

# AV6000NA

## D1 Video Codec Module

High-performance Network CCTV Solution

High Quality H.264 D1 Video Encoder  
(NTSC, PAL)



**AddPac**

**AddPac Technology**

Sales and Marketing

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# Product Overview

## AV6000NA D1 Video Codec Module

- High Quality Analog Video Encoding/Decoding Service Features
- Video Codec : H.264 HP/MP/BP AVC Video Codec
- Video Input/Output Interface : Analog (NTSC, PAL)
- Dual Bit Streaming Support (D1, CIF)
- RTSP/RTP, TCP/UDP Protocol Support
- IP based Network Surveillance Solution
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Web based Management Service
- AP-NC2000D, AP-NC2000, AP-NC3000, AP-NC5000 Platform Available

# Hardware Specification

## AV6000NA D1 Video Codec Module



- **RISC + Video Processor Computing Power**
- **AV6000NA Video Module**
  - **Network Interface**
    - One(1) 10/100/1000Mbps Gigabit Ethernet
  - **Video Interface**
    - One(1) Channel CVBS Input or Output (selected by DIP Switch)
  - **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

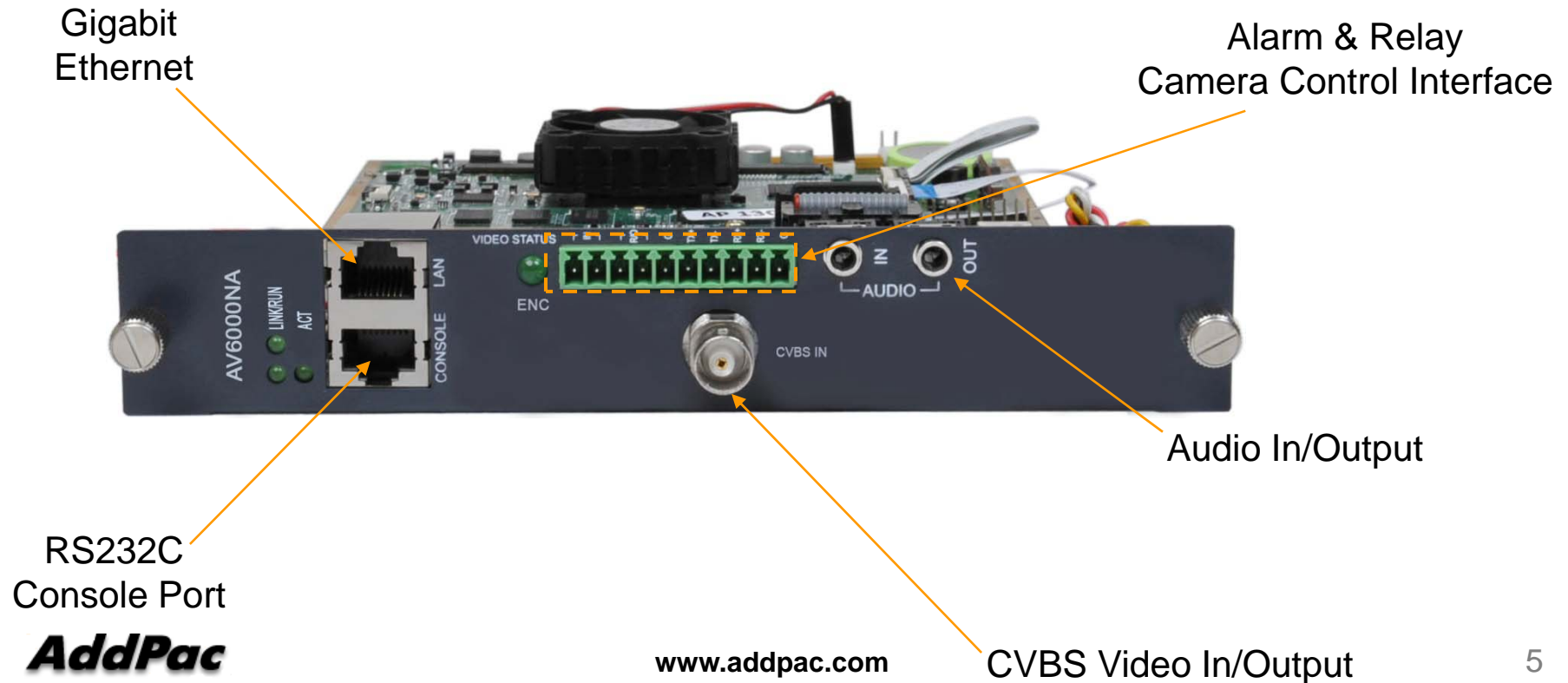
AV6000NA D1 Video Codec Module

RISC  
CPU

High-End  
VP

## Hardware Module Specification

AV6000NA D1 Video Encoder/Decoder Module(H.264)



