



AP-NC5000™ Multi-Channel HD Video Codec

High-performance HD Network Surveillance Solution



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2009, Sales and Marketing

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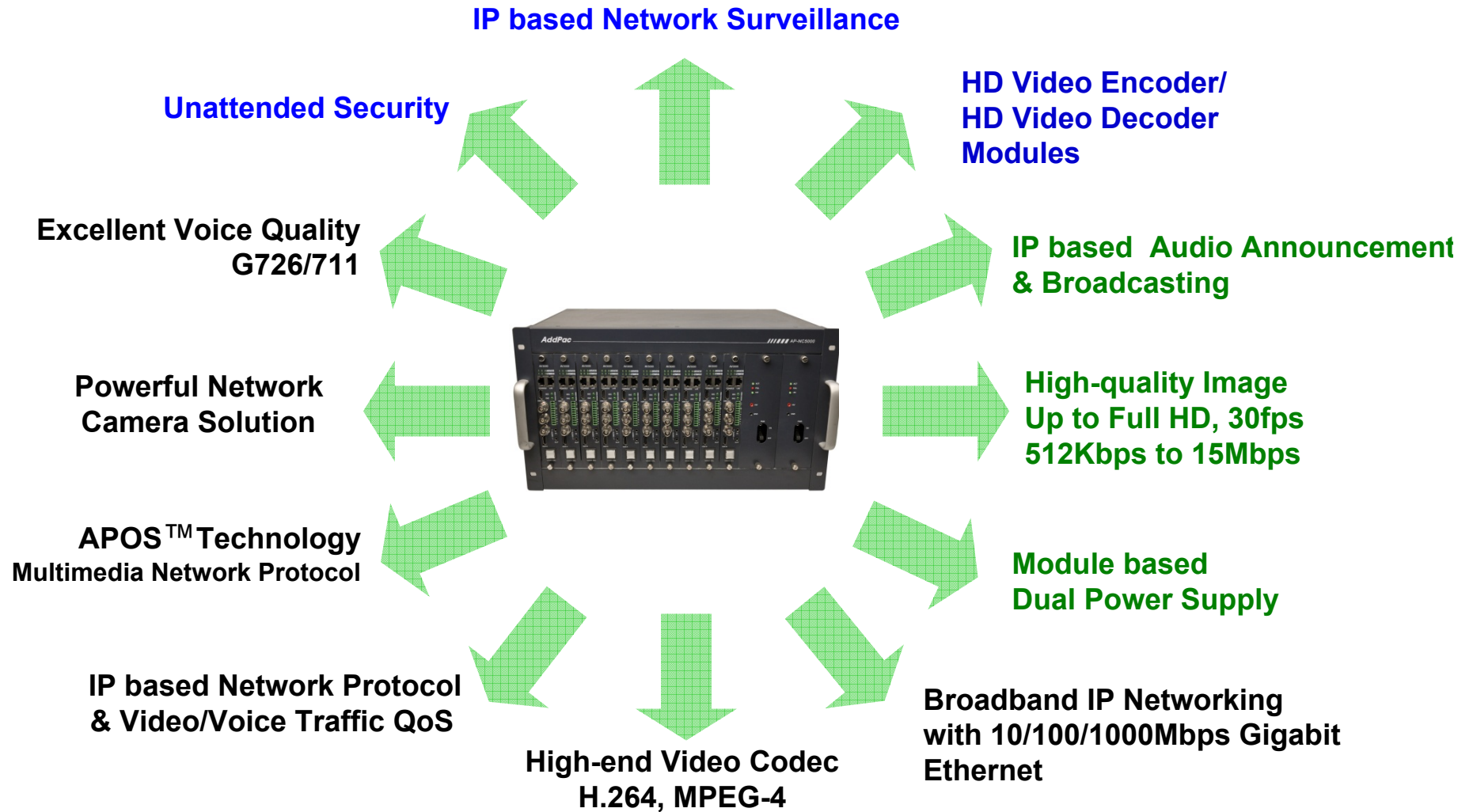
Product Overview

