speed PAN/TILT Camera Service Features
- Optical 20 x Zoom Camera
- Up to 1920 x 1080 Resolution
- 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



Product Highlights

AP-HIC350 Full HD IP Camera

Next Generation Full HD IP Camera

Embedded System for Stability

Up to Full HD(1920x1080)
Video Resolution

Firmware Upgradeable Architecture

APOS[™]Technology Multimedia Network Protocol

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

High-End Programmable DSP Hardware Architecture

High Quality H.264 Video Encoder Features

Speed PAN/TILT Dome Camera Service Features

Optical 20 x Zoom Video Camera

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

RTSP Streaming
Protocol Support for NVR Service



AP-HIC350 Full HD IP Camera

- RISC + Video Processor Computing Power
- Main Chassis
 - Network Interface
 - One(1) 10/100 Fast 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
 - I/O Interface
 - 2 Alarm Input, 1 Relay
 - Speed PAN/TILT Features
 - PAN: 360 Degree Endless
 - TILT: 90+ Degree







AP-HIC350 Full HD IP Camera

- Camera Specification
 - High-end 1/2.8-type "Exmor" CMOS Camera Sensor
 - 3.27 Mega Pixels
 - HD: 1080p/29.97, 1080p/25, 1080i/59.94, 1080i/50, 720p/59.94,
 720p/50, etc
 - Auto Focus 20 x Optical Zoom, 12 x Digital Zoom
 - Auto ICR Function
 - Noise Reduction





