AV2000 High-End Video Codec Module

High-performance Network Surveillance Solution

D1/CIF Dual Video Encoding
Service Features for 3G Smart Phone



AddPac Technology

Sales and Marketing

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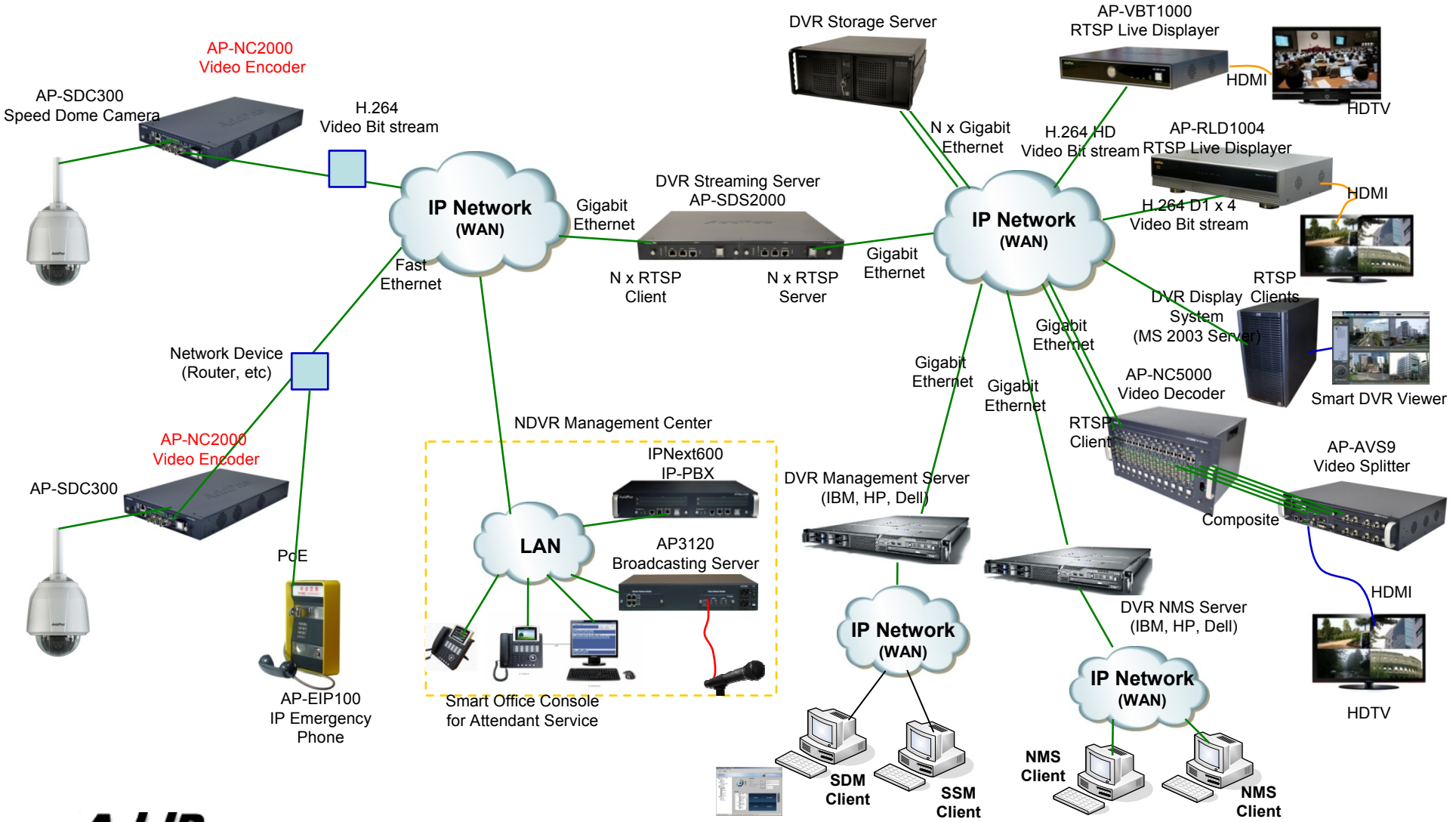
D1 Network DVR Service Diagram