AP-NC5000 Multi-Channel HD Video Codec

- IP based Audio/Video Encoding/Decoding Solution
- Ten(10) Module Slots for HD Video Modules
- HD Video Encoder Module
- HD Video Decoder Module
- IP based Network Surveillance Solution
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Dual Power Supply Module for Redundancy
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Product Highlights

AP-NC5000 Multi-Channel HD Video Codec



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Benefits and Features

AP-NC5000 Multi-Channel HD Video Codec

- High Quality Images up to 512kbps and 15Mbps
- 10 Module Slots for HD Video Modules
- HD Video Encoder Modules
- HD Video Decoder Modules
- High-performance Audio & Video Codec Support
 - H.264, MPEG-4 Video Codec
 - Line IN/OUT : G.726, G.711 Audio Codec
- Up to 30 frame/sec, HD, Full HD Resolution
- IP Audio Announcement & Broadcasting
- IP based Network Protocol Support
- Video Application
 - Network Surveillance Solution

Hardware Specification

AP-NC5000 Multi-Channel HD Video Codec

High-end
DSP

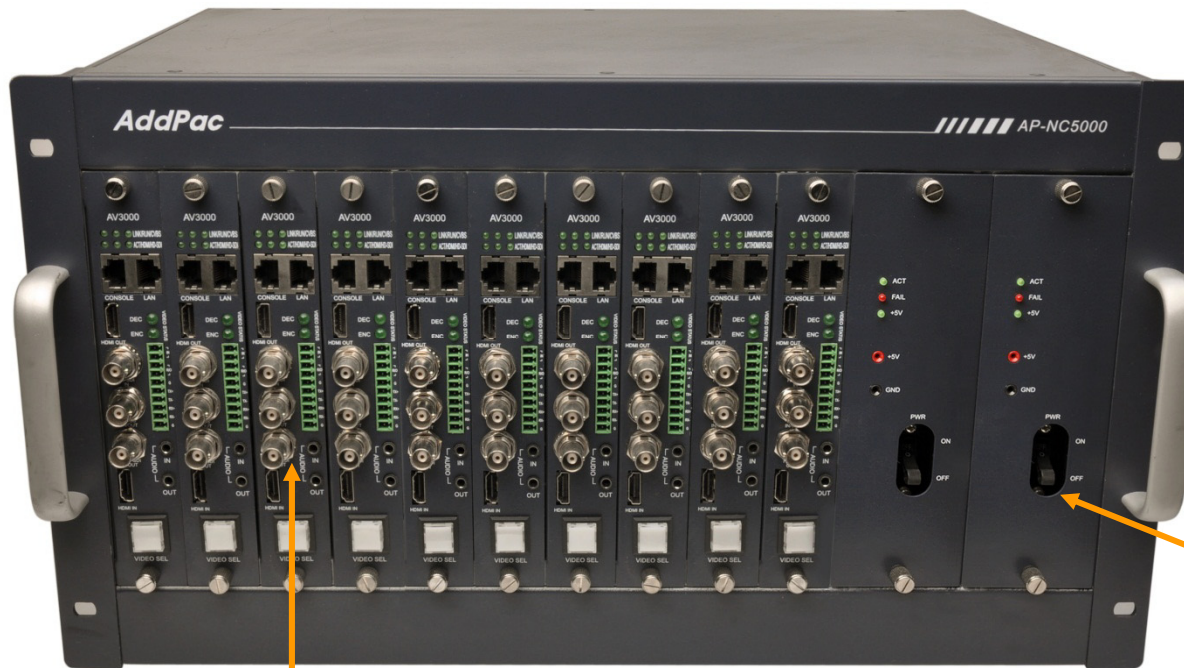
- High-end Programmable DSP Hardware Architecture
- HD Video Encoder Module (Ex: AV5000E)
 - Network Interface
 - One(1) 10/100/1000Mbps Gigabit Ethernet
 - One(1) Console Port
 - Powerful Video Input Interface
 - HD-SDI, HDMI, Component
 - High quality Audio and Voice Interface
 - Stereo Audio Input/Output Connector
 - Camera Control Interface
 - One(1) RS-232C, RS422, RS485 Interface for External Camera Control
 - I/O Interface
 - 2 Alarm Input, 1 Relay

