



# AP-NC5000 Multi-Channel HD Video Codec

High-performance HD Network Surveillance Solution



**AddPac**

**AddPac Technology**

Sales and Marketing

[www.addpac.com](http://www.addpac.com)

# Contents

- Product Overview
- Benefits and Features
- Hardware Specification
- Software Service
- Video Service & Features
- Audio & Voice Service and Features
- Network Service and Features
- Application Area
- Ordering Information

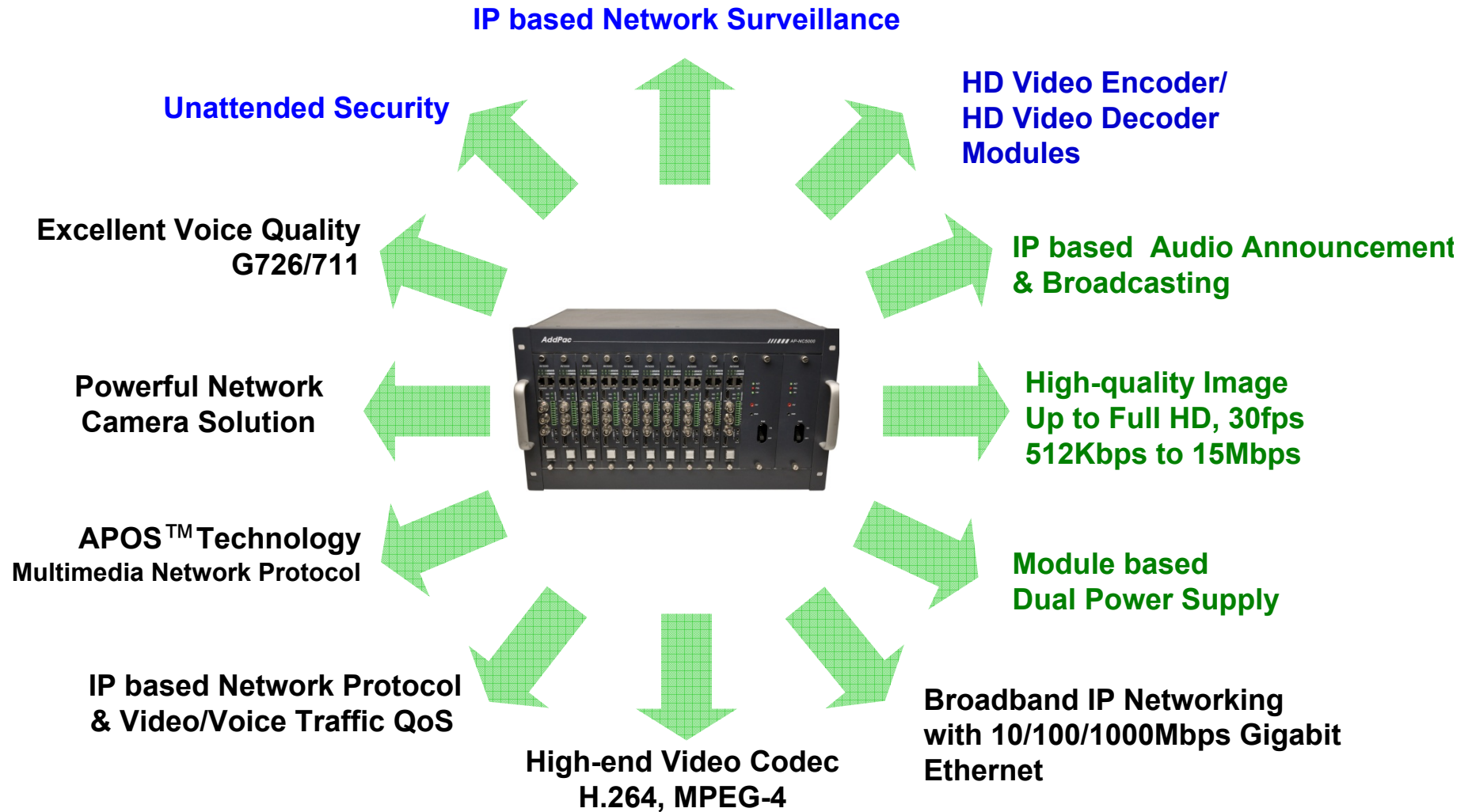
# Product Overview

## 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



**AddPac**

[www.addpac.com](http://www.addpac.com)

