HD IP Real-time Video Monitoring Solution for TV Channel



AddPac

AddPac Technology

Sales and Marketing

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  - HD IP Broadcasting Media Encoder
    : AP-VBS2000
  - HD IP Streaming Server: AP-SDS2000
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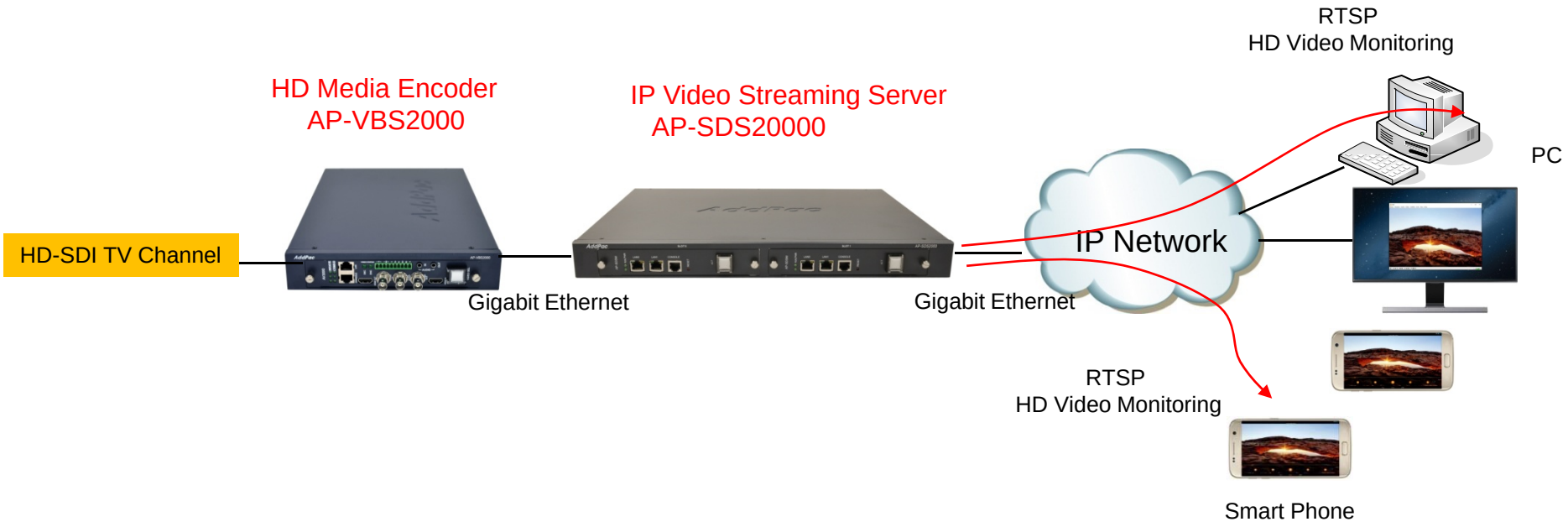
HD IP Real-time TV Channel Monitoring Solution



HD IP Broadcasting Media Encoder Solution AP-VBS2000

HD IP Broadcasting Media Encoder

AP-VBS2000 Video Media Encoder

Main Features

- IP based HD Video Broadcasting Service Solution
- High Performance Real-time Audio/Video Broadcasting Solution
- One(1) Module Slot for Video Media Encoder
- High-end Video Codec, H.264 High Profile
- Up to 30 frame/sec, 1080p,i Full HD, 720p HD Video Resolution Support
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- RTP, RTSP Protocol based Broadcasting Service
- IP based Network Protocol, Video/Voice Traffic QoS

HD IP Broadcasting Media Encoder

AP-VBS2000 Video Media Encoder

Hardware Specification

- High-End Video Processors + RSIC Processor
- Main Chassis
  - Power On/Off Switch
  - One(1) Video Encoder Module Slot
  - AV3500E HD Video Encoder Module
    - Network Interface
      - One(1) 10/100/1000Mbps Gigabit Ethernet
      - One(1) RS-232C Console (RJ45)
      - RS485/RS422/RS232 Interface
    - Video Interface (Input)
      - Component
      - HD-SDI Interface
      - HDMI Interface
    - Audio Interface (Input/Output)
      - RCA Stereo Connector

