

# Full HD Video Codec Solution for AiR to LAND Video Transmission

**Full HD Video Codec Solution for  
AiR to LAND Video Transmission**

AV3500	Full HD Video Codec Module
AV6000N	Full HD Video Codec Module
AP-NC2000	HD Network Camera
AP-SDS2000	HD Streaming Server
AP-SDRS5000	Network DVR Server

[Learn More >](#)



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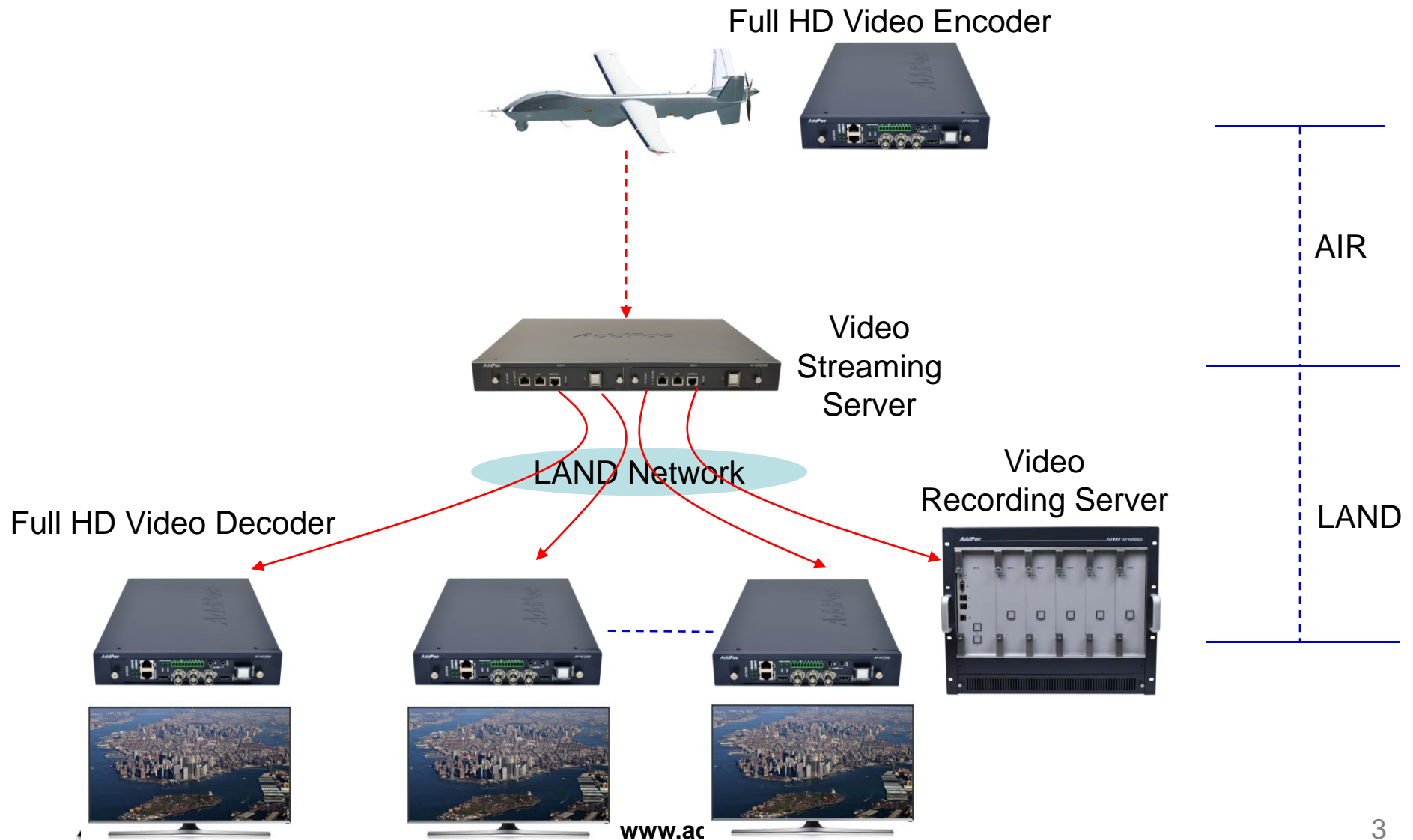
2015, Sales and Marketing

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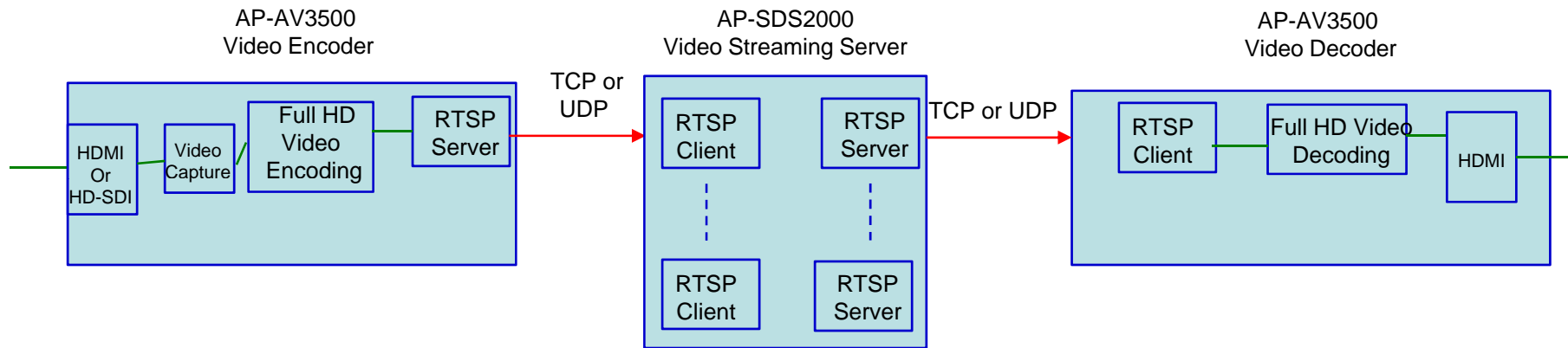
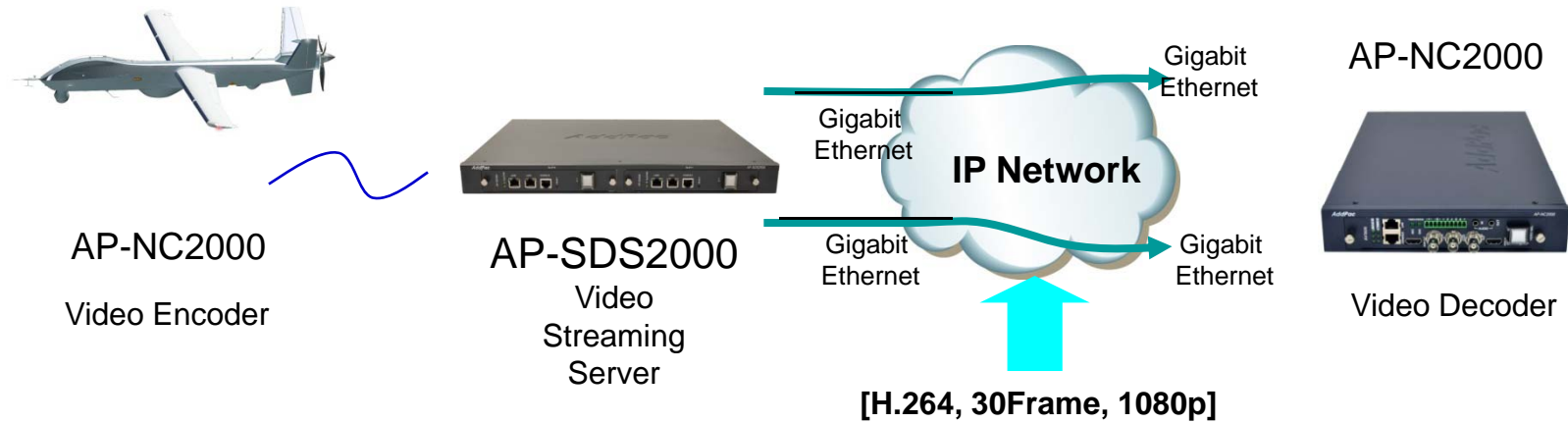
# Contents

- Network Diagram
- Full HD Video Transmission Codec Module
  - AV3500 Video Codec Module
  - AV6000N Video Codec Module
- Full HD Video Streaming Server
  - AP-SDS2000 Full HD Video Streaming Server
- Full HD Video Recording Server
  - AP-SDRS5000 Video Recording Server
- Full HD Video Transmission Hardware Platforms

# Network Diagram



# Network Diagram



# AV3500

## Full HD Video Codec Module



# Main Features

## AV3500 Full HD Video Codec Module

- Full HD (1080i) Video Encoding/Decoding Service Features
- Video Codec : H.264 HP/MP/BP
- Video Input Interface : HDMI, HD-SDI, Analog (NTSC, PAL)
- Video Output Interface : HDMI, HD-SDI, Analog (NTSC, PAL)
- RTSP/RTP, TCP/UDP Protocol Support
- AES\_EBU HD-SDI Audio Service Support
- IP based Dolby Relay Support
- IP based Full HD Video Transmission Solution
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Web based Management Service
- AP-NC2000, AP-NC3000, AP-NC3500, AP-NC5000 Platform Available

# Hardware Specification

## AV3500 Full HD Video Codec Module

RISC  
CPU

High-End  
VP

- RISC + Video Processor Computing Power
- AV3500 Video Module
  - Network Interface
    - One(1) 10/100/1000Mbps Gigabit Ethernet
  - Video Interface
    - One(1) Channel HD-SDI Input
    - One(1) Channel HDMI Input
    - One(1) Channel CVBS Input or Output (selected by DIP Switch)
    - One(1) Channel HD-SDI Output
    - One(1) Channel HDMI Output
  - One(1) RS-232 Console Interface (RJ45)
  - Camera Control Interface
    - One(1) RS-232C, RS485 Interface
  - I/O Interface
    - Two(2) Alarm Input /One(1) Relay Out