Hardware Specification

AP-NC5000 Multi-Channel HD Video Codec

High-end
DSP

AP-NC5000 Front View



Power Supply Module

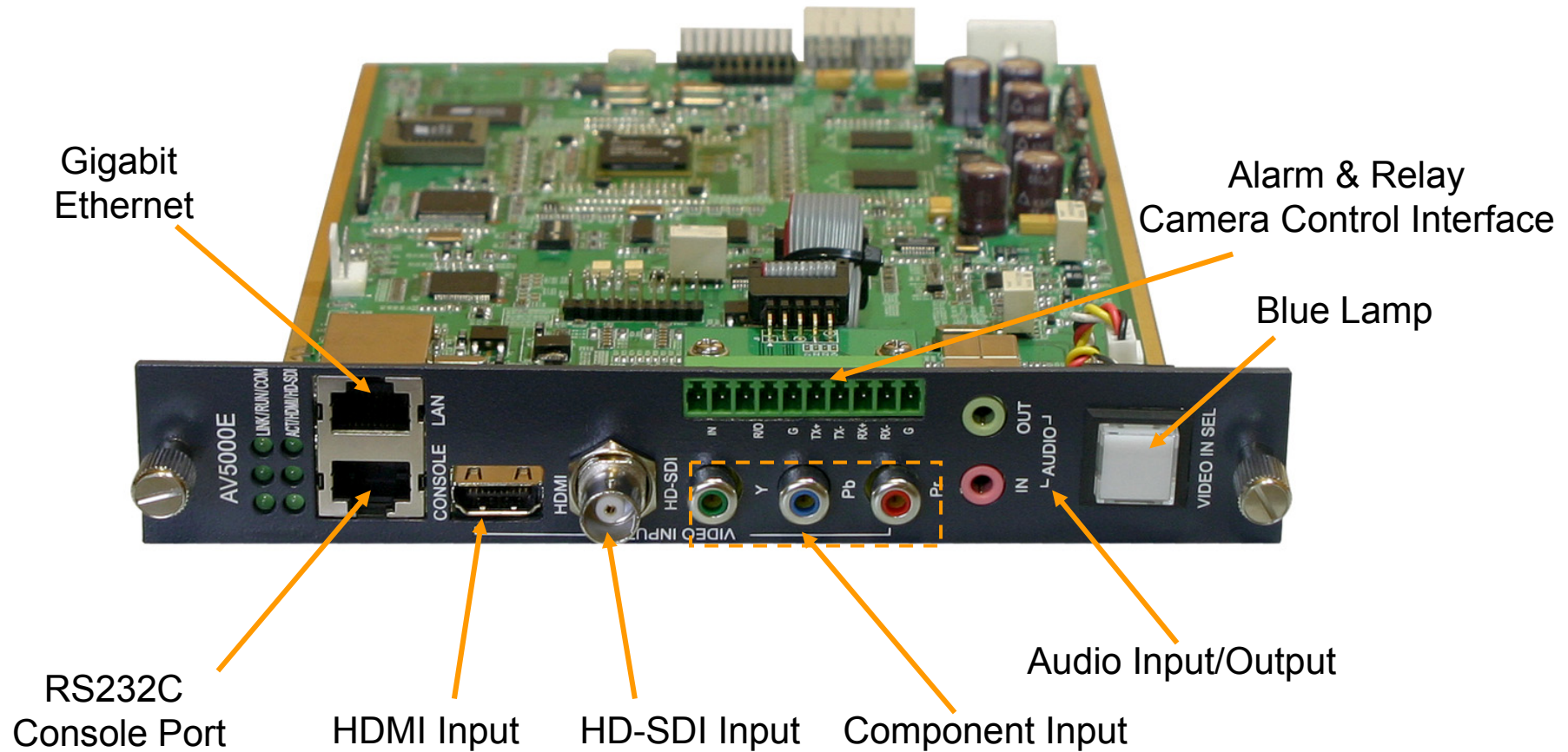
HD Video Encoder Module

Hardware Specification

AP-NC5000 Multi-Channel HD Video Codec

High-end
DSP

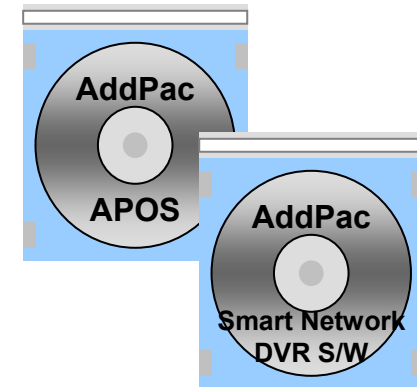
AV5000E HD Video Encoder Module



Software Service

AP-NC5000 Multi-Channel HD Video Codec

- Built-in AddPac APOS Internetworking Software
 - Scalability, Functionality, and Stability Features
 - Video Traffic QoS Control
- Programmable Video, Audio, and Voice Services
 - Video Codes, Audio, and Voice Codec
- Firmware Upgradeable DSP Architecture
- Network Camera Function Support
- Industry Standard IP based Network Protocol Features
- HD Smart Network DVR Manager
 - Server and Client Architecture
 - Network Surveillance & Monitoring, Viewer Control, Storage Management, Login Management, and Remote System Management Support
- Smart NMS(Network Management System) for DVR Solution



Video Service and Features

AP-NC5000 Multi-Channel HD Video Codec

- Video Networking Interface (HD Encoder)
 - HDMI, HD-SDI(BNC), Component
- High-performance Video Codec Support
 - H.264, MPEG-4
- Powerful Image Resolution Support
 - QCIF(176x144), CIF(352x288), QVGA(320x240), VGA(640x480)
 - D1(720x480), 720P(1280 x720), 1080i (1920 x 1080)
- Up to 30fps at 4Mbps with H.264 Full HD, HD Resolution
- Dual Bit-Stream Support
 - High Resolution/Low Frame-Rate for Storage
 - Low Resolution/High Frame-Rate for Real-time Display
 - Additional Intelligent Feature
- 512Kbps to 15Mbps Operating Video Traffic Bandwidth
- Rate Control for Video Traffic QoS
 - Ensuring Optimized Quality