# 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

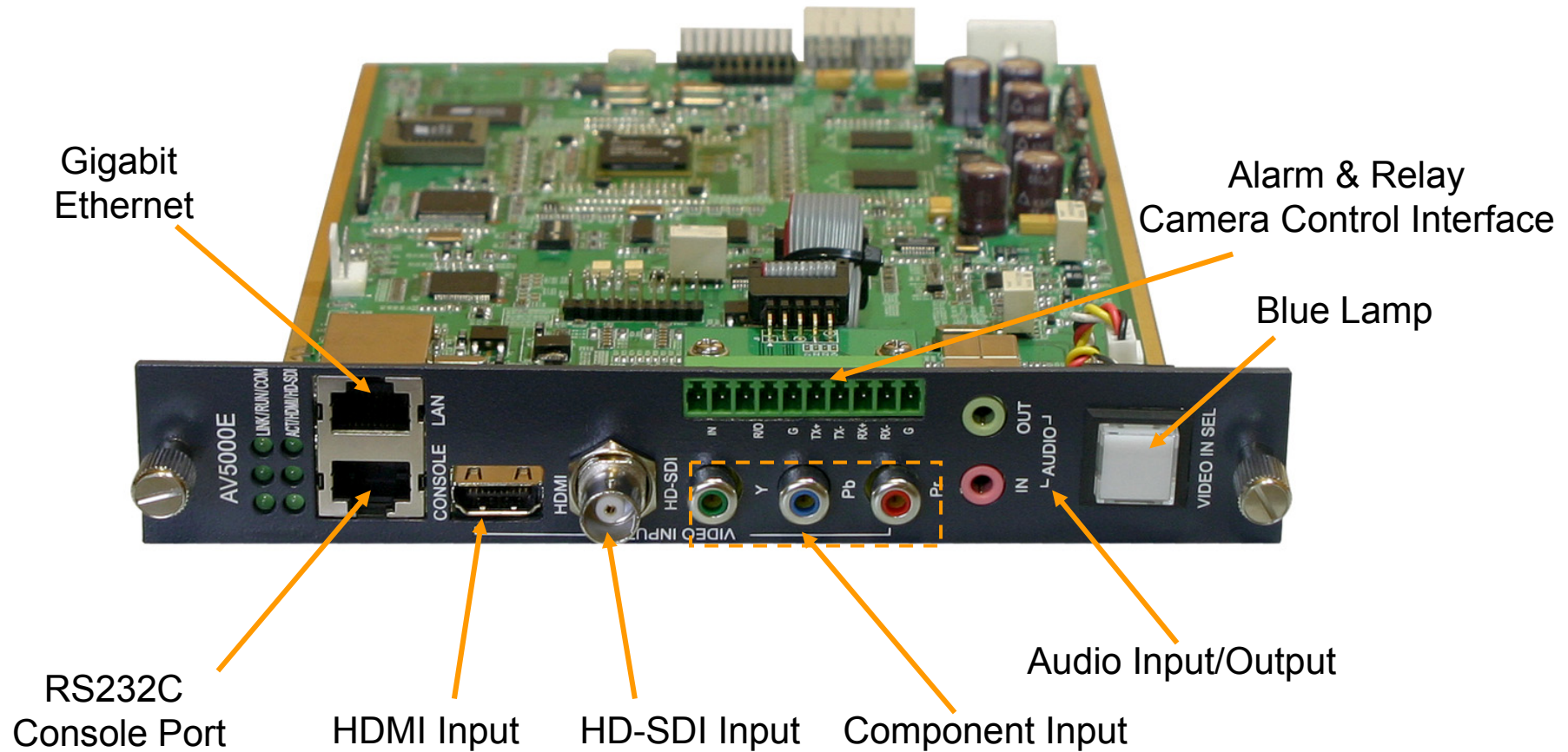
HD Video Encoder Module

# Hardware Specification

AP-NC5000 Multi-Channel HD Video Codec

High-end  
**DSP**

AV5000E HD Video Encoder Module