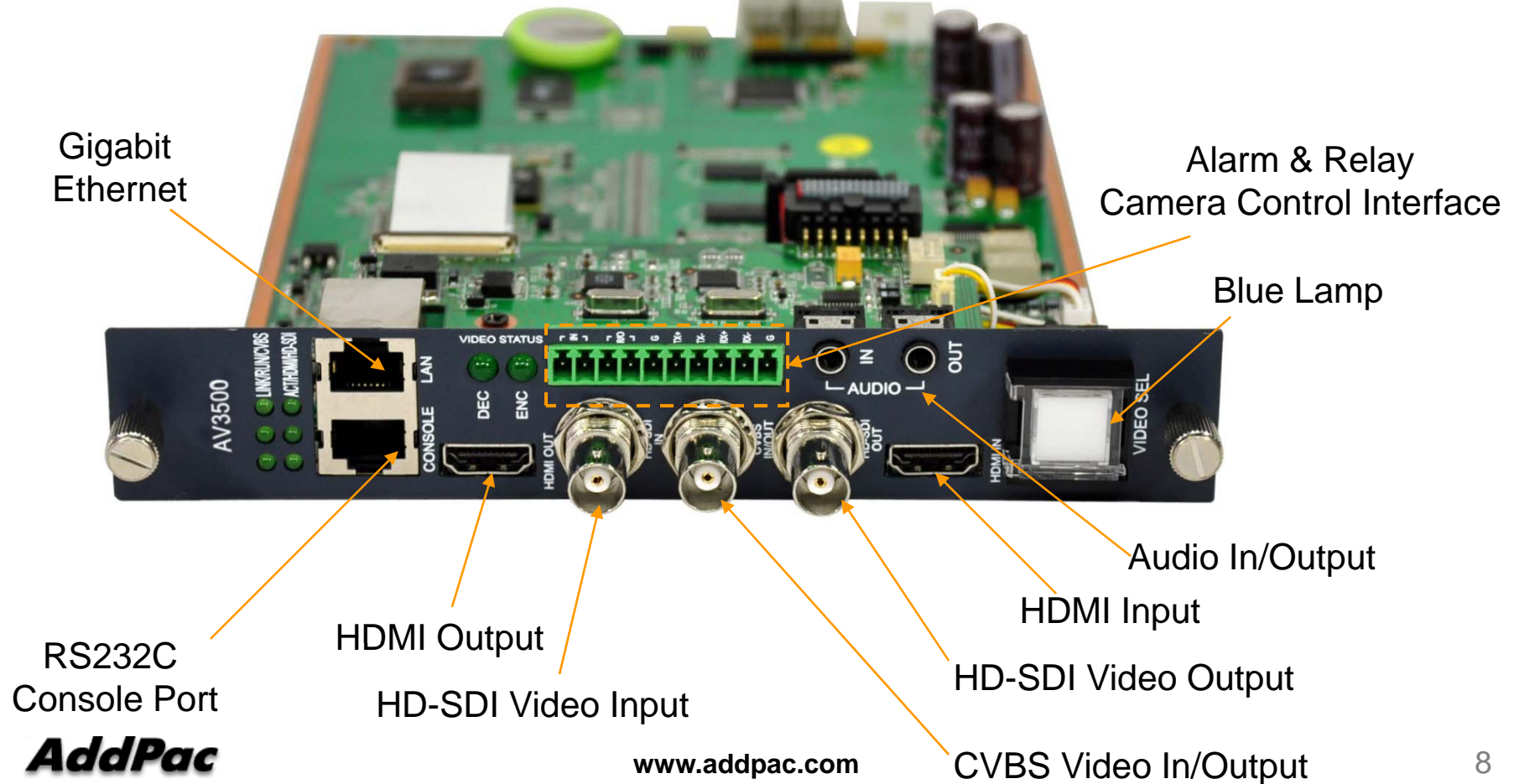
# Hardware Specification

## AV3500 Full HD Video Codec Module

RISC  
CPU

High-End  
VP

AV3500 HD Video Encoder/Decoder Module(H.264)





# AV3500 Technical Specification

## AV3500 Full HD Video Codec Module

RISC  
CPU

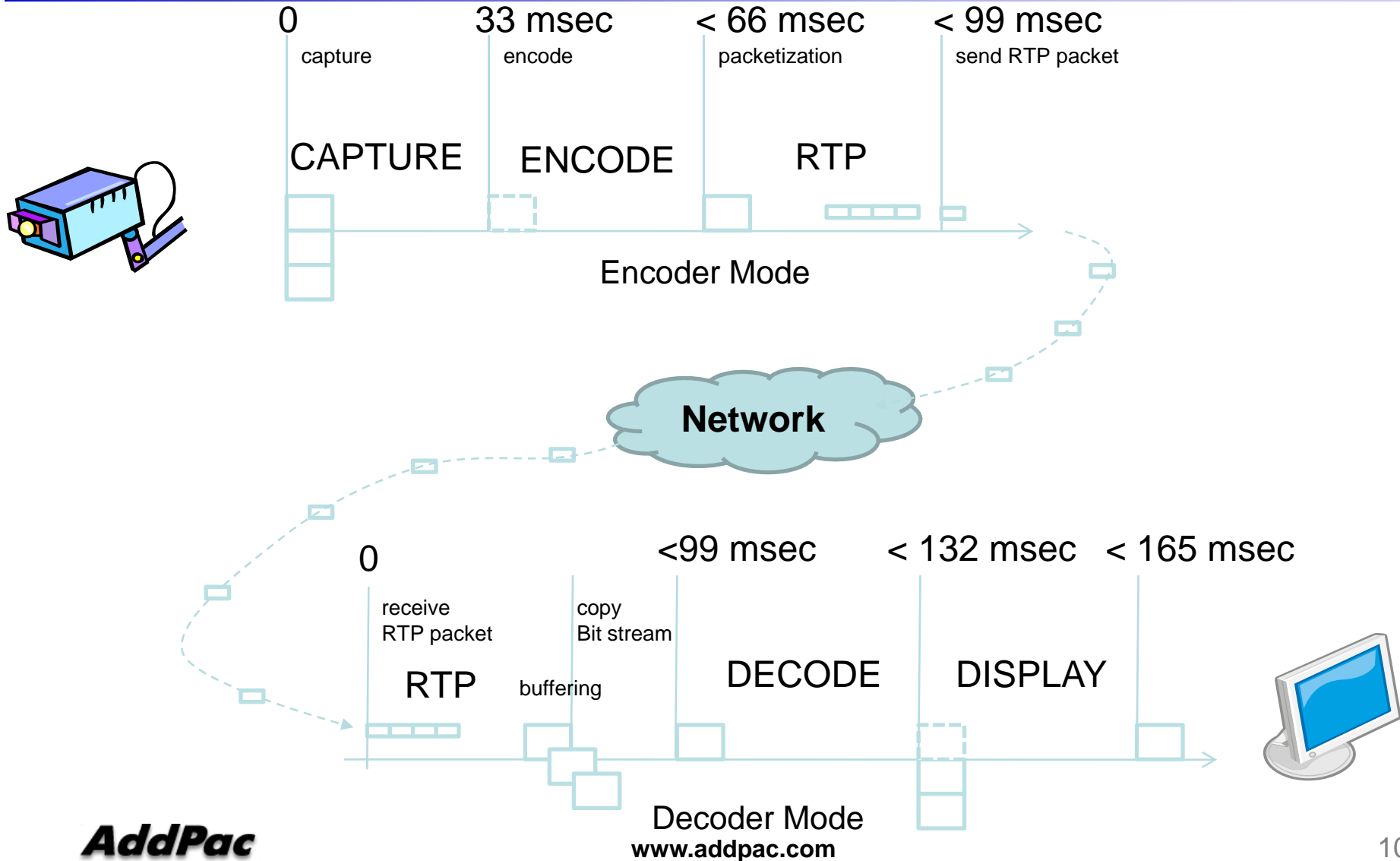
High-End  
VP

### AV3500 Specification

Video	Input	HD-SDI, HDMI, Analog CVS
	Output	HD-SDI, HDMI, Analog CVS
	Format	1080i, 720P, D1(NSTC, PAL)
	Coding	H.264 (HP/MP/BP)
Audio	Input	4 x AES pair in HD-SDI(AES_EBU), 1 x Analog Stereo Pair
	Output	4 x AES pair in HD-SDI(AES_EBU), 1 x Analog Stereo Pair
	Coding	Dolby Pass-Thru(Relay), AAC, G.711, G.726, etc
Network Interface		1 x 10/100/1000Mbps Gigabit Ethernet, 1 x RS232 Interface for Console
Protocol		RTSP (TCP, UDP), RTP

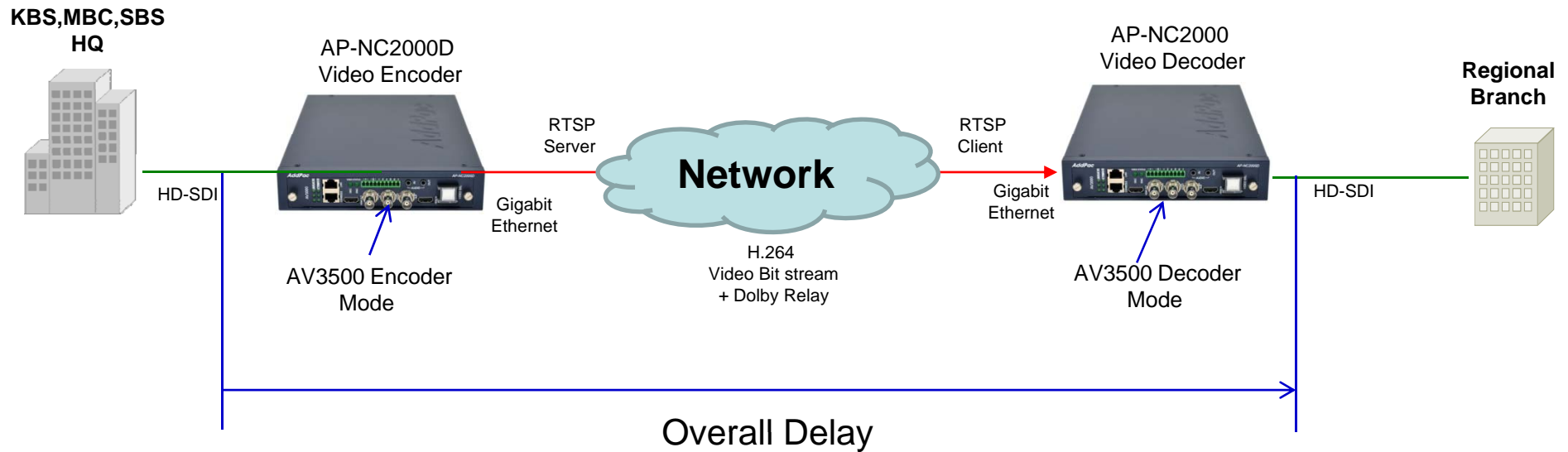
# AV3500 IP Video Codec Latency

AV3500 Full HD Video Codec Module



# AV3500 IP Video Codec Latency

## AV3500 Full HD Video Codec Module



Overall Delay =< 165msec + Network Delay + RTP Rx Buffering Delay

# AV6000N

## Full HD Video Codec Module



# Product Overview

## AV6000N Full HD Video Codec Module

- Full HD (1080i) Video Encoding/Decoding Service Features
- Video Codec : H.264 HP/MP/BP
- **Robust H.264 Temporal Domain SVC(Scalable Video Codec) Support**
- Video Input Interface : HDMI, HD-SDI, Analog (NTSC, PAL)
- Video Output Interface : HDMI, HD-SDI, Analog (NTSC, PAL)
- Triple Bit Streaming Support
- RTSP/RTP, TCP/UDP Protocol Support
- AES\_EBU HD-SDI Audio Service Support
- IP based Dolby Relay Support
- IP based Full HD Video Transmission Solution
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Web based Management Service
- AP-NC2000, AP-NC3000, AP-NC3500, AP-NC5000 Platform Available