 - Frame Rate with Limited Bandwidth
- High-end Error Resilient Against Various Packet Error

Audio & Voice Service and Features

AP-NC5000 Multi-Channel HD Video Codec

- Audio & Voice Networking Interface
 - Audio Input/Output Port (Stereo Female Connector)
- IP based Audio Announcement & Broadcasting Support
- High-performance Audio & Voice Codec Support
 - Line IN/OUT : G.726, G.711 Audio Codec
- Enhanced QoS Management Features for Voice Traffics

Network Service and Features

AP-NC5000 Multi-Channel HD Video Codec

- Network Managements
 - Standard SNMP Agent (MIB v2) Support
 - Remote Management using Console, Telnet
 - Web based Management using HTTP Server Interface
 - Command Line Interface
- Security Functions
 - Standard & Extended IP Access List
 - Enable/Disable for Specific Network Protocols
 - Multi-level User Account Management
 - Auto-disconnect for Telnet/Console Sessions
 - PPP User Authentication Supports (PAP & CHAP)
- Operation & Managements
 - System Performance Analysis for Process, CPU, Connection Interface
 - Debugging, System Auditing, and Diagnostics Support
 - System Booting and Auto-rebooting with Watchdog Feature
 - System Managements with Data Logging
 - IP Traffic Statistics with Accounting

Network Service and Features

AP-NC5000 Multi-Channel HD Video Codec

- Network Managements
 - DHCP Server & Relay Functions
 - Network Address Translation (NAT) Function
 - Port Address Translation (PAT) Function
 - Transparent Bridging (IEEE Standard) Function
 - Spanning Tree Bridging Protocol Support
 - Remote Bridging Support
 - Concurrent Routing and Bridging Support
 - Cisco Style Command Line Interface (CLI)
 - Network time Protocol (NTP) Support