HD IP Broadcasting Media Encoder

AP-VBS2000 Video Media Encoder

Hardware Specification

AP-VBS2000 (AV3500) Front Side View



Gigabit
LAN Port

RS-232C Console
Interface

HD-SDI, HDMI
Video Input/Output
Analog Input/Output

Audio RCA

RS485/RS422/RS232C
Interface

Blue Lamp

Hardware Specification

AP-VBS2000 Back Side View



AC110~220V Free Voltage Power Inlet

Power On/Off Switch

HD IP Streaming Server Solution AP-SDS2000

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 Video Streaming Service Module (AP-SSM)
  - 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

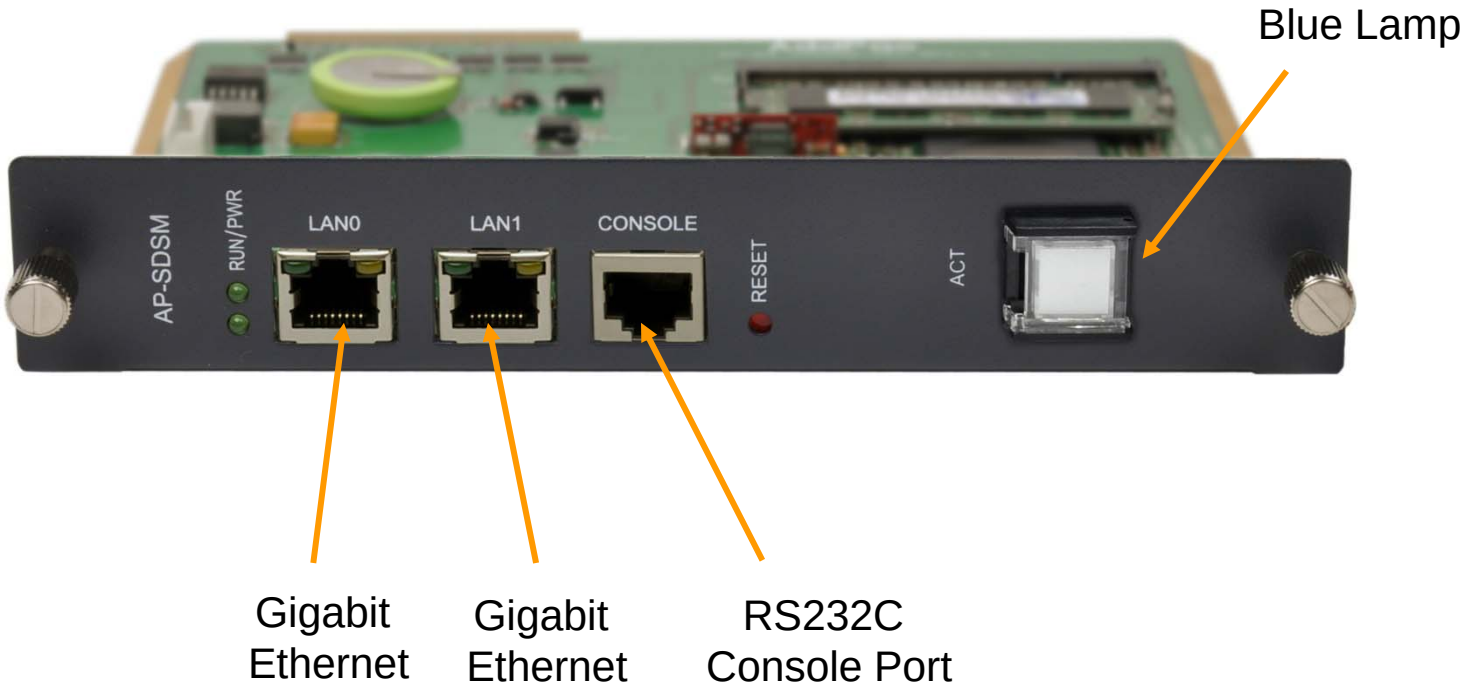


Hardware Specification

AP-SDS2000 HD Streaming Server

High-end DSP

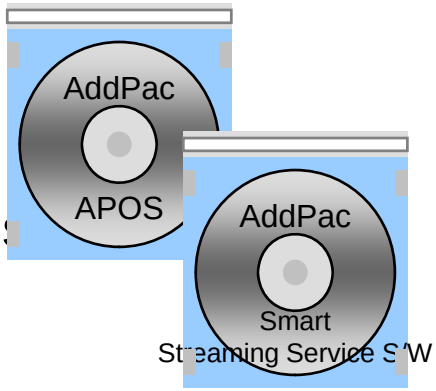
AP-SDSM Streaming Service Module



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)



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 REDIECT)
- Video and Audio Support
  - Video Only
  - Audio Only
  - Video + Audio

Thank you!

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