# Hardware Specification

## AV6000N Full HD Video Codec Module

RISC  
CPU

High-End  
VP

- **RISC + Video Processor Computing Power**
- **AV6000N Video Module**
  - **Network Interface**
    - One(1) 10/100/1000Mbps Gigabit Ethernet
  - **Video Interface**
    - One(1) Channel HD-SDI Input
    - One(1) Channel HDMI Input
    - One(1) Channel CVBS Input or Output (selected by DIP Switch)
    - One(1) Channel HD-SDI Output
    - One(1) Channel HDMI Output
  - **One(1) RS-232 Console Interface (RJ45)**
  - **Camera Control Interface**
    - One(1) RS-232C, RS422, RS485 Interface for External Camera Control
  - **I/O Interface**
    - Two(2) Alarm Input /One(1) Relay Out

# Hardware Specification

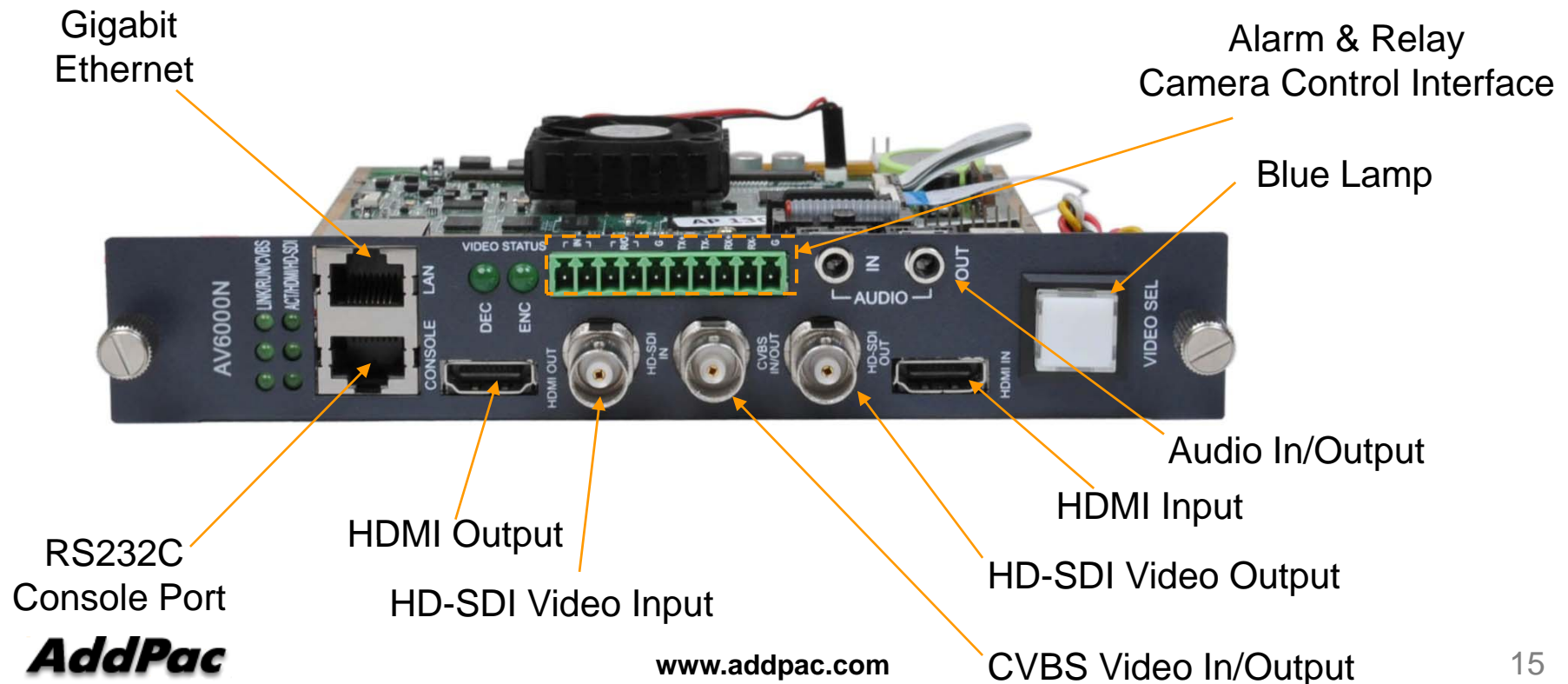
AV6000N Full HD Video Codec Module

RISC  
CPU

High-End  
VP

## Hardware Module Specification

AV6000N HD Video Encoder/Decoder Module(H.264)



# AV6000N Technical Specification

AV6000N Full HD Video Codec Module

RISC  
CPU

High-End  
VP

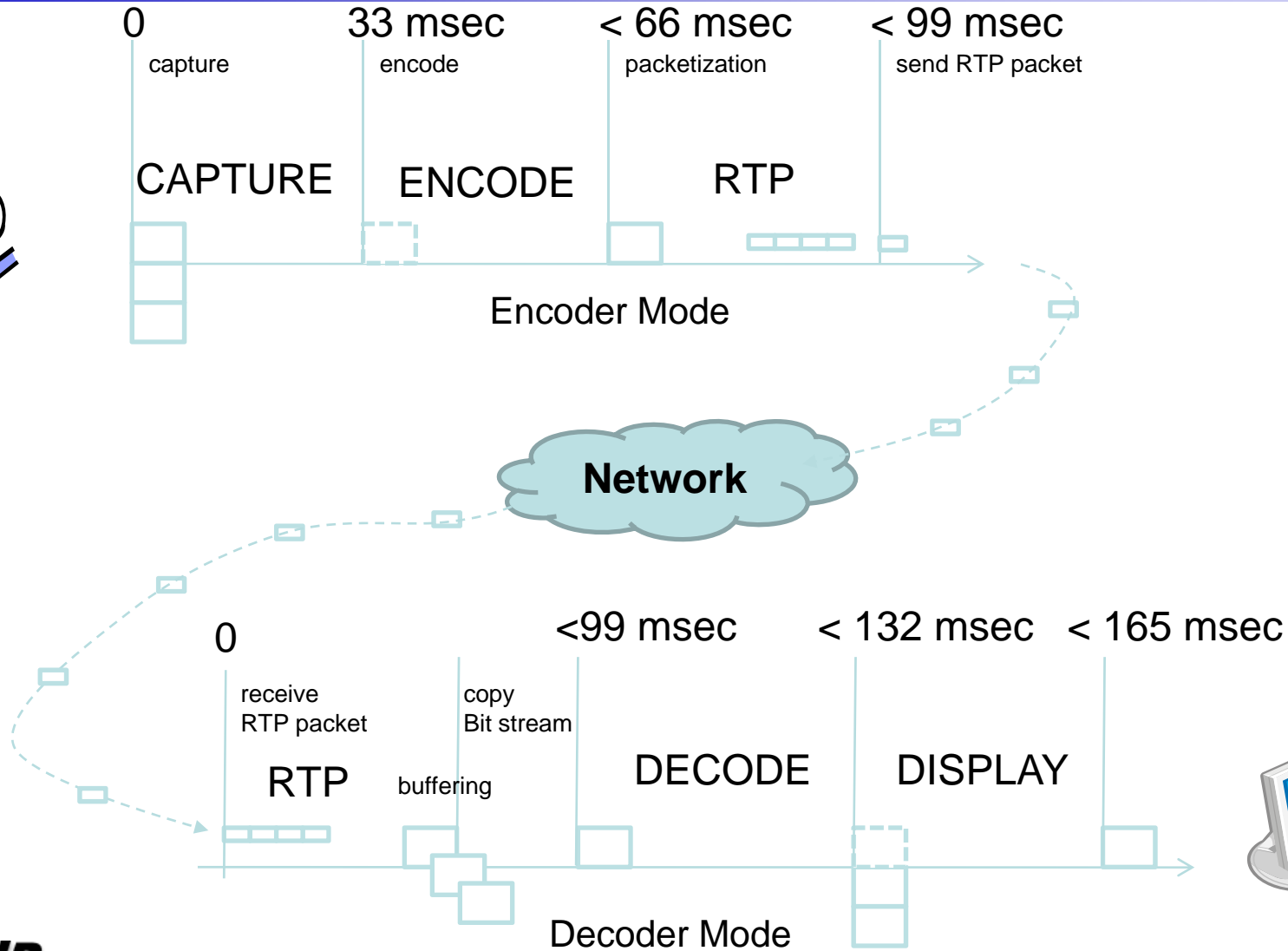
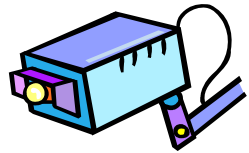
## AV6000N Specification

Video	Input	HD-SDI, HDMI, Analog CVS
	Output	HD-SDI, HDMI, Analog CVS
	Format	1080i/P, 720P, D1(NSTC, PAL)
	Coding	H.264 (HP/MP/BP)
Audio	Input	4 x AES pair in HD-SDI(AES_EBU), 1 x Analog Stereo Pair
	Output	4 x AES pair in HD-SDI(AES_EBU), 1 x Analog Stereo Pair
	Coding	Dolby Pass-Thru(Relay), AAC, G.711, G.726, etc
Network Interface		1 x 10/100/1000Mbps Gigabit Ethernet, 1 x RS232 Interface for Console
Protocol		RTSP (TCP, UDP), RTP



