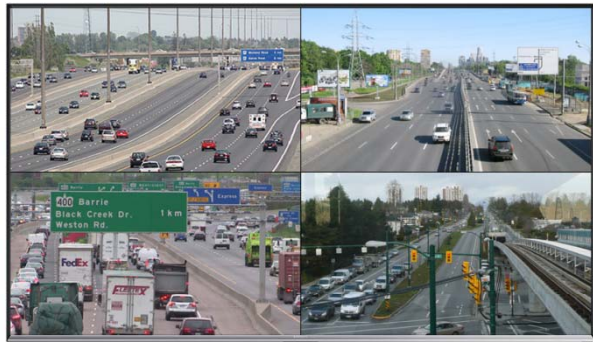


# AP-HDI4N1

## 4 CH Full HD IP Video Splitter

High-performance Network DVR Solution



Onvif based IP Dome Camera Interworking

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# Contents

- Product Overview
- Hardware Specification
- New Advanced 4ch IP video Splitter AP-HDI4N1
  - Onvif IP Dome Camera Interworking (Example : Samsung Techwin IP Dome Camera)
  - Internal Functional Block Diagram
- Keep Alive Scheme for Onvif IP Camera RTSP Streaming Service



# 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

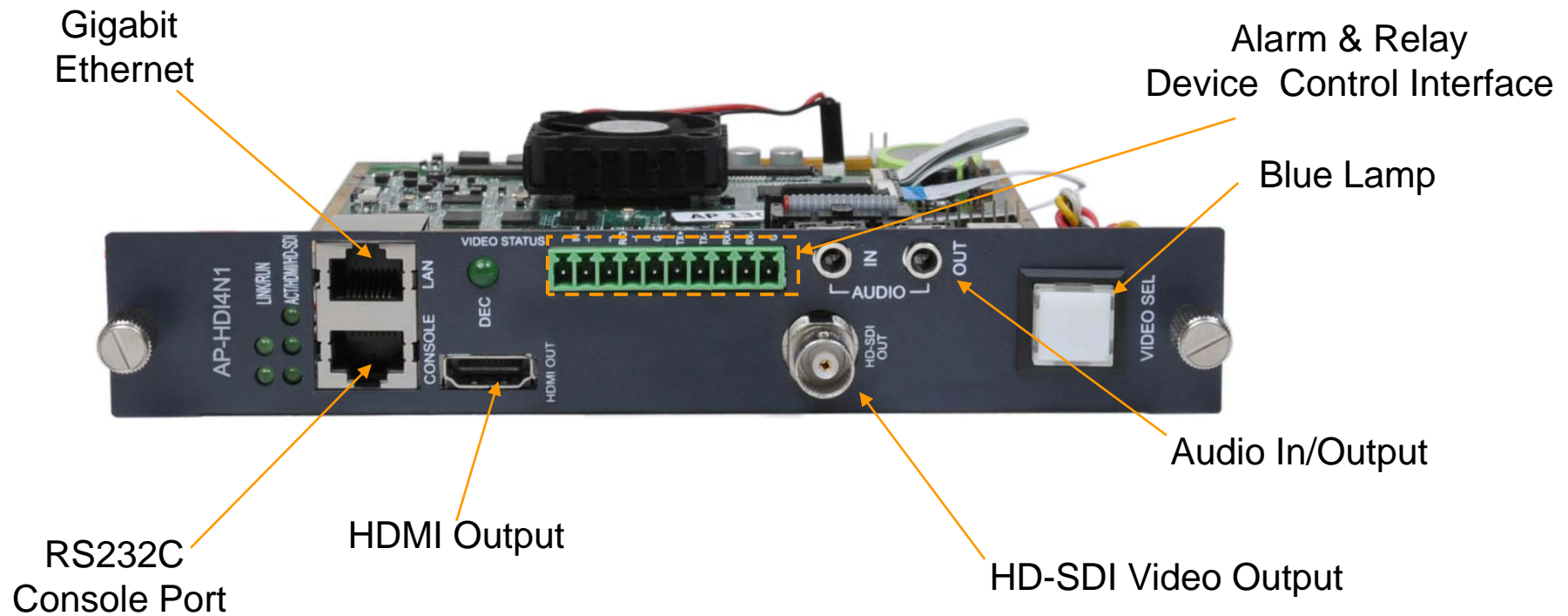


- RISC + Video Processor Computing Power
- Main Chassis
  - Network Interface
    - One(1) 10/100/1000Mbps Gigabit Ethernet
  - Video Interface
    - One(1) Channel HD-SDI Output
    - One(1) Channel HDMI Output
  - One(1) RS-232 Console Interface (RJ45)
  - Control Interface
    - One(1) RS-232C, RS422, 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