AP-HIC350 Full HD IP Camera



Front Side



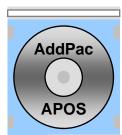
AP-HIC350 Full HD IP Camera



Software Service

AP-HIC350 Full HD 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





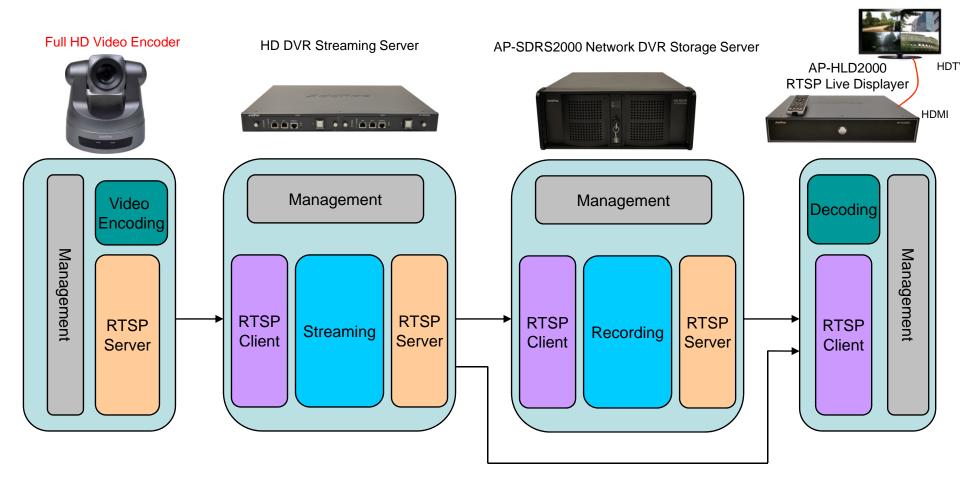




NVR Storage Server Protocol Block Diagram

AP-HIC350 Full HD IP Camera

Medium & Large Scale Network DVR Solution

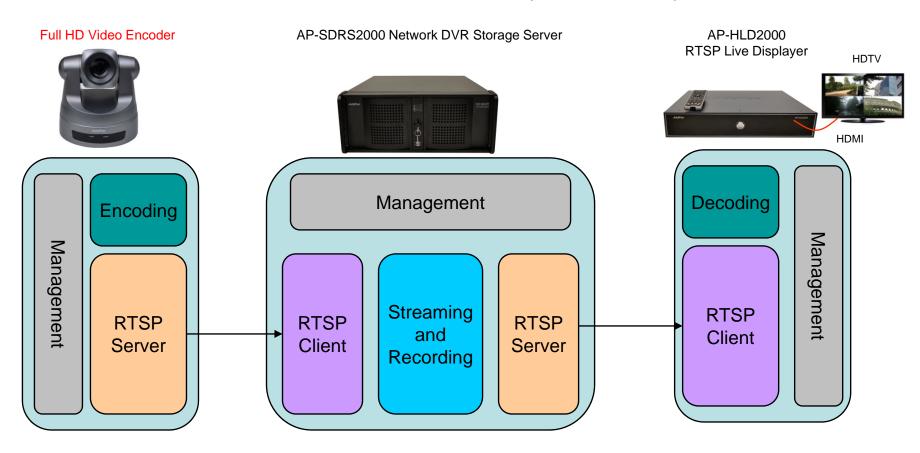




NVR Storage Server Protocol Block Diagram

AP-HIC350 Full HD IP Camera

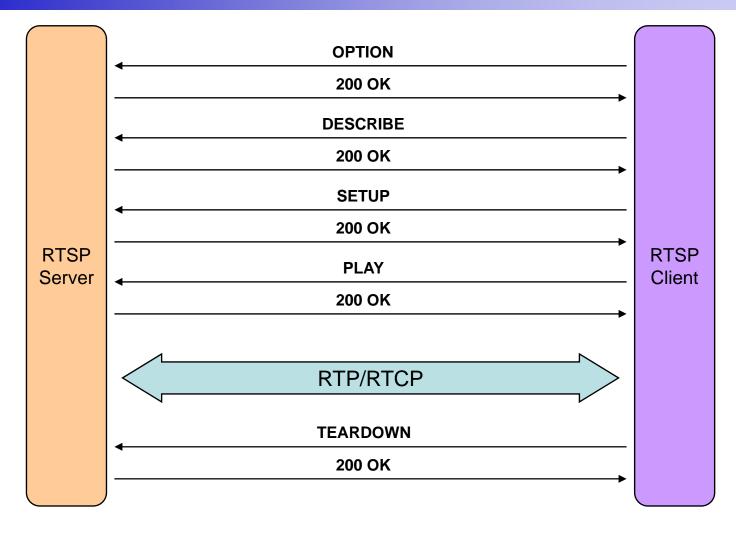
Small Scale Network DVR Solution (All in One)





