

AP-NC2000D

HD Video Codec

High-performance HD Network Surveillance Solution



AddPac

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Sales and Marketing

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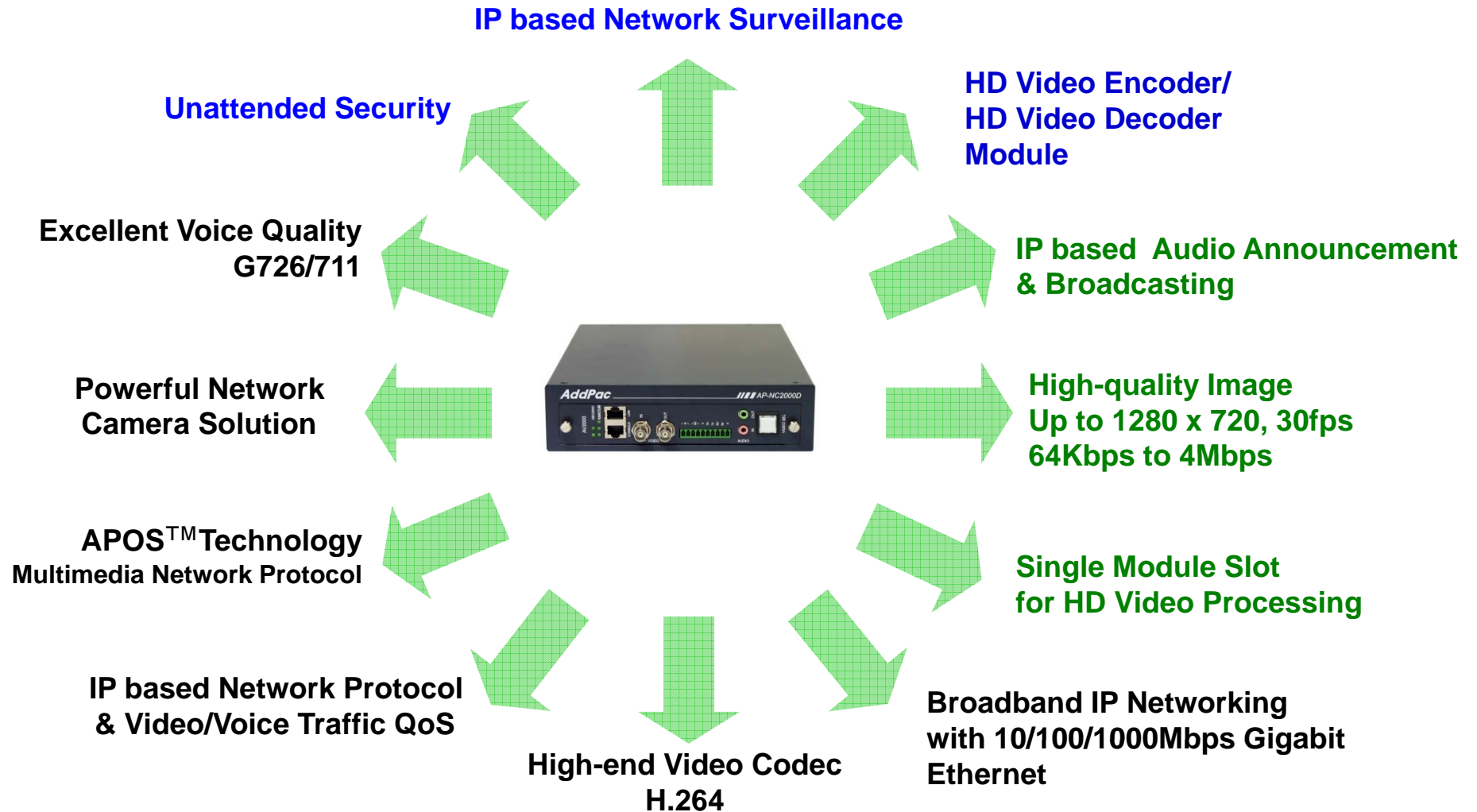
Product Overview

AP-NC2000D HD Video Codec

- IP based Audio/Video Encoding/Decoding Solution
- Single Slot for HD Video Modules
- **HD Video Encoder/Decoder Module**
- **D1 Video Encoder/Decoder Module**
- IP based Network Surveillance Solution
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection
- **Compact Chassis, DC External Power Supply**

