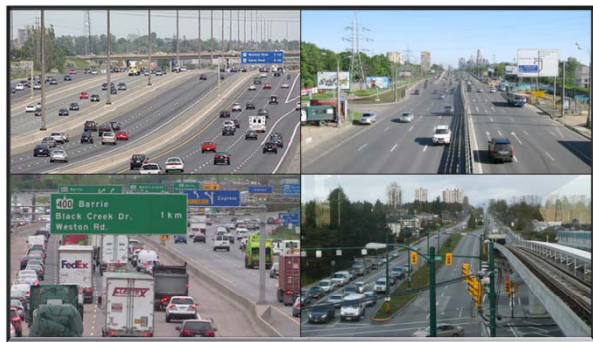


AP-HDI4N1

4 CH Full HD IP Video Splitter

High-performance Network DVR Solution



AXIS Video Server Interworking

AddPac

AddPac Technology

Sales and Marketing

Contents

- Product Overview
- Hardware Specification
- New Advanced 4ch IP video Splitter AP-HDI4N1
 - Internal Functional Block Diagram
 - AXIS Video Server Interworking Issues
- AXIS Video Server Signal Flow Diagram



Product Overview

AP-HDI4N1 Full HD IP 4 Layout Video Splitter

- IP based 4 Layout Full HD Video Splitter Service Features
- Four(4) Channel H.264 Video Decoding (720P, 1080i)
- Four(4) H.264 Full HD Video Decoding, Downscaling, Video Mixing and Full HD Display
- RTSP/RTP Video Streaming Protocol Support
- Onvif Standard based IP Camera Support
- 4ch Layout , 1ch Layout Display (Round Robin Display)
- One(1) Channel HDMI, HD-SDI Video Output for HDTV Display
 - 1080i(1920x1080), 720P(1280x720)
- High Performance Video DSP based Module for Stability
- AP-NC2000(1slot), AP-NC3000(2slot), AP-NC5000(10slots) Platform
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Smart Web Manager for Device Control