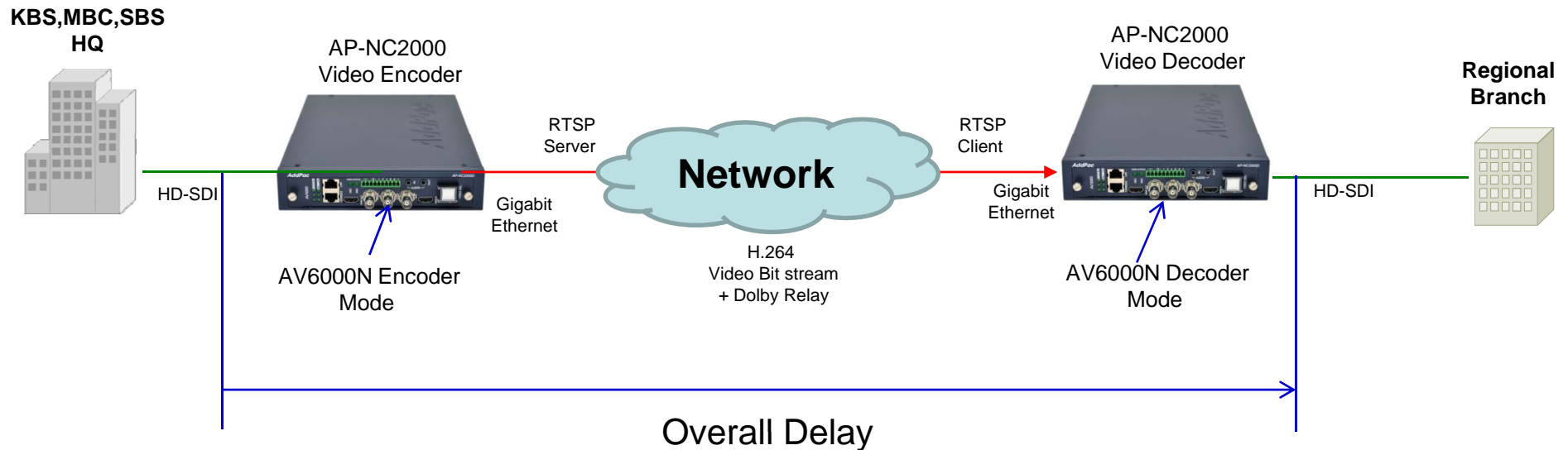
# AV6000N IP Video Codec Latency

AV6000N Full HD Video Codec Module



# AV6000N IP Video Codec Latency

## AV6000N Full HD Video Codec Module



Overall Delay =< 165msec + **Network Delay** + **RTP Rx Buffering Delay**

# Hardware Platform for AV6000N (Example)

## AV6000N Full HD Video Codec Module

AP-NC2000 Front View



AV6000N Full HD Video Module



AC Power Input

Power On/Off Switch

# AP-SDS2000 HD Video Streaming Server



# Product Overview

## AP-SDS2000 HD Streaming Server

- RTSP based Full HD/HD/D1 Streaming Server
- Embedded H/W Platform with Dual CPU Module Slots
- Fault Tolerant and Reliability Service
- RTSP Server & Client Architecture
- HD Video Encoder, HD Video Decoder, HD Storage Server, HD Display Server RTSP based Interworking
- Maximum 32 Channel HD Video Bit-Stream Input
- Maximum 64 Channel HD Video Bit-Stream Output
- Load Balance using RTSP Redirect Service
- Server Function for Web based Smart DVR Manager
- HD Video Solution with Outstanding Network Service Capability

# Benefits and Features

## AP-SDS2000 HD Streaming Server

- RTSP based Streaming Service for Full HD, HD, D1 Video Bit Stream
- TCP/UDP Transport Protocol Support
- Two(2) Module Slots for HD Streaming Server
- Embedded Streaming Service Module
- Fault Tolerant and High Reliability Service using Dual Streaming Service CPU Module
- Load Balance and Hot-Swap Service
- Compact Size, Low Noise and Low Power Consumption compare with Commercial Server
- IP based Network Protocol Support
- Video Application
  - Network Surveillance Solution

# Hardware Specification

## AP-SDS2000 HD Streaming Server

High-end  
DSP

- High-end Programmable RISC Hardware Architecture
- Two(2) Module Slots for HD Streaming Service
- Smart DVR Streaming Service Module (AP-SDSM)
  - Network Interface
    - Two(2) 10/100/1000Mbps Gigabit Ethernet
    - One(1) Console Port