# Hardware Specification

## AV6000NA D1 Video Codec Module

### Hardware Specification



AV6000NA D1 Video Codec Module



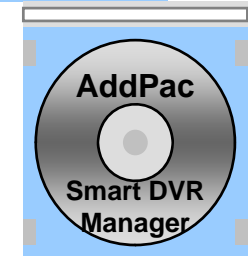
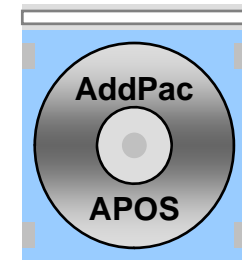
Power On/Off Switch

DC Power Supply

# Software Service

## AV6000NA D1 Video Codec Module

- Built-in AddPac APOS Internetworking Software
  - Scalability, Functionality, and Stability Features
  - Full HD Video Encoding/Decoding Service Features
  - Video Upscale and Downscaling Service
- Firmware Upgradeable Architecture
- Industry Standard Network Protocol Features
- Highly User Friendly Management Features
  - Smart DVR Manager
  - Telnet or RS-232C based Command Line Interface



# Concurrent Triple Bit Stream Matrix

AV6000NS Full HD Video Codec Module

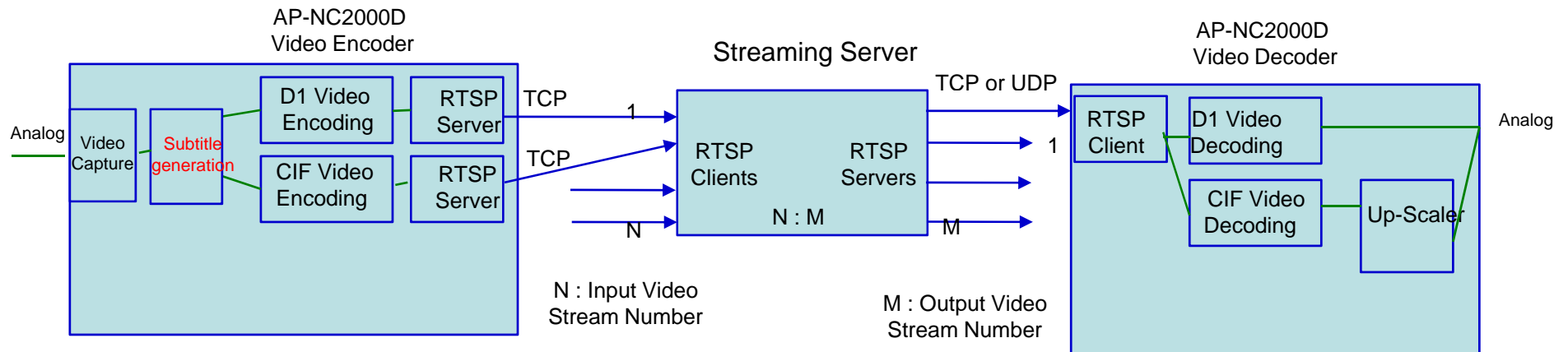
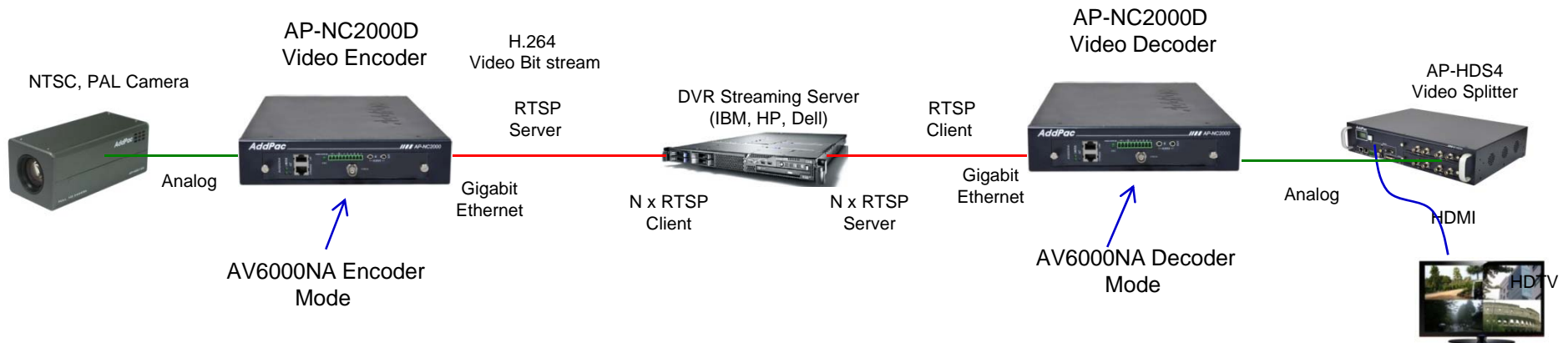
## Dual Video Encoding Bit Stream Matrix