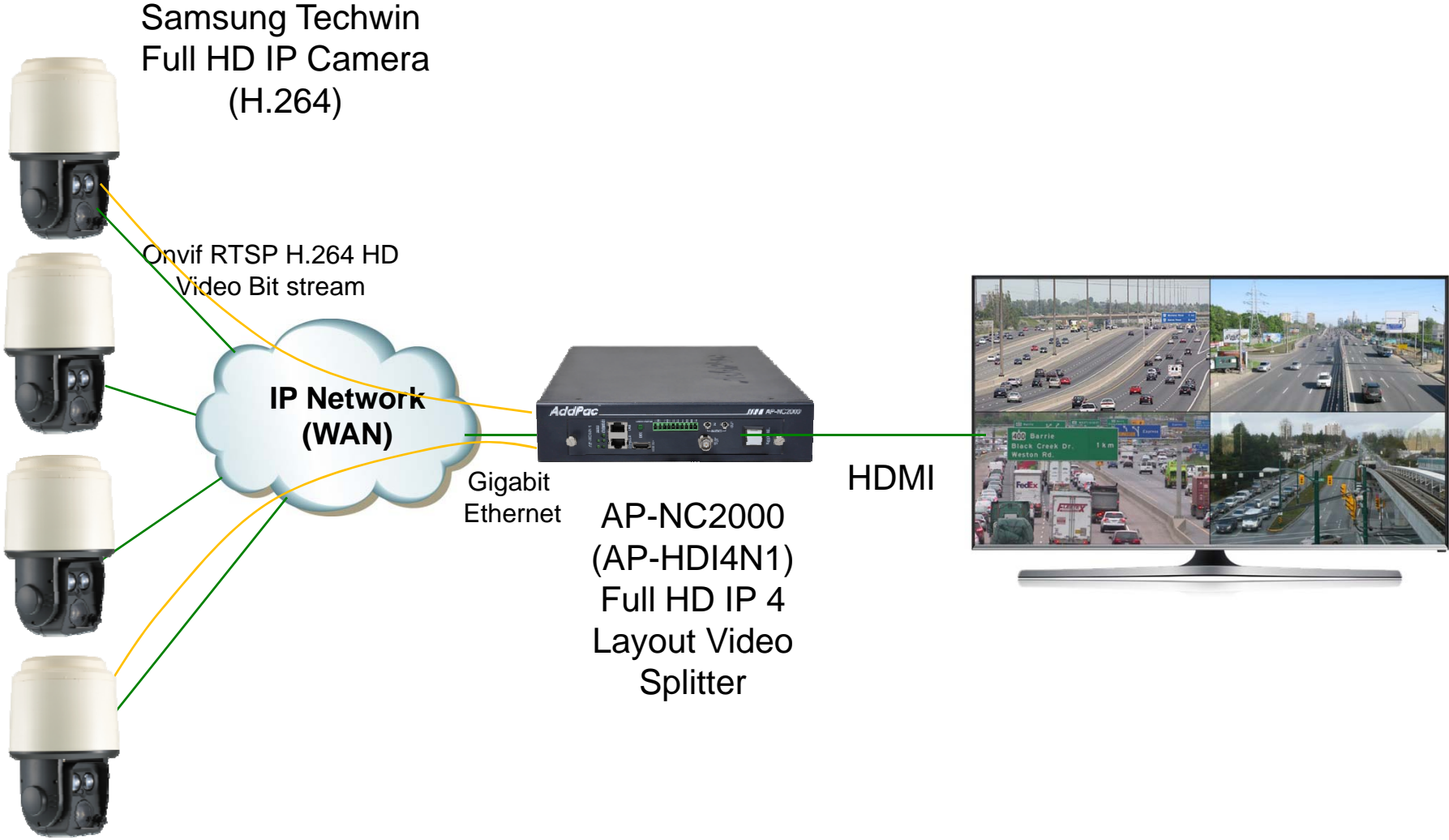
### AddPac Video Module Platform Comparison Table