AP-NC5000 HD Video Codec

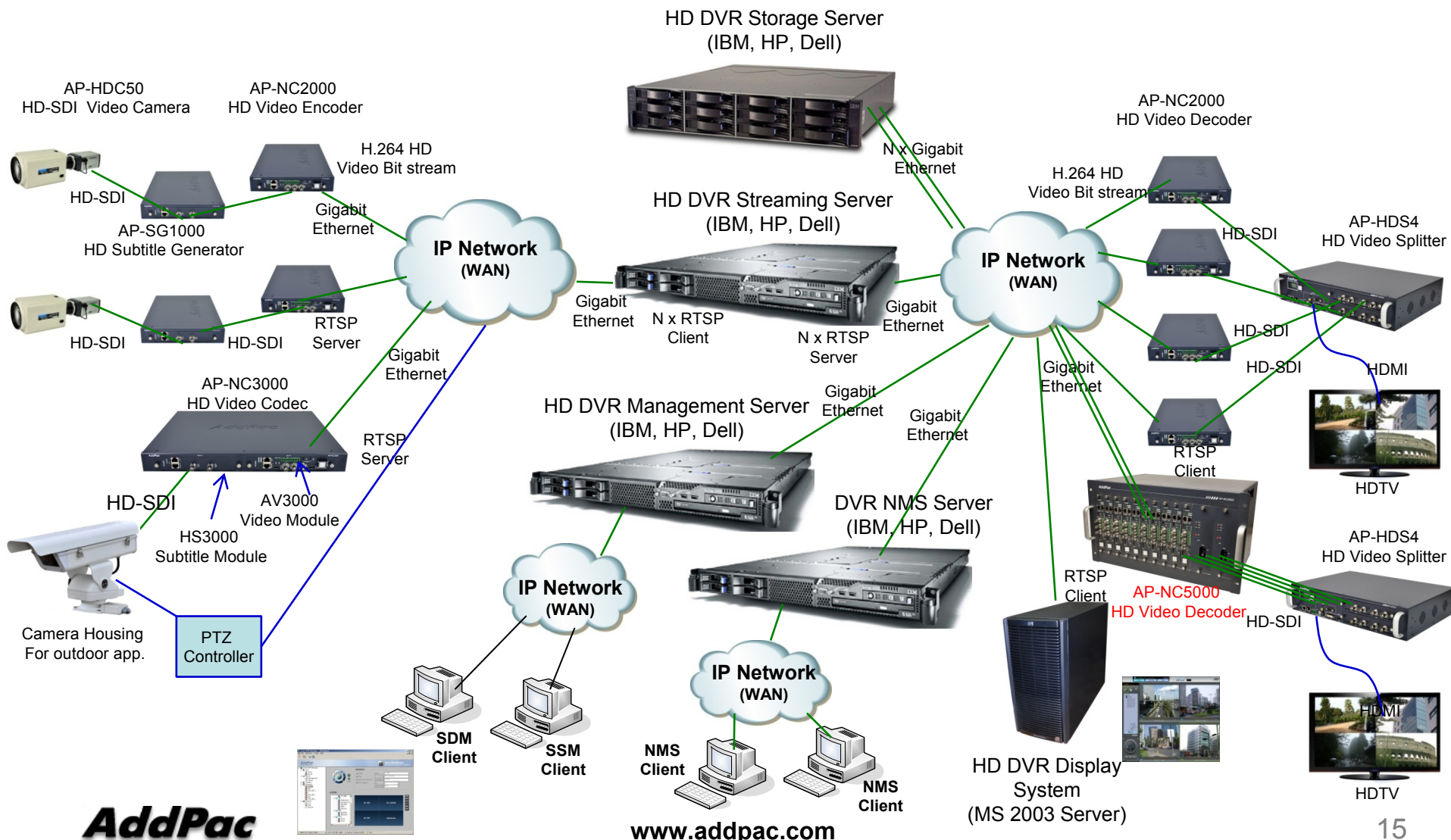
Application Area

- Network Surveillance
- IP Audio Broadcasting + Network Surveillance
- Video Line Extension