Basic RTSP Message Flow

AP-HIC350 HD IP Camera



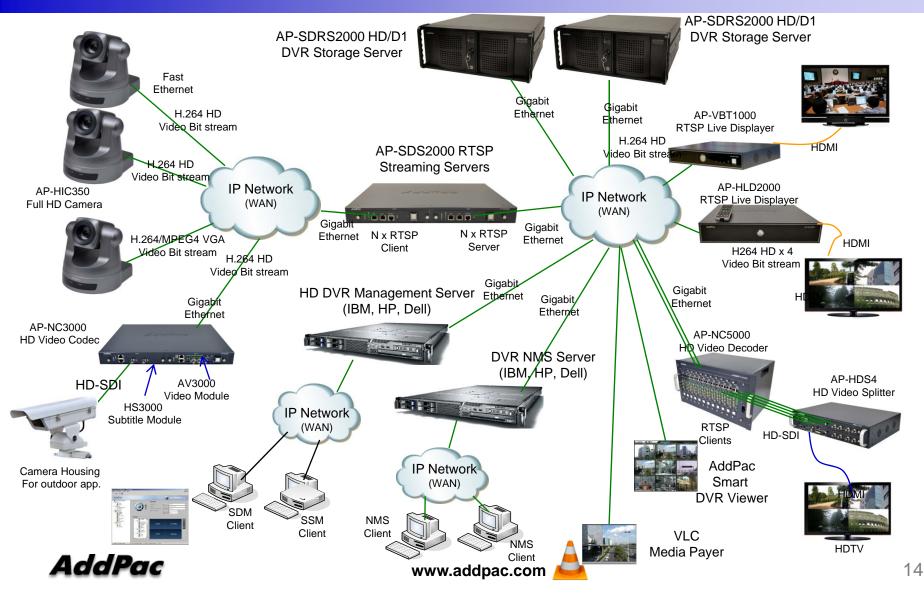


IP Camera Interworking



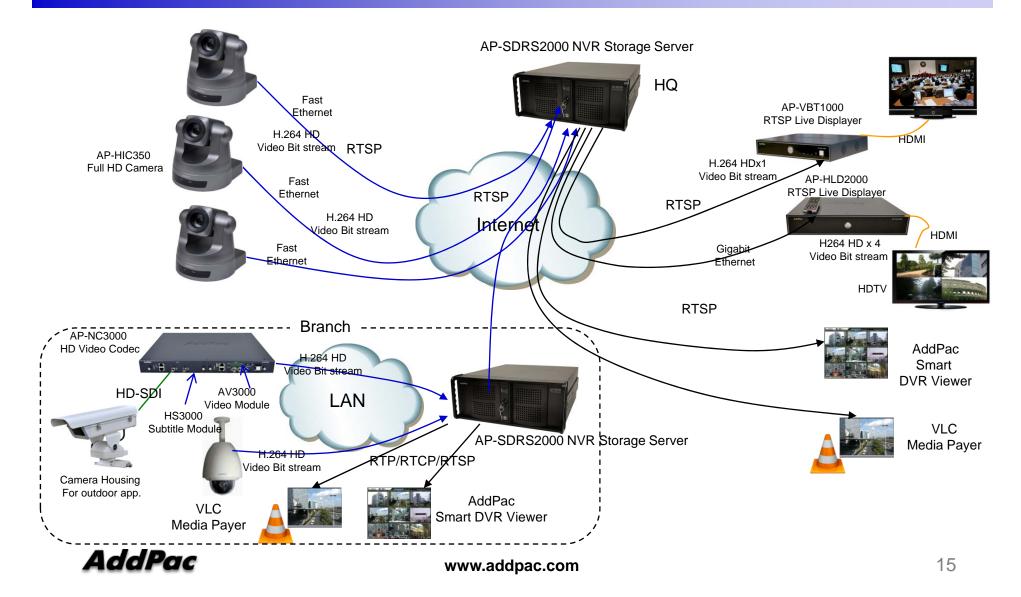
IP Camera Interworking Diagram (Large Scale)

AP-HIC350 HD IP Camera



IP Camera Interworking Diagram(Small Scale)

AP-HIC350 Full HD IP Camera



HD NVR Storage Solution Component Features



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



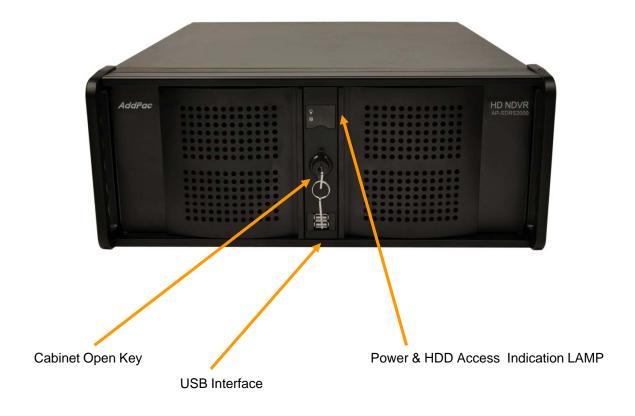
- High Performance Computing Power
- Main Chassis
 - Network Interface
 - One(1) 10/100/1000Mbps Fast Ethernet
 - Video Output Interface
 - HDMI, DVI,RGB Video Output
 - USB 2.0 Interfaces for Mouse, Keyboard, etc
 - One(1) DVD Writer for Video File Backup
 - Up to Four(4) Hard Disk



AP-SDRS2000 HD NVR Storage Server



AP-SDRS2000 Front Side

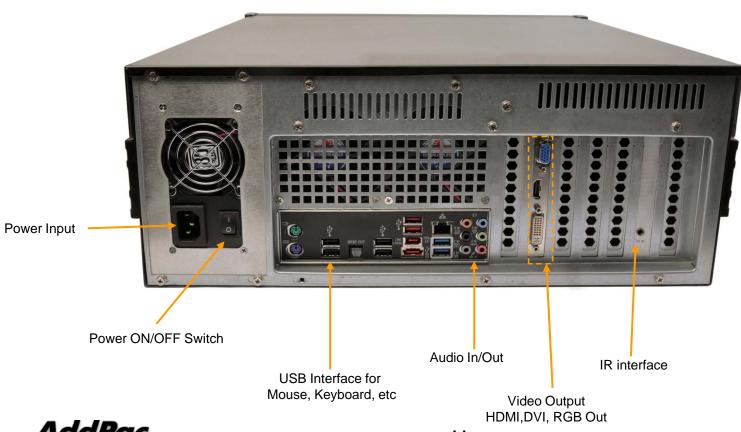




AP-SDRS2000 HD NVR Storage Server



AP-SDRS2000 Back Side





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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