# Hardware Specification

AP-SDS2000 HD Streaming Server

High-end  
RISC

AP-SDS2000 Front View



HD Streaming Service Module



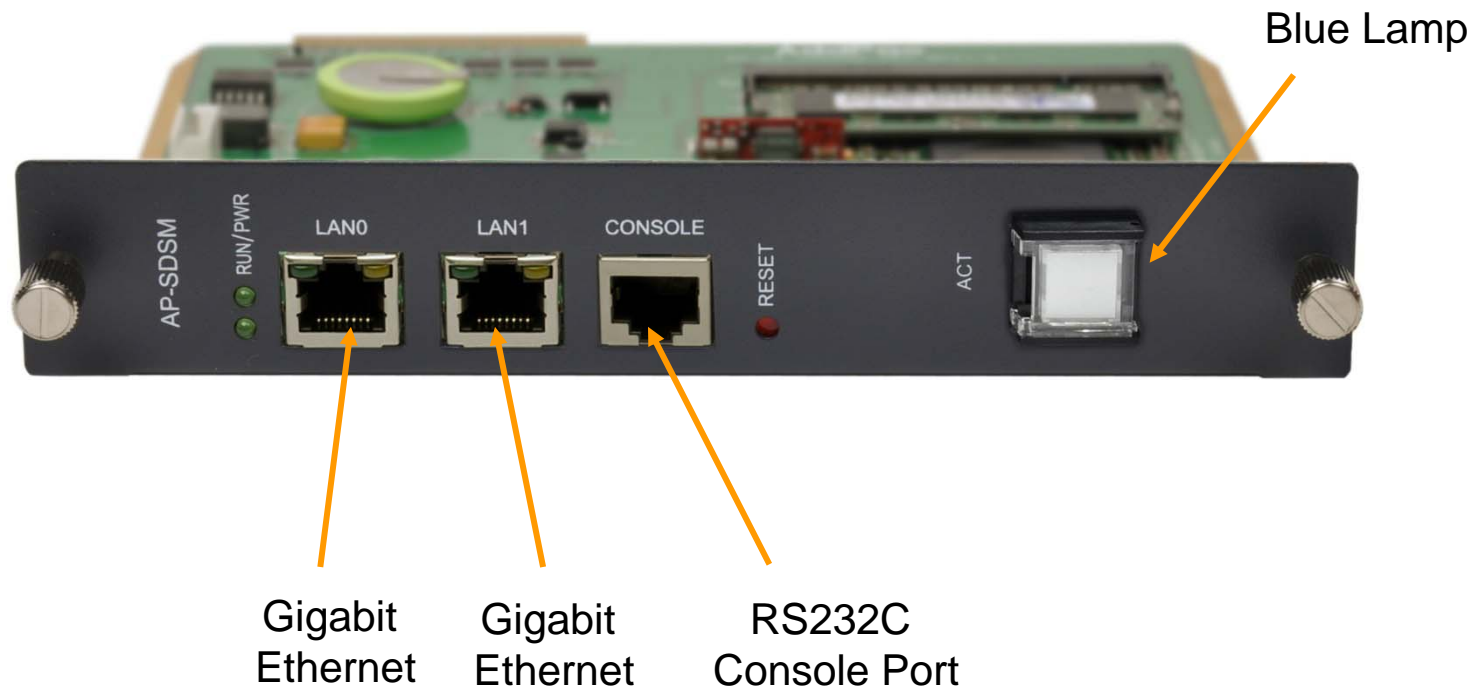


# Hardware Specification

AP-SDS2000 HD Streaming Server

High-end  
DSP

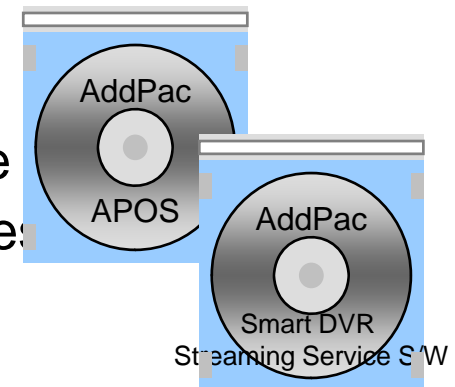
## AP-SDSM Streaming Service Module



# Software Service

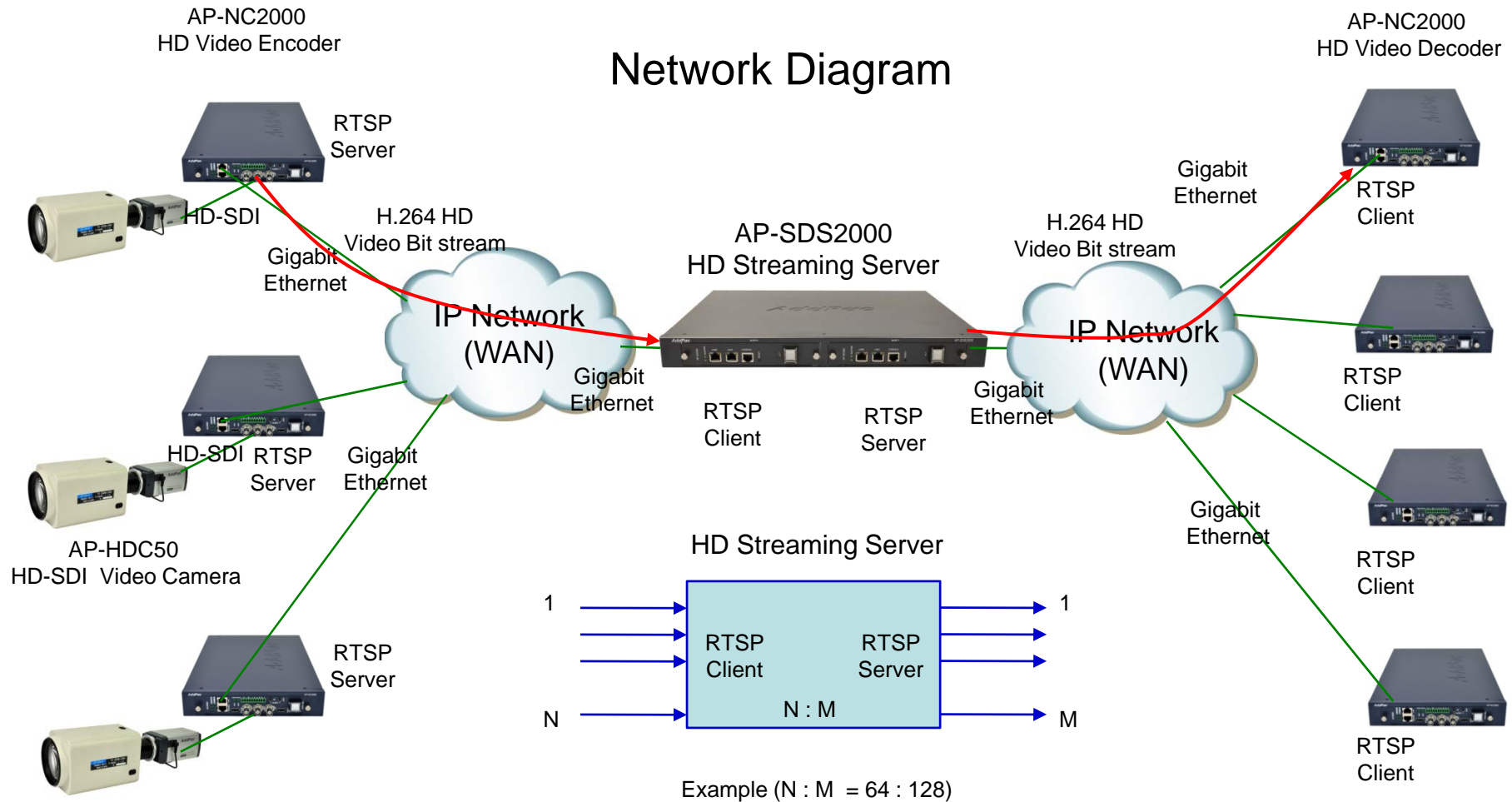
## AP-SDS2000 HD Streaming Server

- Built-in AddPac APOS Internetworking Software
  - Scalability, Functionality, and Stability Features
  - Video Traffic QoS Control
- Firmware Upgradeable RISC Computing Architecture
- Industry Standard IP based Network Protocol Features
- RTSP based HD Streaming Service
  - Server and Client Architecture
  - TCP/UDP RTSP server/client support
  - Various RTSP Device Support (Video Encoder/Decoder, Recording Server, Display System, etc)
- Smart NMS (Network Management System) for DVR Solution



# RTSP based Streaming Service Diagram

## AP-SDS2000 HD Streaming Server



# Network Service and Features

## AP-SDS2000 HD Streaming Server

- RTSP (Real Time Streaming Protocol)
  - TCP transport
  - [Session Description Protocol](#) (SDP)
- Load balance
  - 302 Moved Temporarily
  - REDIRECT method (**Optional, when the client support REDIRECT**)
- Video and Audio Support
  - Video Only
  - Audio Only
  - Video + Audio

# Network Service and Features

## AP-SDS2000 HD Streaming Server

- Network Managements
  - Standard SNMP Agent (MIB v2) Support
  - Remote Management using Console, Telnet
  - Web based Management using HTTP Server Interface
- Security Functions
  - Standard & Extended IP Access List
  - Enable/Disable for Specific Network Protocols
  - Multi-level User Account Management
  - Auto-disconnect for Telnet/Console Sessions
  - PPP User Authentication Supports (PAP & CHAP)
- Operation & Managements
  - System Performance Analysis for Process, CPU, Connection Interface
  - Debugging, System Auditing, and Diagnostics Support
  - System Booting and Auto-rebooting with Watchdog Feature
  - System Managements with Data Logging
  - IP Traffic Statistics with Accounting

# AP-SDRS5000 RTSP based HD/D1 NVR Storage Server Solution



# Contents

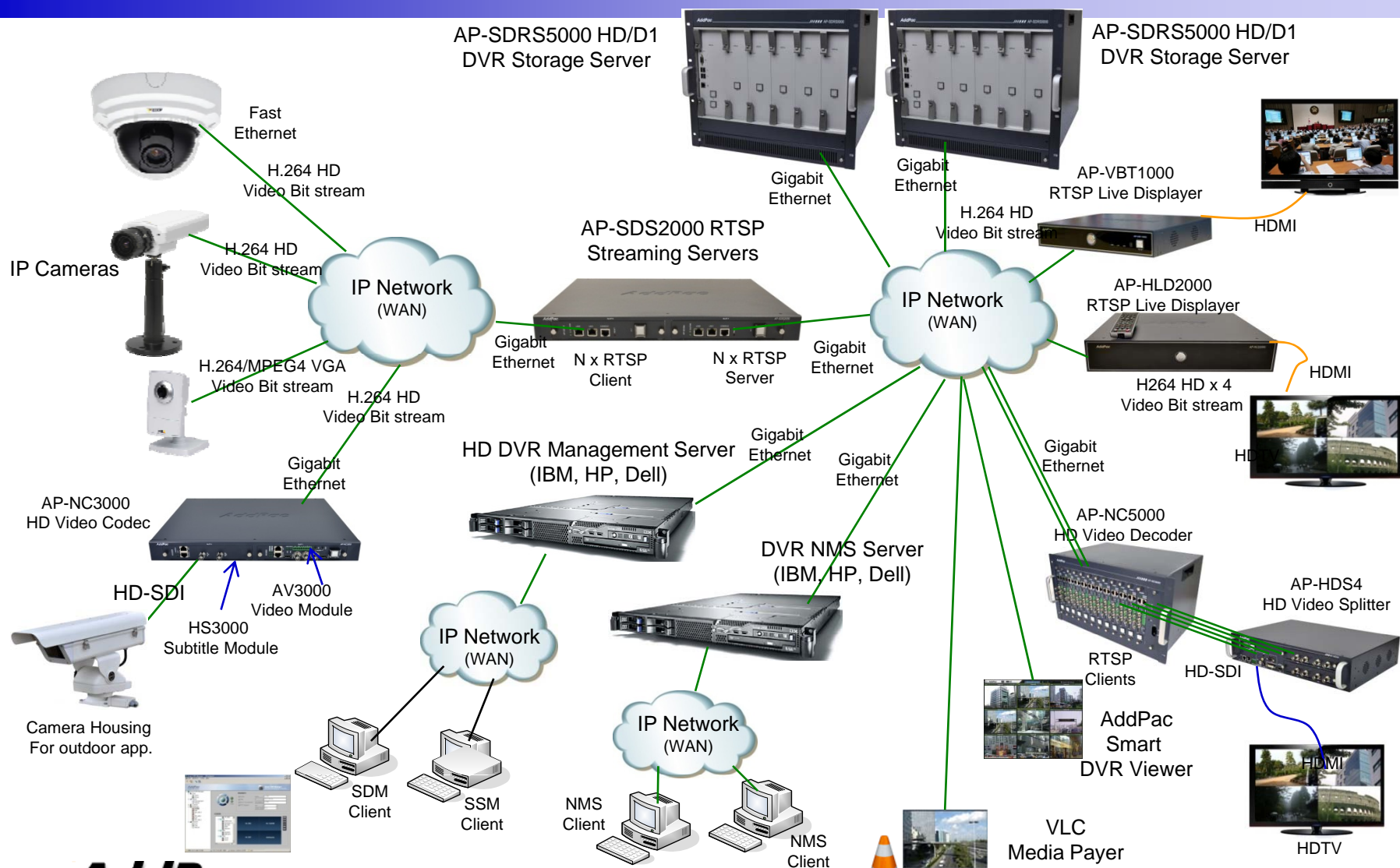
- HD NVR Storage Server Service Diagram
  - Medium & Large Scale NVR Solution
  - Small Scale NVR Solution
- HD NVR Storage Server Protocol Block Diagram
  - Medium & Large Scale NVR Solution
  - Small Scale NVR Solution
- Basic RTSP Message Flow
- HD NVR Storage Solution Component Features
  - AP-SDRS5000 HD NVR Storage Server
  - Smart DVR Manager
  - Smart DVR Media Manager