Network Surveillance

AP-NC5000 Multi-Channel HD Video Codec



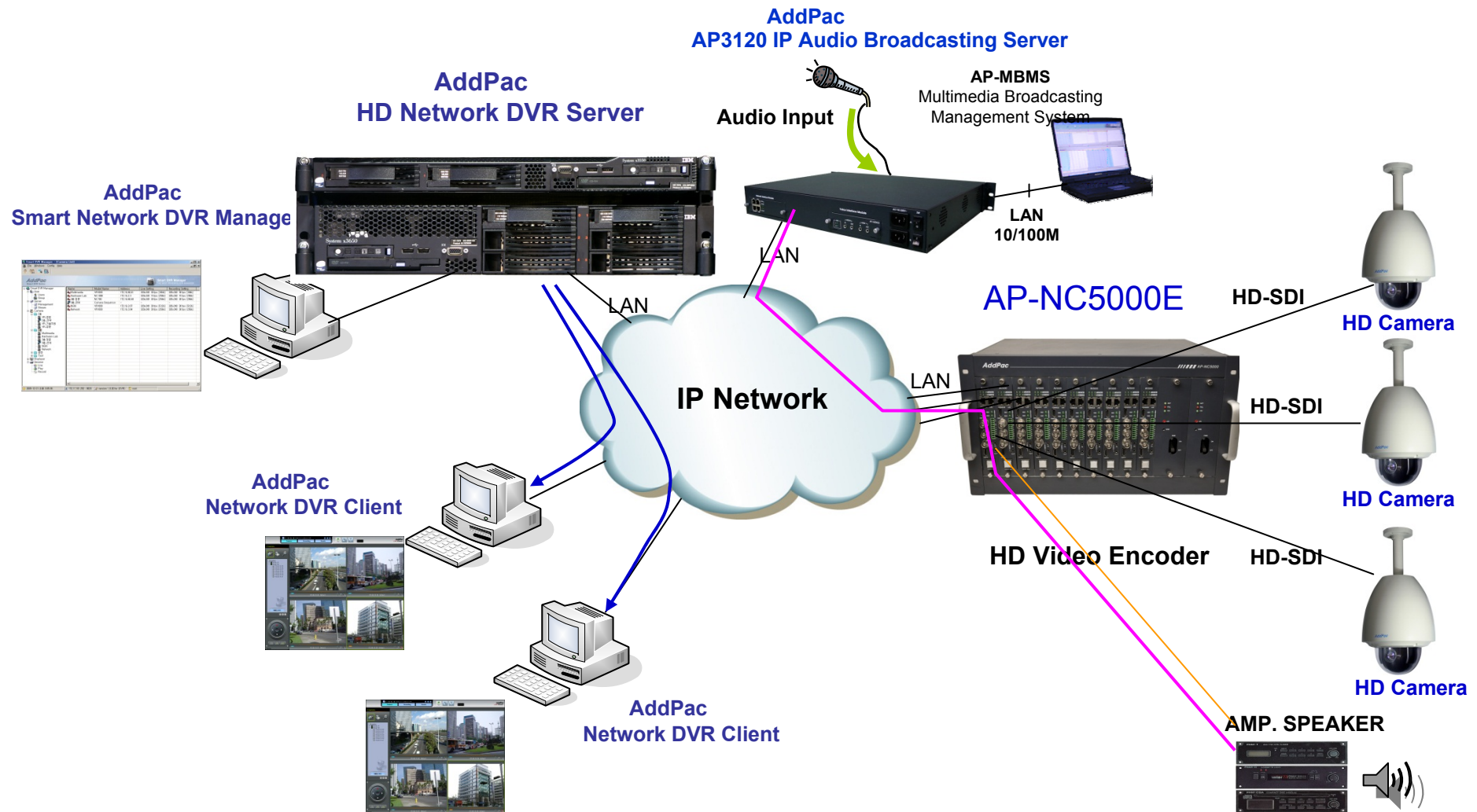
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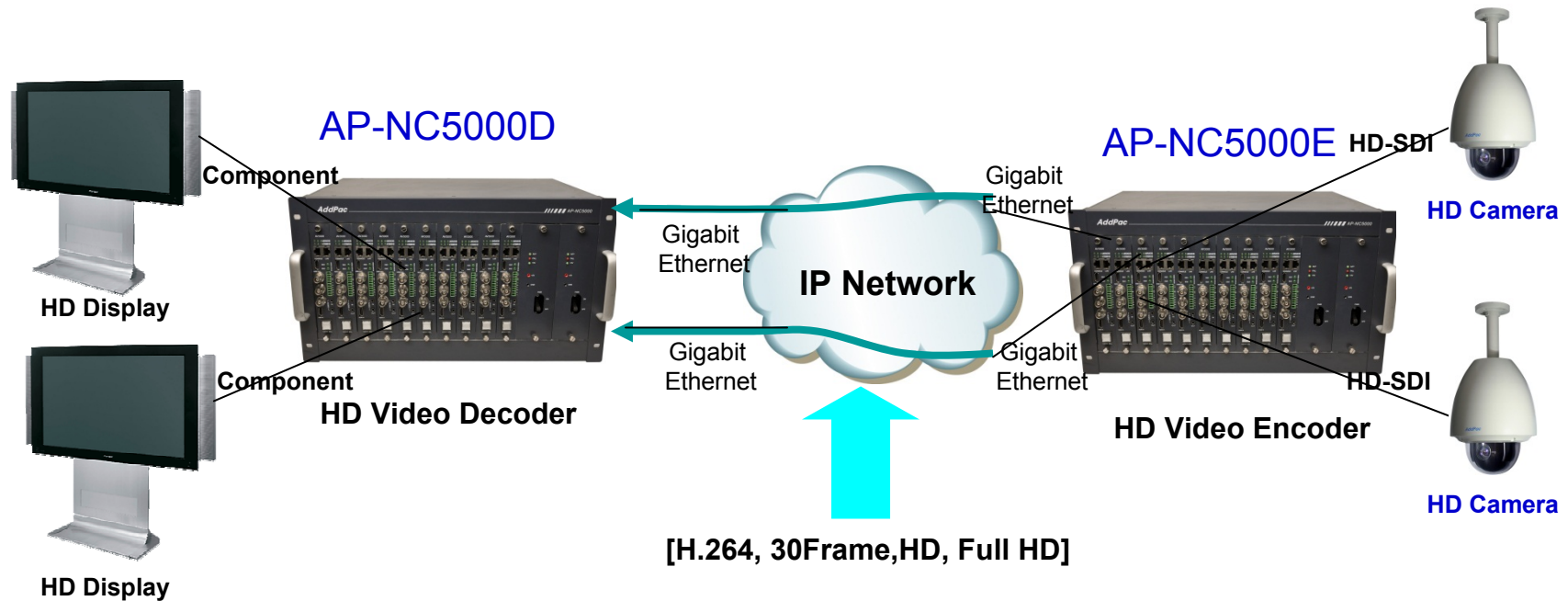
IP Audio Broadcasting + Network Surveillance

AP-NC5000 Multi-Channel HD Video Codec



Video Line Extension

AP-NC5000 Multi-Channel HD Video Codec



Ordering Information

- AP-NC5000 Network Camera Hardware Platform
 - Programmable RISC + DSP Architecture
 - Ten(10) HD Video Module Slots
 - Two(2) Power Supply Module
- Option : Full HD, HD , D1 Video Modules
- Built-in APOS Internetworking Software for AP-NC5000
- Including 1 Year Hardware Warranty
- Product Documents
 - Install and Operation Guide (PDF)
- Pricing
 - AddPac Technology Regional Sales Manager
 - Authorized Sales and Marketing Representatives
 - Please Contact www.addpac.com



Thank you!

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