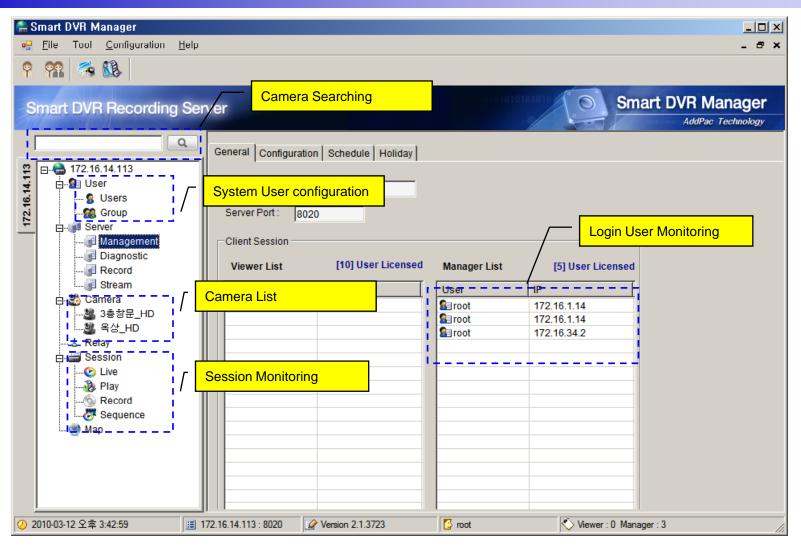
System Resource Monitoring (CPU, Memory, HDD and etc)

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- Live Session Monitoring
- Media File Play Session Monitoring