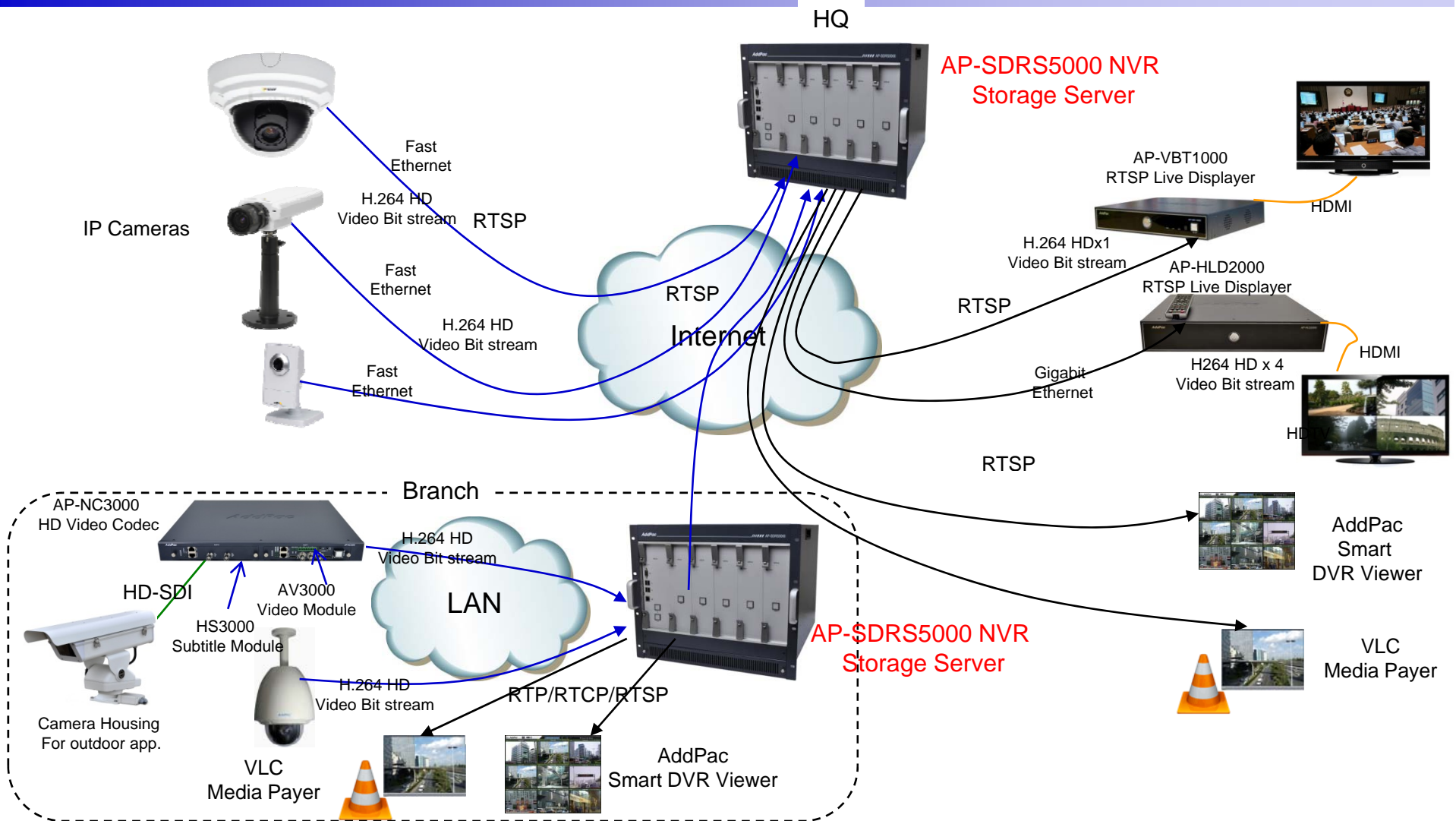
# HD NVR Storage Server Service Diagram




# HD NVR Service Diagram (Large Scale)



# HD NVR Service Diagram (Small Scale)

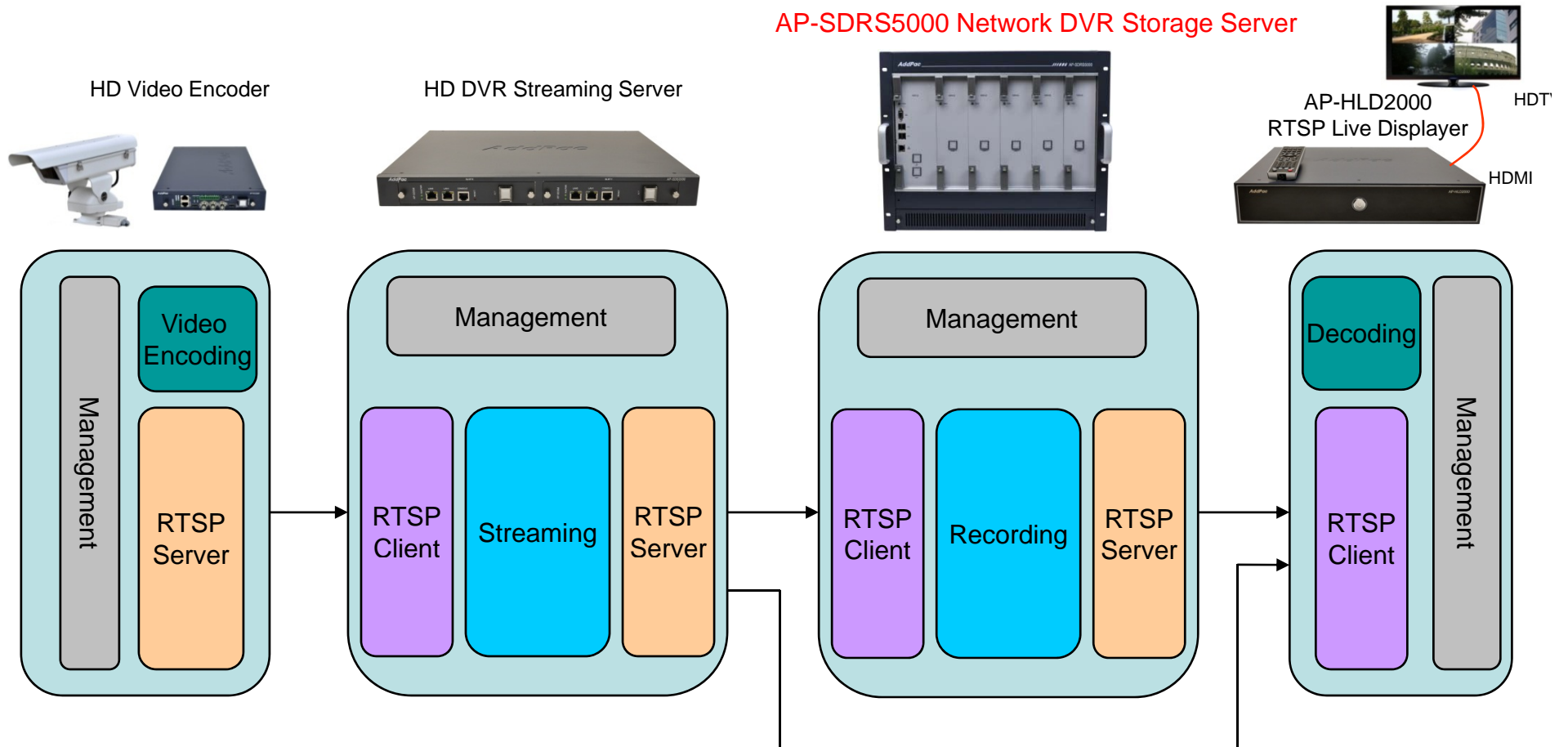




# HD NVR Storage Server Protocol Block Diagram

# NVR Storage Server Protocol Block Diagram

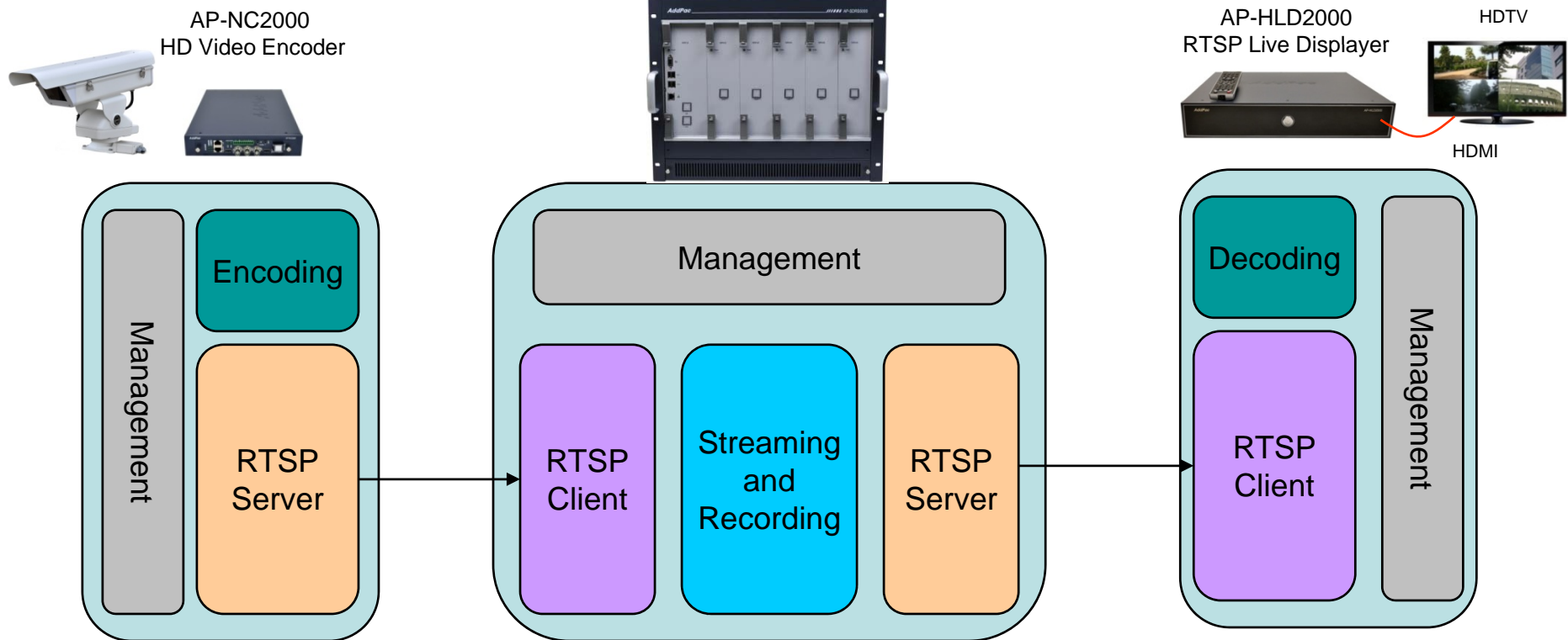
## Medium & Large Scale Network DVR Solution



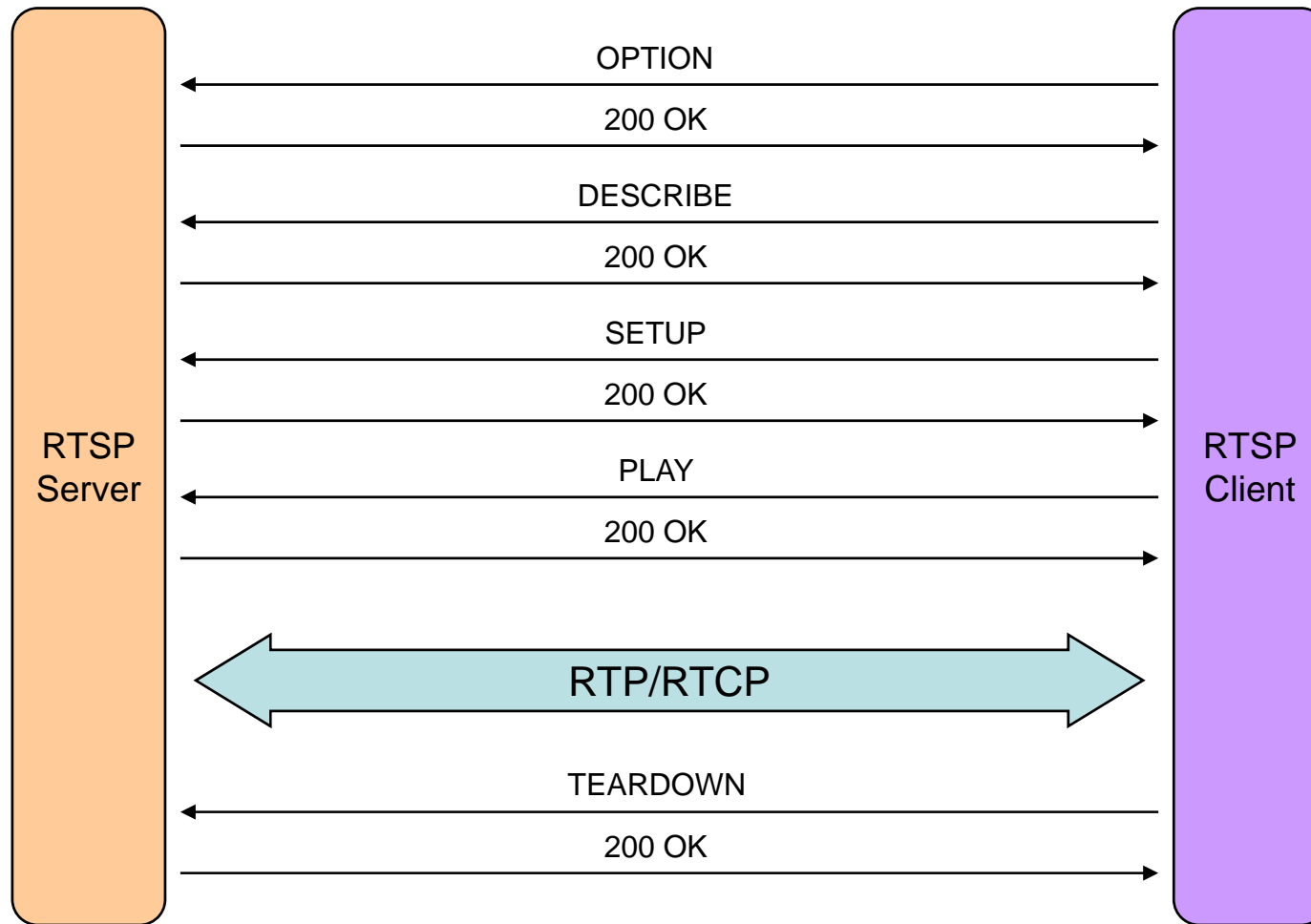
# NVR Storage Server Protocol Block Diagram