Hardware Specification

AP-HDI4N1 Full HD IP 4 Layout Video Splitter

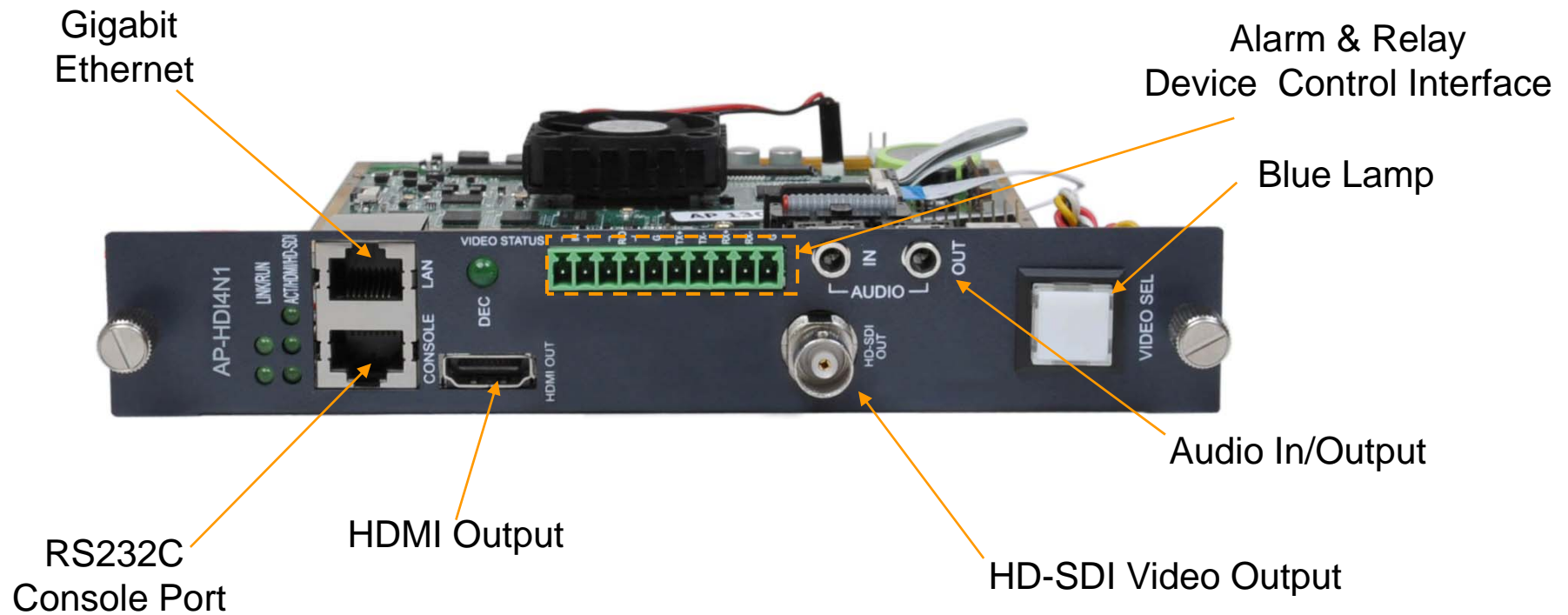


- RISC + Video Processor Computing Power
- Main Chassis
 - Network Interface
 - One(1) 10/100/1000Mbps Gigabit Ethernet
 - Video Interface
 - One(1) Channel HD-SDI Output
 - One(1) Channel HDMI Output
 - One(1) RS-232 Console Interface (RJ45)
 - Control Interface
 - One(1) RS-232C, RS422, RS485 Interface for External Device Control
 - I/O Interface
 - Two(2) Alarm Input /One(1) Relay Out

Hardware Specification

AP-HDI4N1 Full HD IP 4 Layout Video Splitter






AP-HDI4N1 IP Video Splitter Module




Hardware Specification

AP-HDI4N1 Full HD IP 4 Layout Video Splitter

AddPac Video Module Platform Comparison Table

	AP-NC2000D	AP-NC2000	AP-NC3000	AP-NC3500	AP-NC5000
Model					
Module Slot	1 Module Slot	1 Module Slot	2 Module Slots	4 Module Slots	10 Module Slots
Power Supply	External Power Supply(DC)	Internal Power Module (AC)	Internal Power Module (AC)	Internal Power Module (AC)	Internal Power Module (AC)
Power Type	Power Adaptor	Built-In	Built-In	Built-In	Module Type



New IP based 4ch Video Splitter

Onvif based IP Dome Camera Interworking

AXIS IP Camera (H.264)



Onvif RTSP H.264 HD Video Bit stream

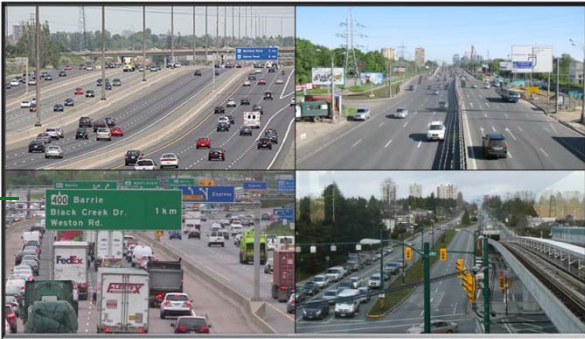
Samsung Techwin Full HD IP Camera (H.264)