AP-NC2000, AP-NC3000, AP-NC3500, AP-NC5000 Platform

AP-NC2000, AP-NC3000, AP-NC3500 Platforms

Model	AP-NC2000	AP-NC3000	AP-NC3500	AP-NC5000
				
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

AV2000 D1 Video Codec Modules

High-end DSP

Main Features

- IP based Audio/Video Encoding Solution
- Video Codec Support : H.264 BP/MP/HP
- One(1) Channel Video Input/Output Interface
- Dual Encoding Service Support (D1, CIF)
- Up to D1 Video Resolution, 30frame/sec
- RTSP, TCP/UDP Protocol Support
- Multi-Session RTSP Server Service
- IP based Network Surveillance Solution
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection
- Smart Web Interface

AV1200N D1 Video Codec Modules

High-end DSP

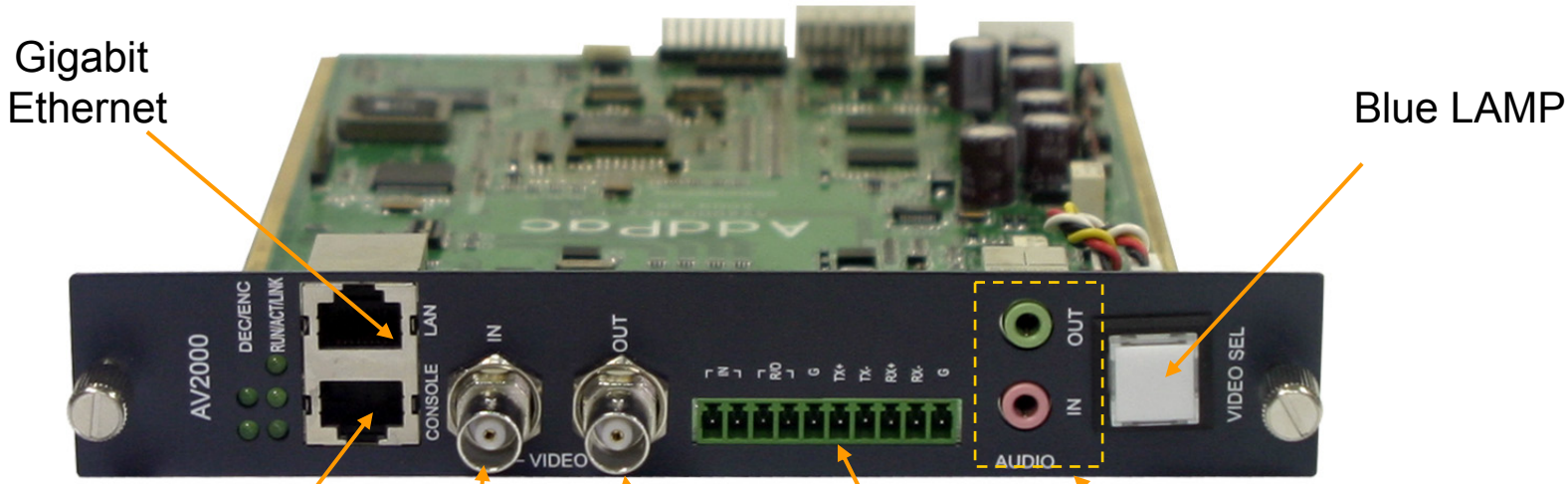
Hardware Specification

- High-end Video Processor Architecture
- Network Interface
  - One(1) 10/100Mbps Fast Ethernet (RJ45)
- Command Line Interface
  - One(1) RS-232C Interface (RJ45)
- Powerful Video Interface
  - Video Input : CVBS Video Input(BNC)
  - Video output : CVBS Video Output(BNC)
- High quality Audio Interface
  - One(1) Audio Stereo Input, Output channel
- Camera Control Interface
  - One(1) RS-232C, RS422, RS485 Interface for External Camera Control
- I/O Interface
  - 2 Alarm Input, 1 Relay Out

AV2000 D1 Video Codec Modules

Hardware Module Specification

AV2000 D1 Video Encoder/Decoder Module (H.264)