	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

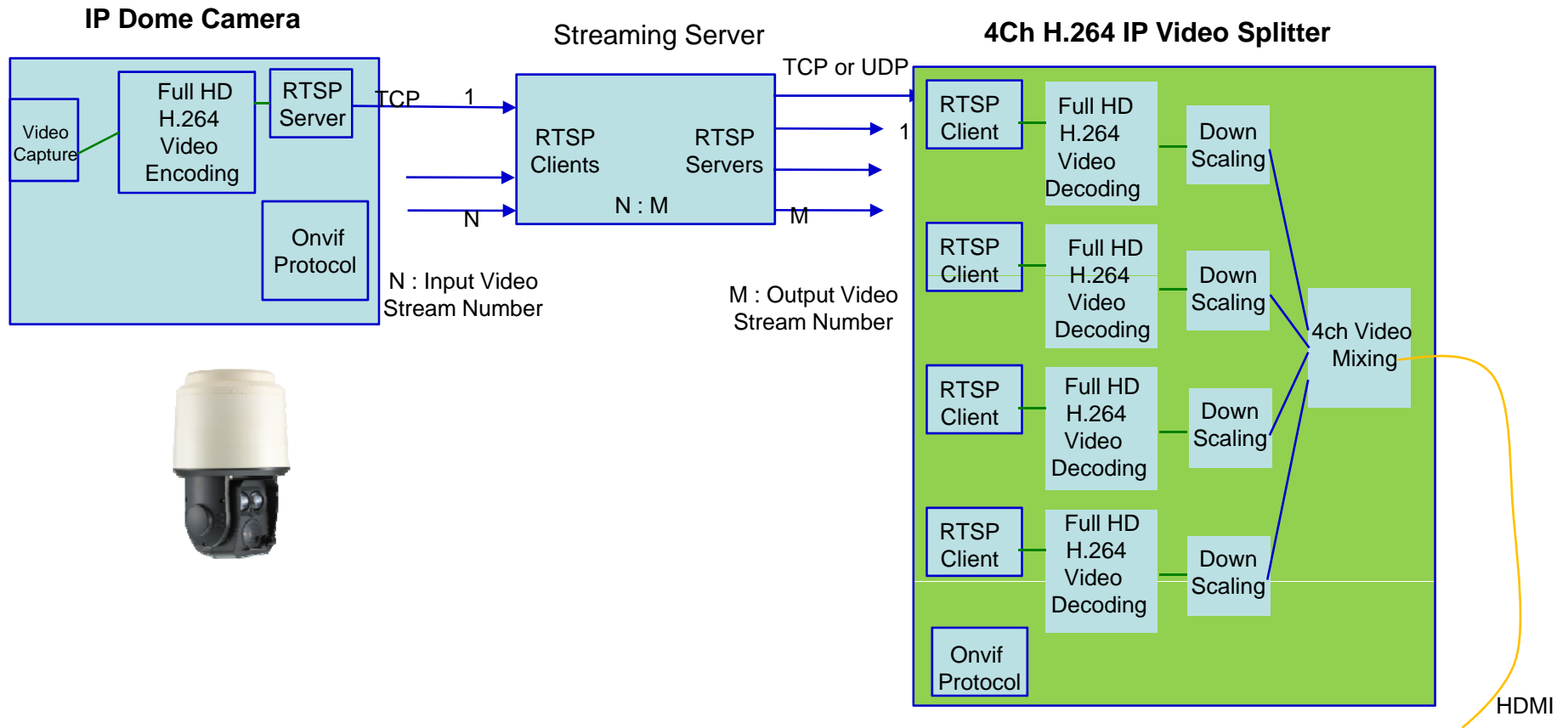


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# Functional Block Diagram

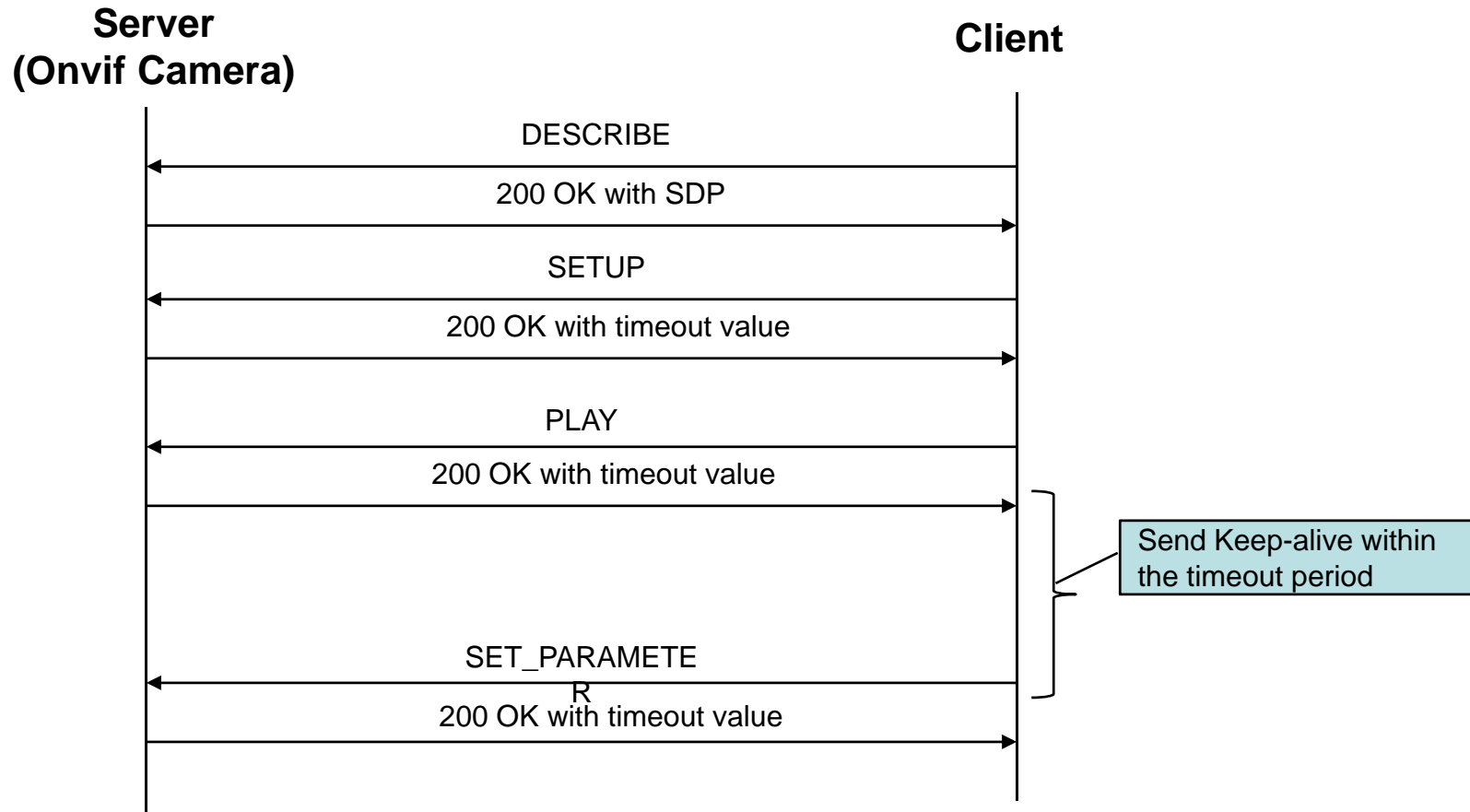
Example (N : M = 64 : 128)



# Keep Alive Scheme for OnVif IP Camera RTSP Streaming Service

- RTSP Client keeps the RTSP Session alive (RFC2326)
- OnVIF Specification recommend RTSP SET\_PARAMETER method.
- Default Timeout Value is 60 seconds

# Keep Alive Flow Control





# Thank you!

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