Gigabit Ethernet

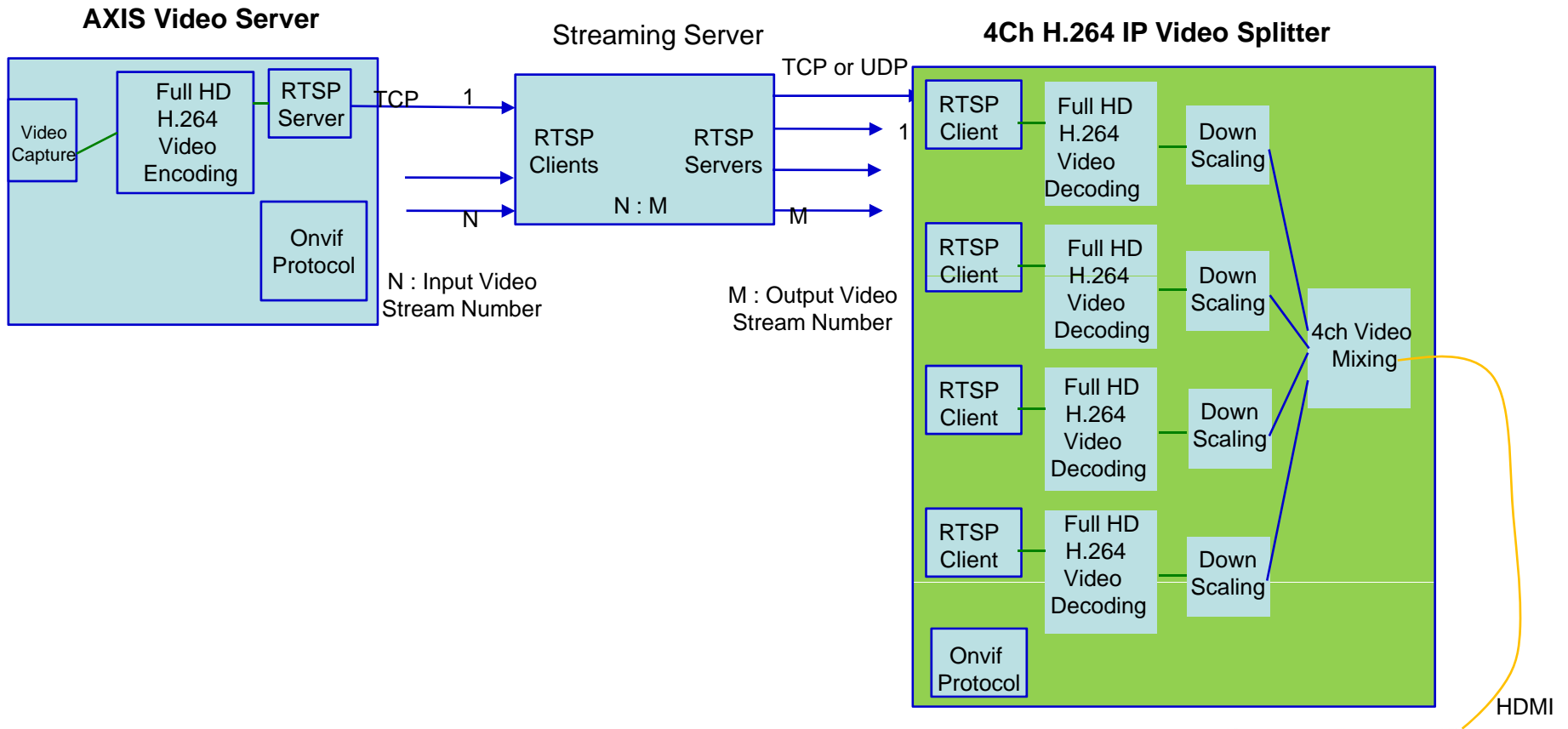
AP-NC2000 (AP-HDI4N1) Full HD IP 4 Layout Video Splitter

HDMI



Functional Block Diagram

Example (N : M = 64 : 128)