Gigabit Ethernet

Blue LAMP

RS232C Console Port

Video Input

Video Output

Alarm & Relay Camera Control Interface

Audio Input/Output

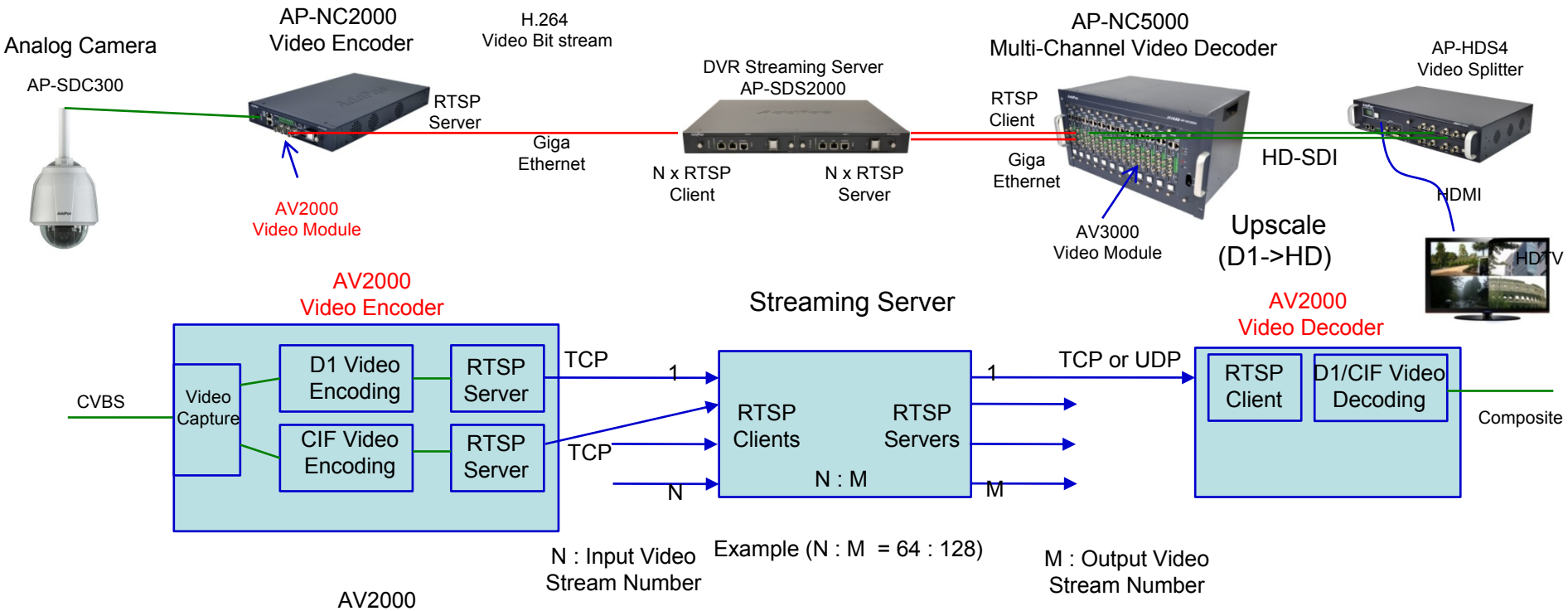
AV2000 D1 Video Codec Modules

High-end DSP

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



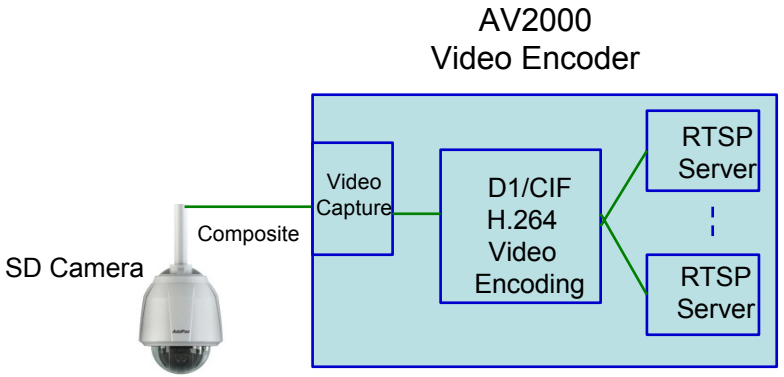
RTSP Service Features

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

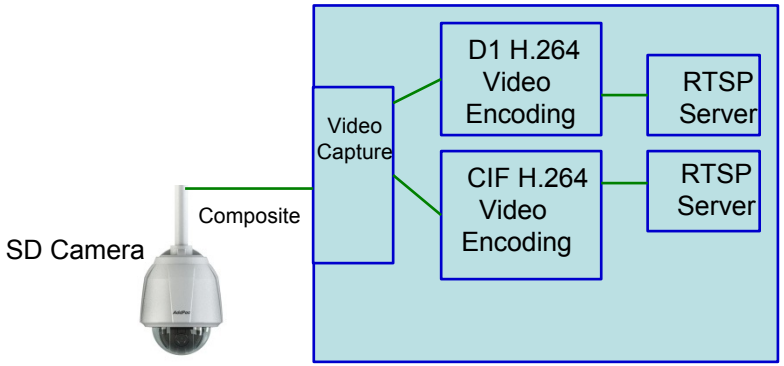
Video Codec Service Features

- AV2000 Video Encoder Mode
  - H.264 D1(720x480) Single Encoding
  - H.264 CIF(352x288) Single Encoding
  - H.264 D1, CIF Dual Encoding