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

AP-SDRS5000 Network DVR Storage Server



# Basic RTSP Message Flow





# HD NVR Storage Solution Component Features



# AP-SDRS5000 HD NVR Storage Server



# Product Overview

## AP-SDRS5000 HD NVR Storage Server

- High-Performance HD/D1 Network DVR Features
- Linux Operating System
- 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
- Module Type High Performance Processor Board Assembly
- Module Type Hard Disk Board Assembly
- Module Type Dual Power Supply for Power Redundancy
- Up to 5 x 3.5Inch Hard Disk (SATA Type, 2Tera or 4Tera Byte Support)
- One(1) 10/100/1000Mbps Gigabit Ethernet Interface
- USB Interface Support

# Hardware Specification

## AP-SDRS5000 HD NVR Storage Server

High End  
Processor

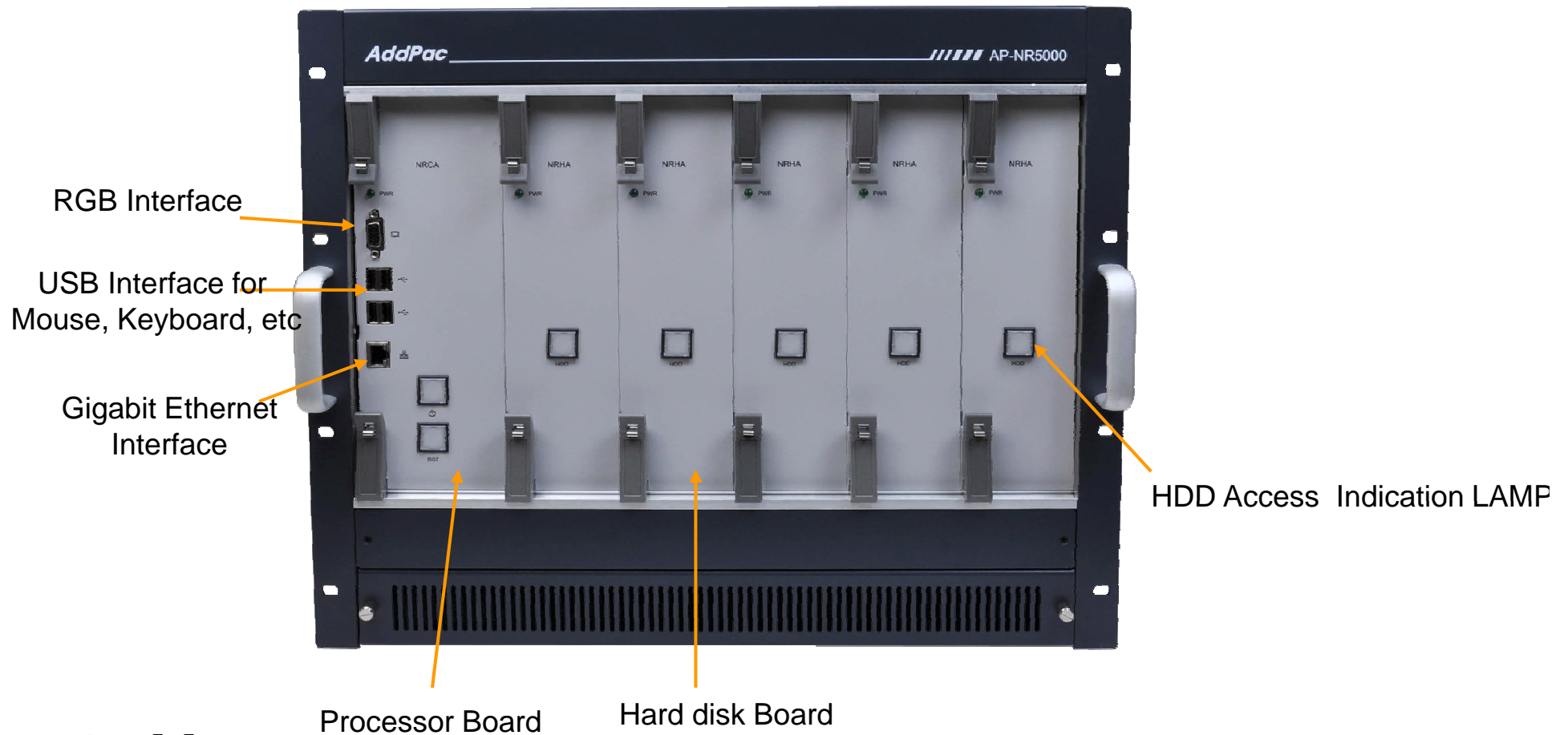
- High Performance Computing Power
- Main Processor Board
  - Network Interface
    - One(1) 10/100/1000Mbps Gigabit Ethernet
  - Video Output Interface
    - RGB Video Output
  - USB 2.0 Interfaces for Mouse, Keyboard, etc
- Hard Disk Board
  - Module Type Design
  - Up Five(5) Hard Disk Slots
  - 10~20 Tera HDD Capacity
- Power Supply
  - Dual Power Supply for Power Redundancy
  - Module Type Power Supply

# Hardware Specification

AP-SDRS5000 HD NVR Storage Server

High End  
Processor

## AP-SDRS5000 Front Side



**AddPac**

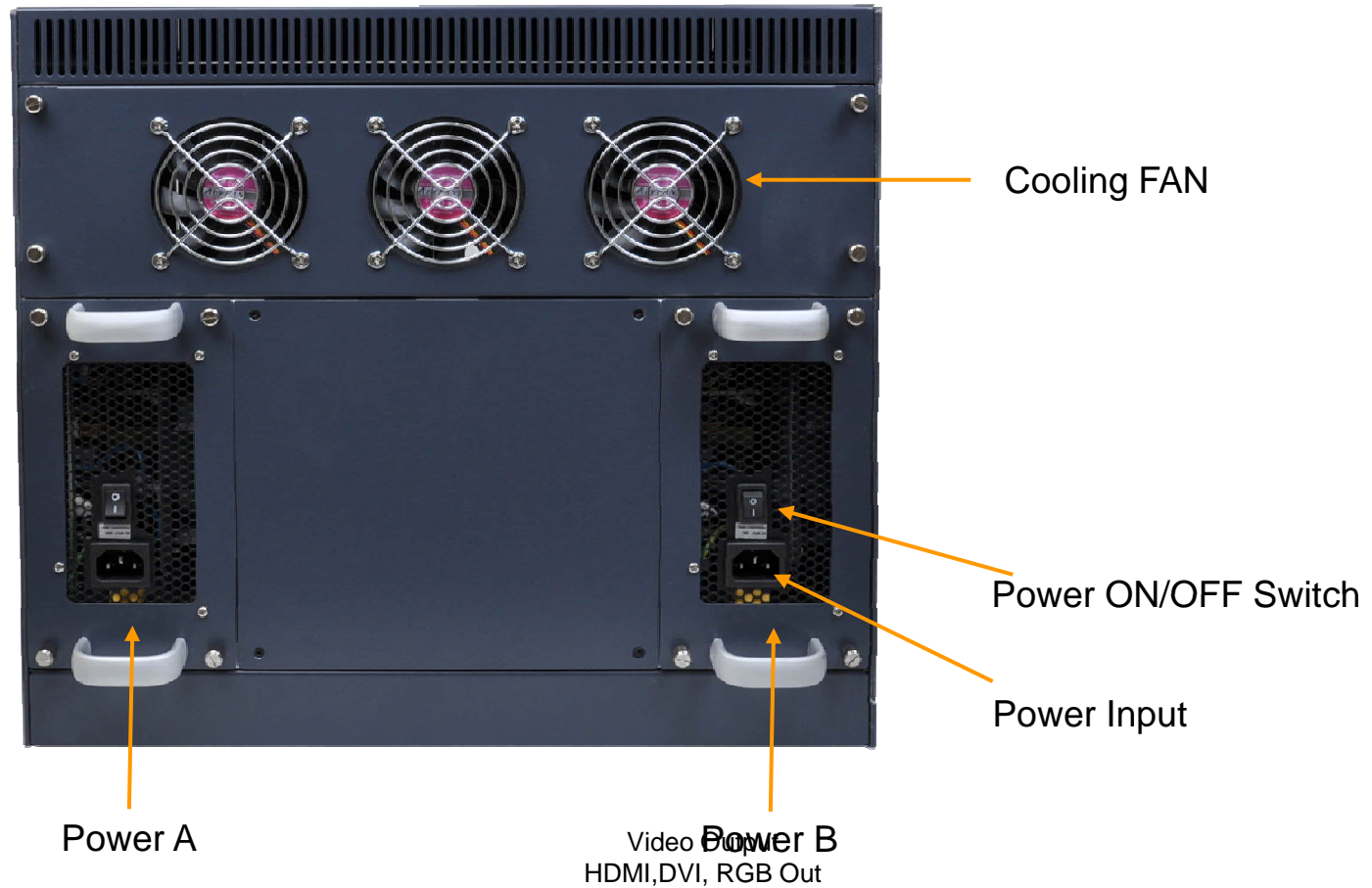
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# Hardware Specification

AP-SDRS5000 HD NVR Storage Server

High End Processor

## AP-NR5000 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

The screenshot shows the Smart DVR Manager interface with the following components and callouts:

- Camera Searching:** A search bar at the top left of the main content area.
- System User configuration:** A section on the right containing a "Server Port" field set to 8020.
- Camera List:** A table on the right side of the interface.
- Session Monitoring:** A section on the right containing a "Viewer List" table with 10 user licenses.
- Login User Monitoring:** A section on the right containing a "Manager List" table with 5 user licenses.

The left sidebar shows a tree view of the system structure for IP 172.16.14.113, including sections for User, Server, Management, Diagnostic, Record, Stream, Camera (with sub-items 3층창문\_HD and 옥상\_HD), Relay, and Session (with sub-items Live, Play, Record, Sequence, and Map).