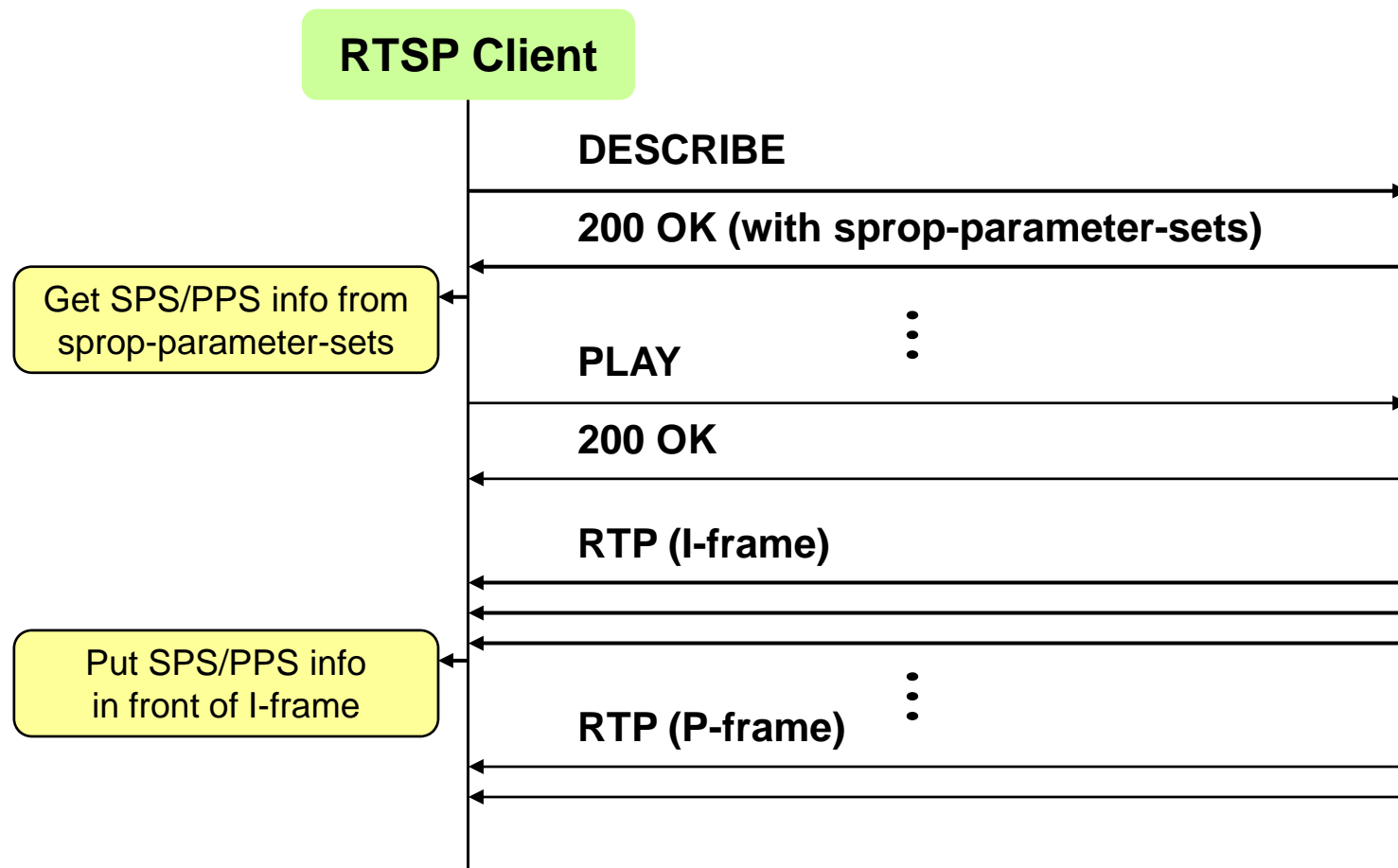


AXIS Video Server Interworking Issues

- Some RTSP cameras like **AXIS** include the SPS/PPS information out of band in the RTSP DESCRIBE message and not ever repeated in any key frame.
- Get SPS/PPS info from sprop-parameter-sets in RTSP SDP
- Put SPS/PPS info in front of I-frame

AXIS Video Server RTSP Signal Flow

- does not provide H.264 SPS/PPS in key-frame.





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