Video Input	Concurrent Video Encoding Bit Stream	
	CIF	D1
Analog Video Input (NSTC/PAL)	Available	Available



# RTSP Service Network Diagram

## AV6000NA D1 Video Codec Module



Example (N : M = 64 : 128)

# RTSP Service Features

## AV6000NA D1 Video Codec Module

- AV6000NA Video Encoder Mode
  - RTSP Server Mode
  - Multi-Channel RTSP Server Mode  
( D1, CIF Dual Encoding Mode)
  - RTSP, TCP Protocol Support for Error Robust Service
- AV6000NS Video Decoder Mode
  - RTSP Client Mode
  - RTSP/TCP or RTSP/UDP Mode Support

# Video Codec Service Features

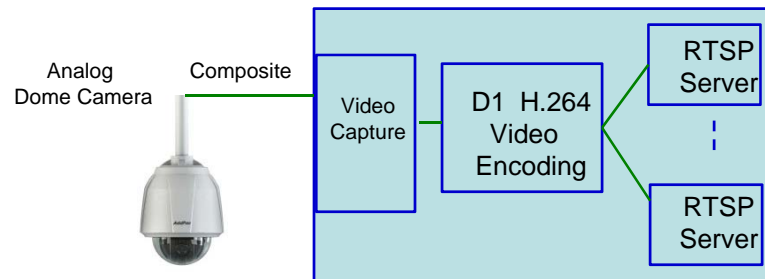
## AV6000NA D1 Video Codec Module

- AV6000NA Video Encoder Mode
  - H.264 D1(720x480) Single Encoding(Analog Input)
  - H.264 D1(720x480), CIF Dual Encoding(Analog Input)
- AV6000NA Video Decoder Mode
  - H.264 D1
  - H.264 CIF, Upscale to D1

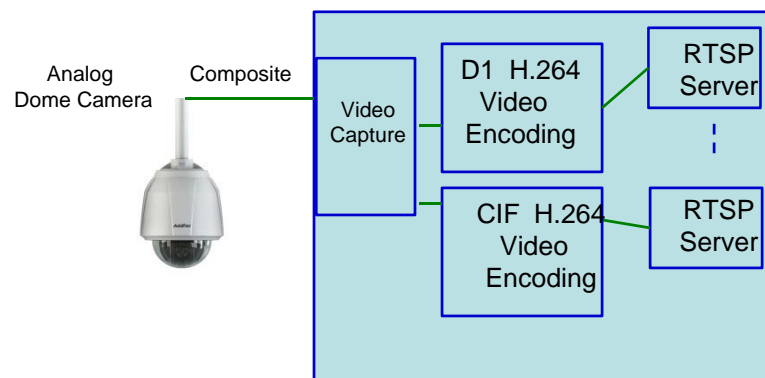
# Video Codec Service Features

## AV6000NS Full HD Video Codec Module

### AP-NC2000D Video Encoder



Single D1 H.264 Video Encoding



Dual H.264 Video Encoding

# Network Service and Features

## AV6000NS Full HD Video Codec Module

### Basic Network Protocols

- ARP, IPv4, TCP, UDP, ICMP, SCTP, IGMP, MLD

### Routing Protocol

- IPv4 : Static

### Service Protocol

- FTP, Telnet, TFTP, DHCP Server/Relay, SNMP Server
- CDP (Cisco Discovery Protocol)
- DNS Resolver , DDNS(nsupdate)
- Bridge
- Syslog

### IPv4 Address Configuration

- Fixed (Static)
- DHCP
- PPPoE

### Miscellaneous

- Standard & Extended IPv4 Access List
- Multi-level User Account Management
- IP accounting

# Ordering Information

- AV6000NA D1 Video Codec Module
  - Main Chassis (Option) : AP-NC2000D, AP-NC2000, AP-NC3000, AP-NC5000
  - 1-Port Gigabit Ethernet Interface
  - 1-Port RS232C Console Port
  - Analog Video Interface (NTSC, PAL)
  - Including Network Cable Set & Power Supply Cable, etc
- Built-in APOS Internetworking Software for AV6000NA Module
- 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](http://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](mailto:sales@addpac.com)