Video Codec Service Features

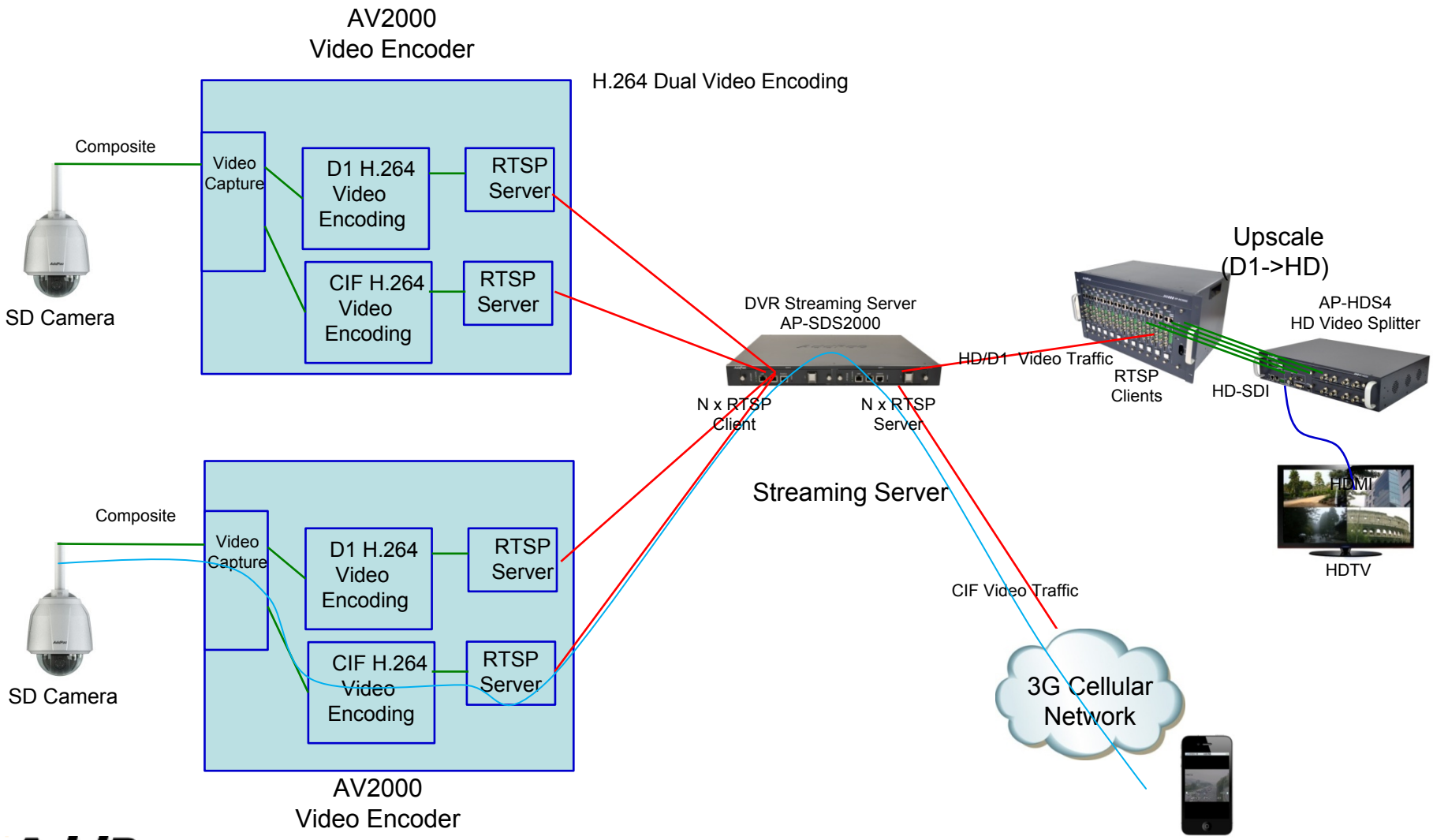


Single H.264 Video Encoding



Dual H.264 Video Encoding

Video Codec Service Features



Thank you!

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