User	IP
root	172.16.1.14
root	172.16.1.14
root	172.16.34.2

Viewer List	Manager List
[10] User Licensed	[5] User Licensed

Bottom status bar: 2010-03-12 오후 3:42:59 | 172.16.14.113 : 8020 | Version 2.1.3723 | root | Viewer : 0 Manager : 3



# Smart DVR Manager : Recording File Searching

The screenshot displays the Smart DVR Manager web interface. On the left is a navigation tree for IP address 172.16.14.113, with the 'Record' option selected. The main area shows a 'Record History' table with three entries. A yellow box labeled 'Recording Media Searching Result' points to the table. Above the table, a yellow box labeled 'Recording File Download' points to a download icon, and another yellow box labeled 'Excel Exporting' points to an Excel icon. A yellow box labeled 'Recording Media Management' points to the 'Record' option in the navigation tree. The status bar at the bottom shows 'Total 3 results found.' and system information.

CameraNa...	StartTime	EndTime	Duration	URL	Camera Gr...	User ID	Description	Video Size	FPS
옥상_HD	2010-03-1...	2010-03-1...	00:00:00	file/1001v...	/	root	no contents	1280X720	30
옥상_HD	2010-03-1...	2010-03-1...	00:00:10	file/1001v...	/	root	no contents	1280X720	30
옥상_HD	2010-03-1...	2010-03-1...	00:00:39	file/1001v...	/	root	no contents	1280X720	30

# Smart DVR Manager : Advanced Recording Searching

Smart DVR Manager

File Tool Configuration Help

Smart DVR Recording Server

Advanced Searching

Record History

CameraNa...	StartTime	EndTime	Duration	URL
목상_HD	2010-03-1...	2010-03-1...	00:00:00	file/100
목상_HD	2010-03-1...	2010-03-1...	00:00:10	file/100
목상_HD	2010-03-1...	2010-03-1...	00:00:39	file/100

Total 3 results found.

2010-03-12 오후 3:44:48 | 172.16.14.113 : 8020 | Version 2.1.3723 | root | Group : 0 Camera : 2 (Active : 2) Seq : 0

**Advanced Searching Menu**

**Advanced Search**

Record Time FROM 2010-03-12 오전 12:00:00 TO 2010-03-12 오후 11:59:59

Content Relation

Camera Name like 3	AND
Time 2010-03-12 오전 12:00:00 ~ 2010-03-12 오후 11:59:59	NONE

**Advanced Searching Rules**

**Selected Searching Rule Clear**

**Searching Rule All Clear**

Search Cancel

# Smart DVR Manager : System Monitoring

The screenshot displays the Smart DVR Manager interface for a Stream Server. The main window is titled "Smart DVR Manager - [Stream Server]" and includes a menu bar with "File", "Tool", "Configuration", and "Help". The interface is divided into several sections:

- System Monitor:** This section is highlighted with a blue dashed box and contains four monitoring graphs:
  - CPU Usage:** A gauge showing 0% usage.
  - CPU History:** A line graph showing CPU usage over time.
  - Memory Usage:** A gauge showing 24 MB usage.
  - Memory History:** A line graph showing memory usage over time.
- Disk Monitoring:** This section is highlighted with a yellow box and shows a table of memory usage and a disk usage bar chart.

Memory	Value
Total	964608 KB
Used	25300 KB

IP: 172.16.14.113

HDD: 178.48 GB (46.82 GB used)
- File Manager:** A tree view on the left side of the interface shows the directory structure for the server, including folders for "User", "Server", "Camera", "Relay", "Session", and "Map".

The status bar at the bottom of the window displays the date and time "2010-03-12 오후 3:48:09", the IP address "172.16.14.113 : 8020", the version "Version 2.1.3723", and the current user "root".

# Smart DVR Manager : Schedule

**User Defined Schedule Lists**

**Delete Schedule**

**Weekly and Daily Time Schedule**

**Add Schedule**

**User define Special Day**

**Set Special Day using calendar**

**General Schedule**

Week	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								
Sun																								
Holiday																								

**Special Day**

Special Day	Duration
2010-03-19	00:00-00:00
2010-03-28	00:00-00:00



# 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

카메라 이름	IP 주소	그룹	설명	녹화시간	진행시간	파일 이름	파일 크기
3층청문_HD	172.16.23.97	/	(null)	2010-03-12 15:4...	00:00:09	2010031206474...	8,890 KB
3층청문_HD	172.16.23.97	/	(null)	2010-03-12 11:4...	00:00:00	2010031202450...	214,637 KB
3층청문_HD	172.16.23.97	/	(null)	2010-03-12 10:0...	00:24:17	2010031201065...	1,424,769 KB
3층청문_HD	172.16.23.97	/	(null)	2010-03-12 10:0...	00:00:00	2010031201025...	90,190 KB
3층청문_HD	172.16.23.97	/	(null)	2010-03-11 17:3...	00:00:00	2010031108373...	286,144 KB

# Smart DVR Media Manager : Recorded File Upload / Download

The screenshot displays the Smart DVR Media Manager interface. A central 'Download' dialog box is open, showing a list of files to be downloaded from a remote database. The dialog also includes progress bars for file transfer and conversion, and options for file conversion and deletion.

**Download Dialog Box:**

- Total : 2
- Progress Time : 00:00:03

파일 이름	총 시간	파일 크기	녹화시간	상태
20100312064746.pma	00:00:09	8,890 KB	2010-03-12 15:4...	Done
20100312024507.pma	00:00:00	214,637 KB	2010-03-12 11:4...	Downlo...

**File Transfer Progress:**

- 980095015124/2010/03/12/20100312024507.pma downloading.. (2/2)
- Progress: 17%
- 받은 크기 : 38,438,428 / 219,787,909 Bytes
- 전체 크기 : 47,541,688 / 228,891,169 Bytes
- Transfer Time : 00:00:03

**File Conversion Progress:**

- 파일 변환 (\*.PMA to \*.AVI)
- Converting.. D:\work\sdv\sdmm\sdmm\bin\Debug\record\980095015124\2010\03\12\20100312064746.p
- Progress: 68%
- Converting Time : 00:00:03

**Background Interface:**

- Left Panel: AddPac Smart DVR Series, 서버 (Remote Database (172.16.14.113), 3층창문\_HD (5), 옥상\_HD (3)), Local Database (옥상\_HD (3)).
- Right Panel: Smart DVR Manager, AddPac Technology, File List (File Name, File Size).

**Callouts:**

- Recorded File List for File Backup : File Name, Recording Duration Time, File Size, File Backup Status
- Display the File Transfer Progress Status for Backup (Server to Local PC)
- Display File Conversion Progress Status : PMA to AVI format (Option), etc

System tray: 2010-03-12 오후 5:22:47, version 1.0.3723, 172.16.14.113 : 8020, root, Scheduler waiting



# Smart DVR Media Manager : Media Replay

The screenshot displays the AddPac Smart DVR Media Manager software interface. The main window shows a list of recorded files with columns for camera name, IP address, group, description, recording time, playback time, file name, and file size. A yellow callout box points to the VLC media player window, which is playing a recorded file. The VLC window title is "rtsp://172.16.14.113:554/file/1001/video1/20100311054337.pma - VLC 미디어 플레이어". The video content shows a busy street scene with cars and buildings, with Korean text overlaid: "경인선 도화-3 (전환중)".

Recorded File Replay  
- Recorded File Replay at Server or Local PC using media Player

카메라 이름	IP 주소	그룹	설명	녹화시간	진행시간	파일 이름	파일 크기
옥상_HD	172.17.120.99	/	(null)	2010-03-11 14:4...	00:00:39	2010031105433...	39,052 KB
옥상_HD	172.17.120.99	/	(null)	2010-03-11 14:2...	00:00:10	2010031105252...	10,298 KB
옥상_HD	172.17.120.99	/	(null)	2010-03-11 14:0...	00:00:00	2010031105015...	436 Byte

# Smart DVR Media Manager : Media File Attribute

스마트 DVR 미디어 관리 프로그램

파일 관리 도움말

AddPac Smart DVR Series

Smart DVR Manager AddPac Technology

서버 > 새로 고침

Remote Database (172.16.14.113:6) 카메라 이름  
3층창문\_HD (5) 옥상\_HD  
옥상\_HD (3) 옥상\_HD

Local Database 카메라 이름  
3층창문\_HD (2) 옥상\_HD (3) 옥상\_HD

Records: 3

Records: 0 Search Constraints :

2010-03-12 오후 5:26:28 version 1.0.3723 172.16.14.113 : 8020 root Scheduler waiting

녹화파일 속성

속성 이름	값
Record ID	3
Comment	No Comment
Camera GUID	745430054867
Camera Name	옥상_HD
Camera Group	/
Camera URL	rtsp://172.16.14.113/1001/video1
Camera IP Address	172.17.120.99
Description	(null)
Video Codec	H264
Video Bandwidth	8192
Resolution	1280*720
FPS	30
Audio Codec	G711A
Audio Bandwidth	8192
SDP	
Start Time	2010-03-11 14:43:37
End Time	2010-03-11 14:44:16
Duration	00:00:39
File Directory	745430054867/2010/03/11/
File Name	20100311054337.pma
File Size	39,052 KB
File URL	file://1001/video1/20100311054337.p...
User	AddPac (root)

Recorded File Attribute Display

진행시간	파일 이름	파일 크기	
14:4...	00:00:39	2010031105433...	39,052 KB
14:2...	00:00:10	2010031105252...	10,298 KB
14:0...	00:00:00	2010031105015...	436 Byte

진행시간	파일 이름	파일 크기
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# Smart DVR Media Manager : Schedule

**Schedule Backup Configuration :**  
Scheduled Backup Configuration for Automatic File Backup  
- Start Time, Repetition (Daily, Weekly, Monthly)





**Schedule Backup Option**  
-Backup Duration, File Delete, File Conversion, Camera Setting, etc



# Full HD Video Transmission Codec Module Hardware Platform

# Hardware Platform for Full HD Video Codec Module

## Full HD Video Codec Module

	AP-NC2000	AP-NC3000	AP-NC3500	AP-NC5000
Model				
Module Slot	1 Module Slot	2 Module Slot	4 Module Slots	10 Module Slots
Power Supply	Internal Power Module(AC)	Internal Power Module (AC)	Internal Power Module (AC)	Internal Power Module (AC)
Power Type	Built-In	Built-In	Built-In	Module Type

# Hardware Platform for AV3500 (Example)

Full HD Video Codec Module

AP-NC2000 Front View



AV3500 Full HD Video Module



AC Power Input

Power On/Off Switch



# Thank you!

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