

AV3500™

Full HD Video Codec Module
High-performance IP HD Broadcasting Solution

Digital Audio Pass Through
(Dolby-D, AC-3, etc)



AddPac

AddPac Technology

2011, Sales and Marketing

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(Dolby-D, AC-3, etc)
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Product Overview

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

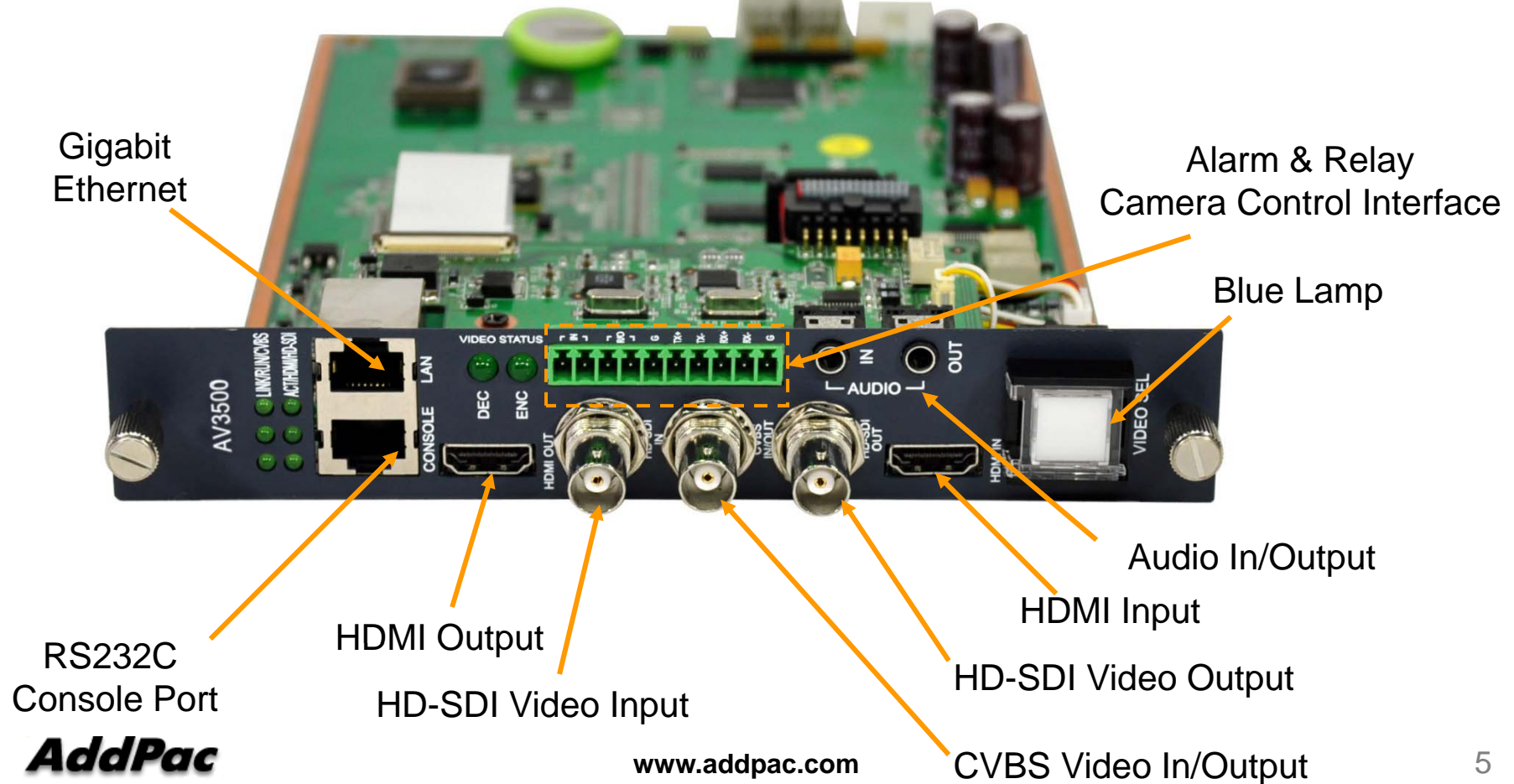
AV3500 Full HD Video Codec Module

RISC
CPU

High-End
VP

Hardware Module Specification

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), AC3, 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