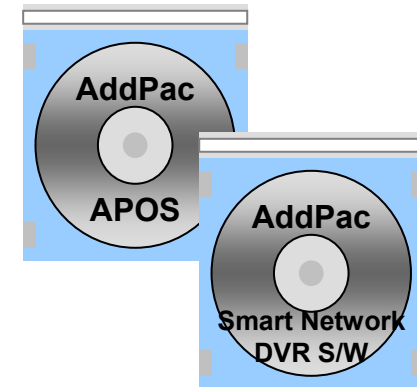




# Software Service

## 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

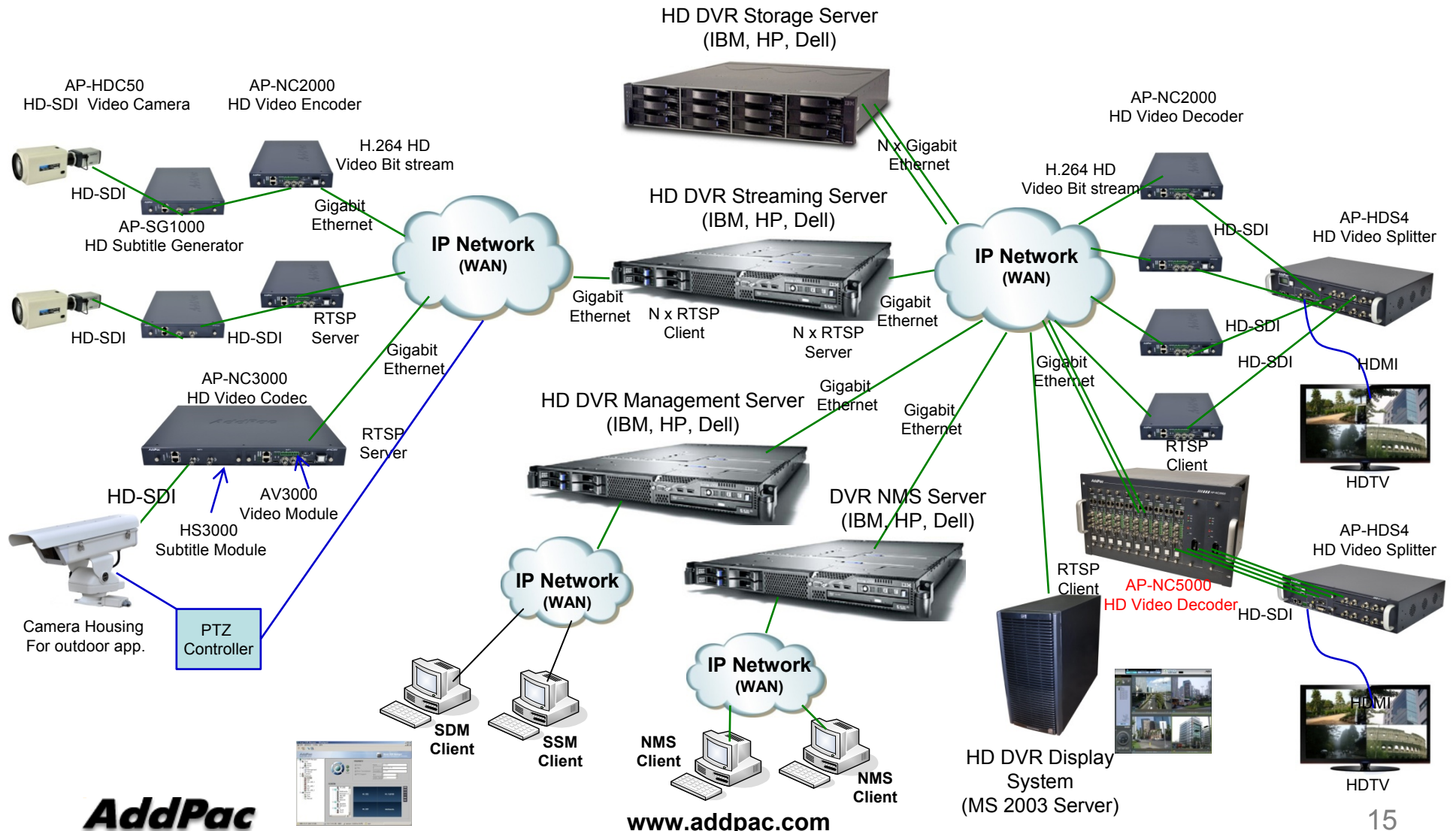
Application Area

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