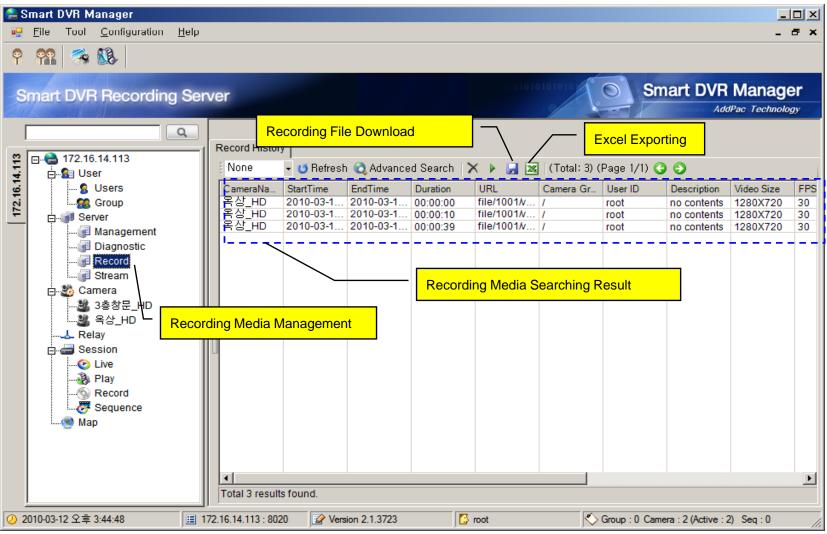
Smart DVR Manager: Main Layout



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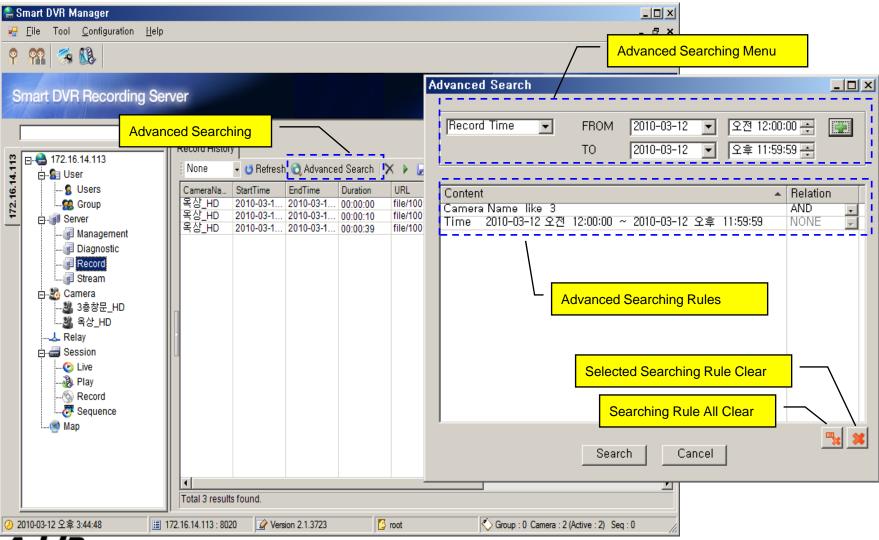