Hardware Platform for AV3500

AV3500 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

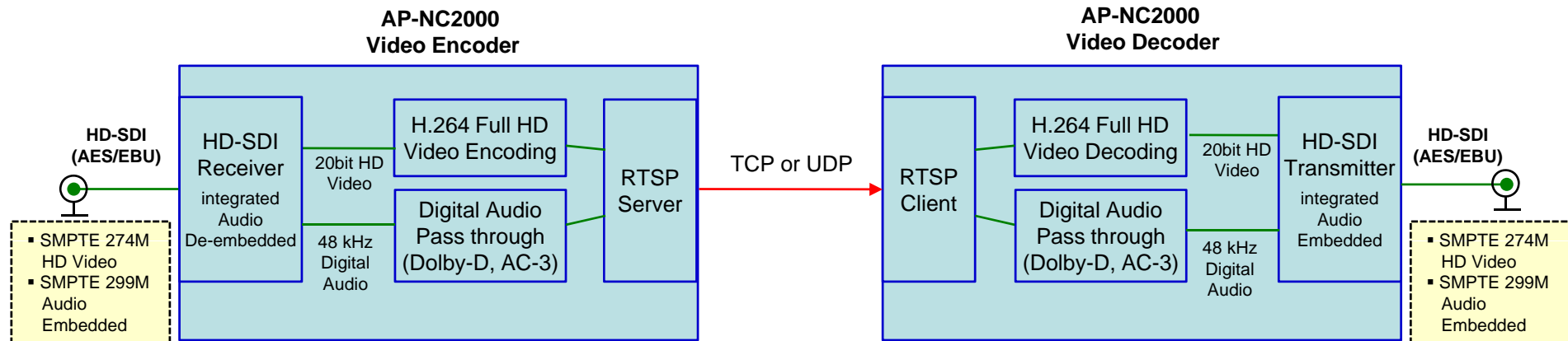
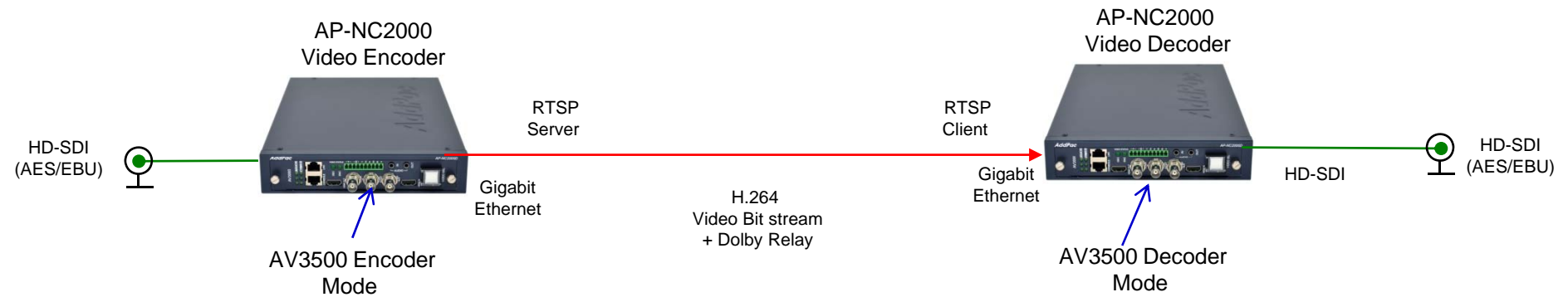
AV3500 Specification

AV3500 Full HD Video Codec Module

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	AES_EBU in HD-SDI, 1xAnalog Stereo Pair
	Output	AES_EBU in HD-SDI, 1xAnalog Stereo Pair
	Coding	Dolby-D Pass-Thru(Relay), AC-3, 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

Digital Audio Pass Through Network Diagram

AV3500 Full HD Video Codec



RTSP Service Features

AV3500 Full HD Video Codec Module

- AV3500 Video Encoder Mode
 - RTSP Server Mode
 - Multi-Channel RTSP Server Mode
 - RTSP, TCP Protocol Support for Error Robust Service
- AV3500 Video Decoder Mode
 - RTSP Client Mode
 - RTSP/TCP or RTSP/UDP Mode Support



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