# Network Surveillance

## AP-NC5000 Multi-Channel HD Video Codec



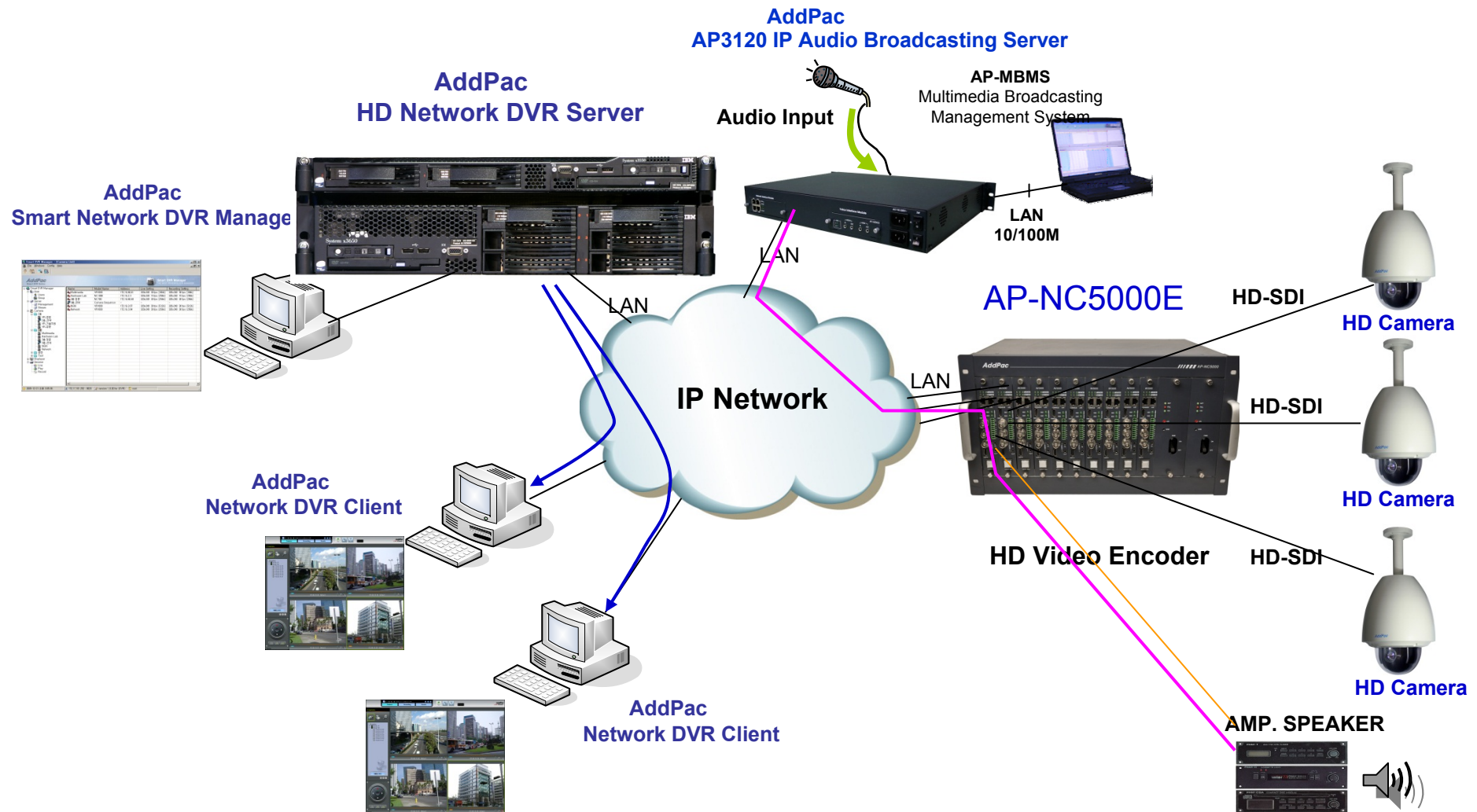
**AddPac**



[www.addpac.com](http://www.addpac.com)

# IP Audio Broadcasting + Network Surveillance

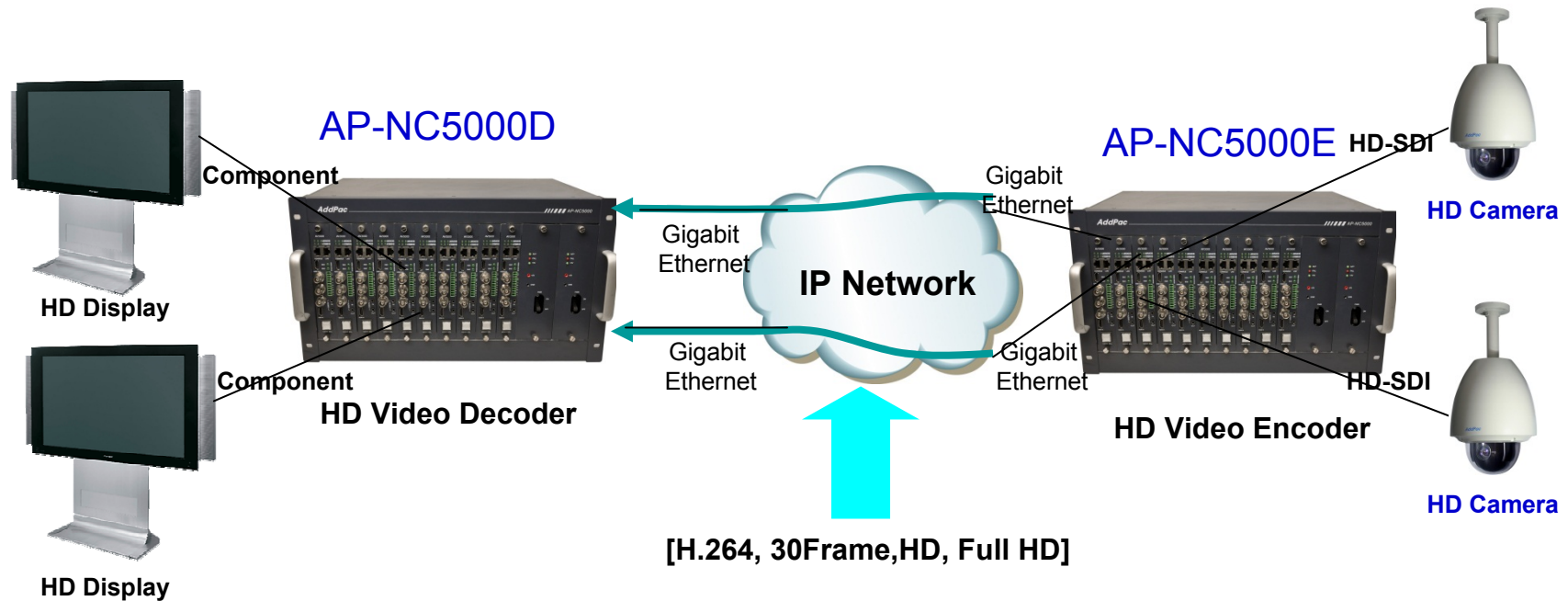
AP-NC5000 Multi-Channel HD Video Codec





# 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](http://www.addpac.com)



# 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](mailto:sales@addpac.com)