Smart DVR Manager: Recording File Searching

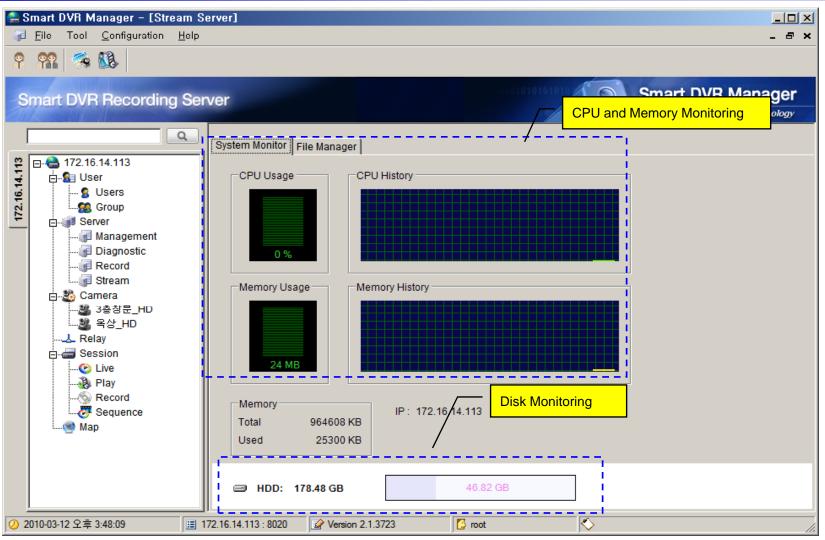




Smart DVR Manager : Advanced Recording Searching

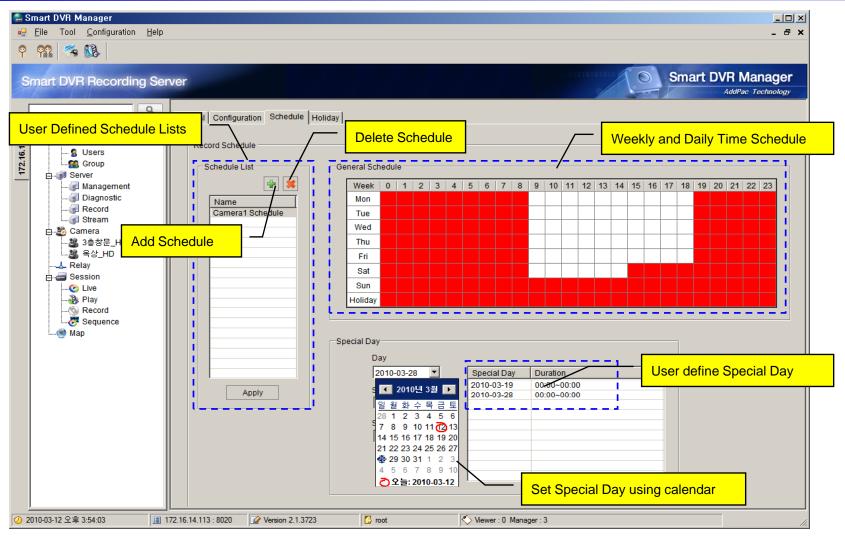


Smart DVR Manager: System Monitoring





Smart DVR Manager : Schedule





Smart DVR Media Manager

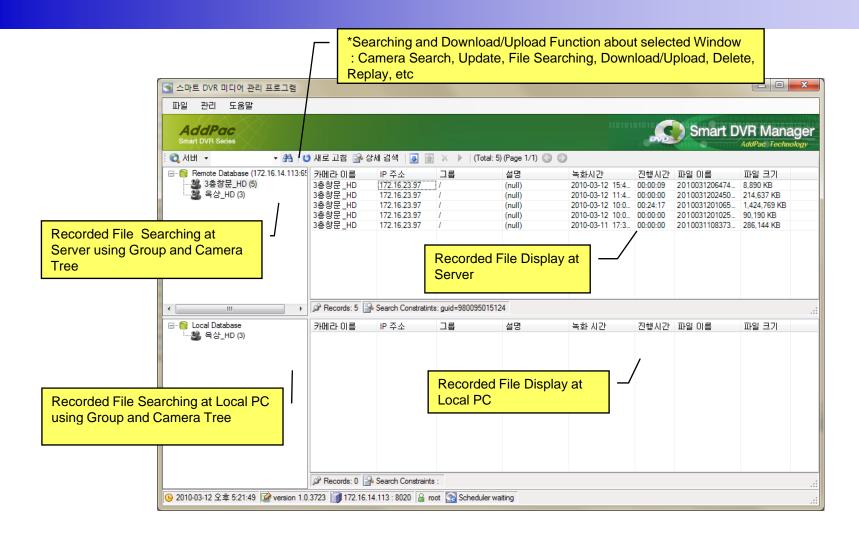


Smart DVR Media Manager Features

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

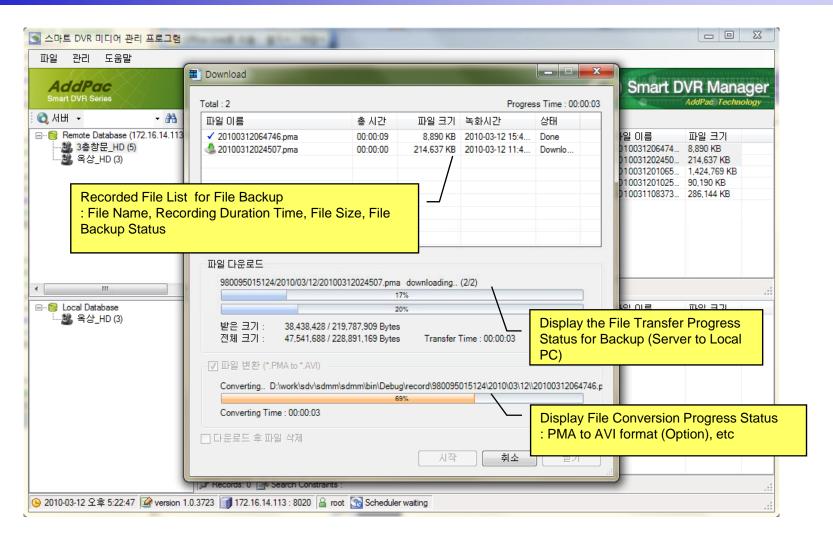


Smart DVR Media Manager: Main Layout



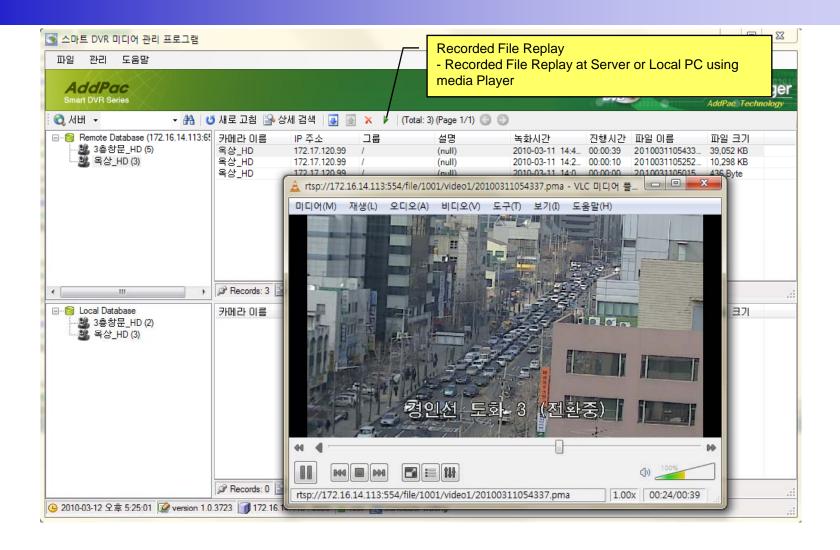


Smart DVR Media Manager: Recorded File Upload / Download



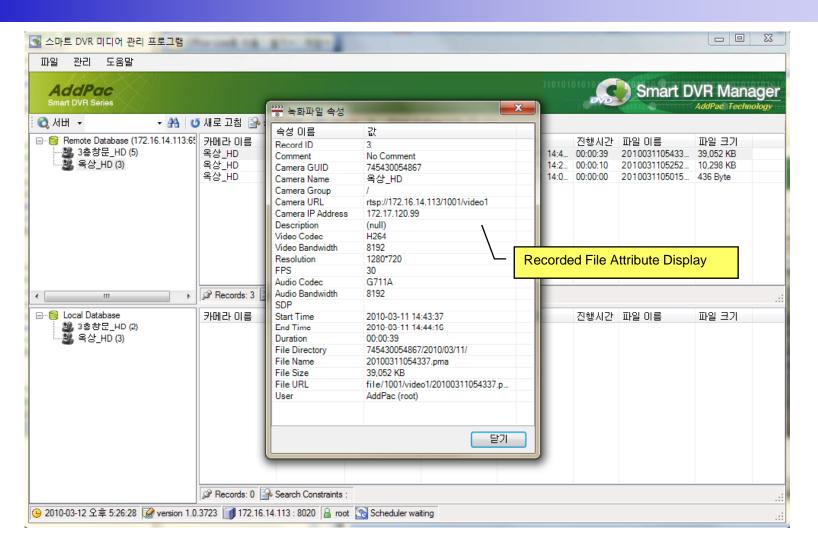


Smart DVR Media Manager: Media Replay



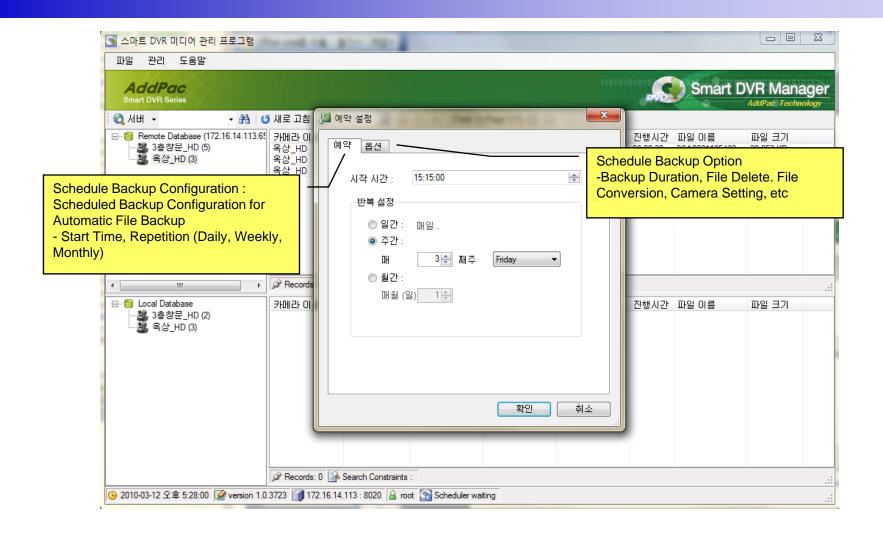


Smart DVR Media Manager : Media File Attribute





Smart DVR Media Manager : Schedule





Ordering Information

- AP-HIC350 HD IP Camera Hardware
 - AP-HIC350 Main Body
 - Including Network Cable Set & Power Supply Cable, etc.
- Built-in APOS Internetworking Software for AP-HIC350
- 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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