Product Highlights

AP-NC2000D HD Video Codec



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Benefits and Features

AP-NC2000D HD Video Codec

- High Quality Images up to 64kbps and 4Mbps
- Single Module Slot for HD Video Module
- Full HD Video Encoder/Decoder Module(AV6000)
- D1 Video Encoder/Decoder Module (AV2000)
- 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, 720P(1280x720), Full HD Resolution
- IP Audio Announcement & Broadcasting
- IP based Network Protocol Support
- Video Application
 - Network Surveillance Solution

Hardware Specification

AP-NC2000D HD Video Codec

High-end
DSP

- High-end Programmable DSP Hardware Architecture
- HD Video Encoder Module (AV6000)
 - Network Interface
 - One(1) 10/100/1000Mbps Gigabit Ethernet
 - One(1) Console Port
 - Powerful Video Input Interface
 - HD-SDI, HDMI, Analog
 - 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-NC2000D HD Video Codec

High-end
DSP

AP-NC2000D Front View



D1 Video Encoder/Decoder Module

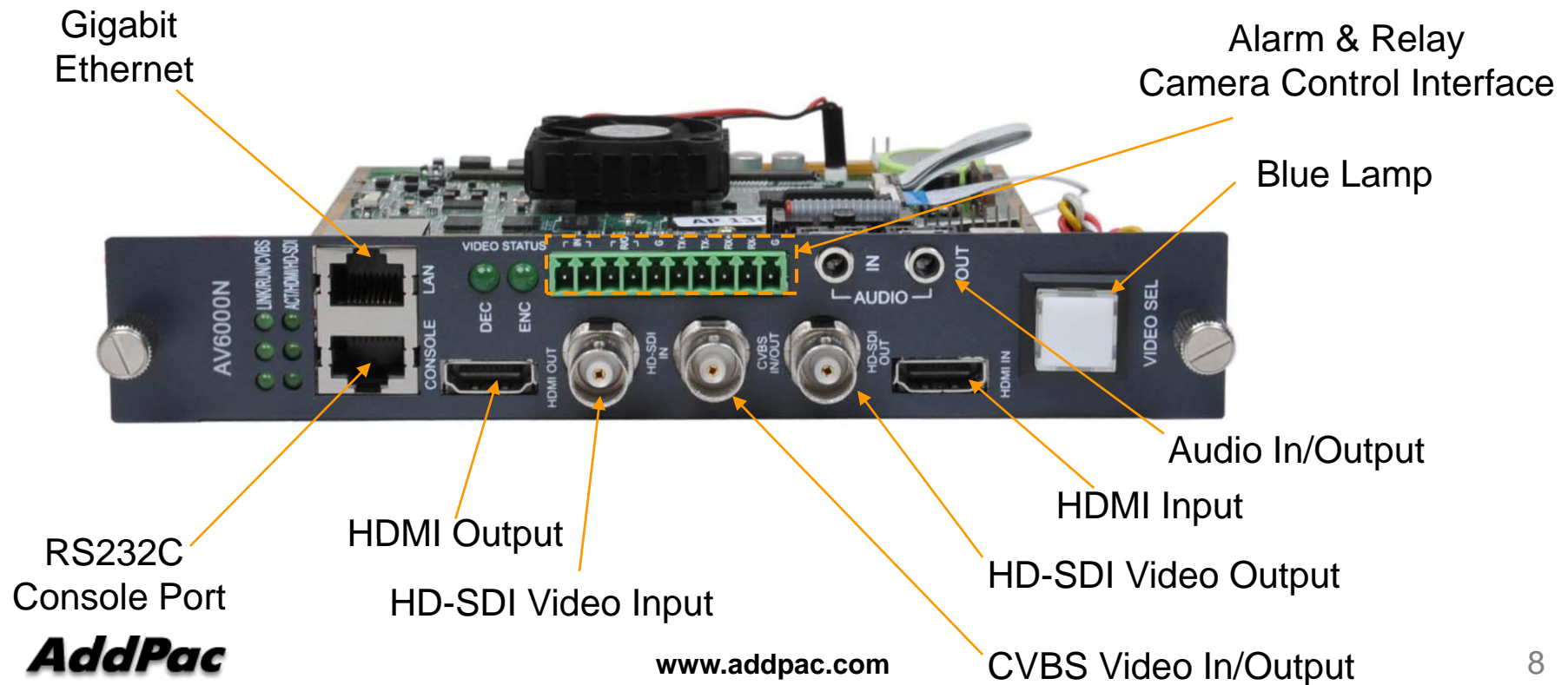


Hardware Specification

AP-NC2000D HD Video Codec



AV6000N HD Video Encoder/Decoder Module(H.264)

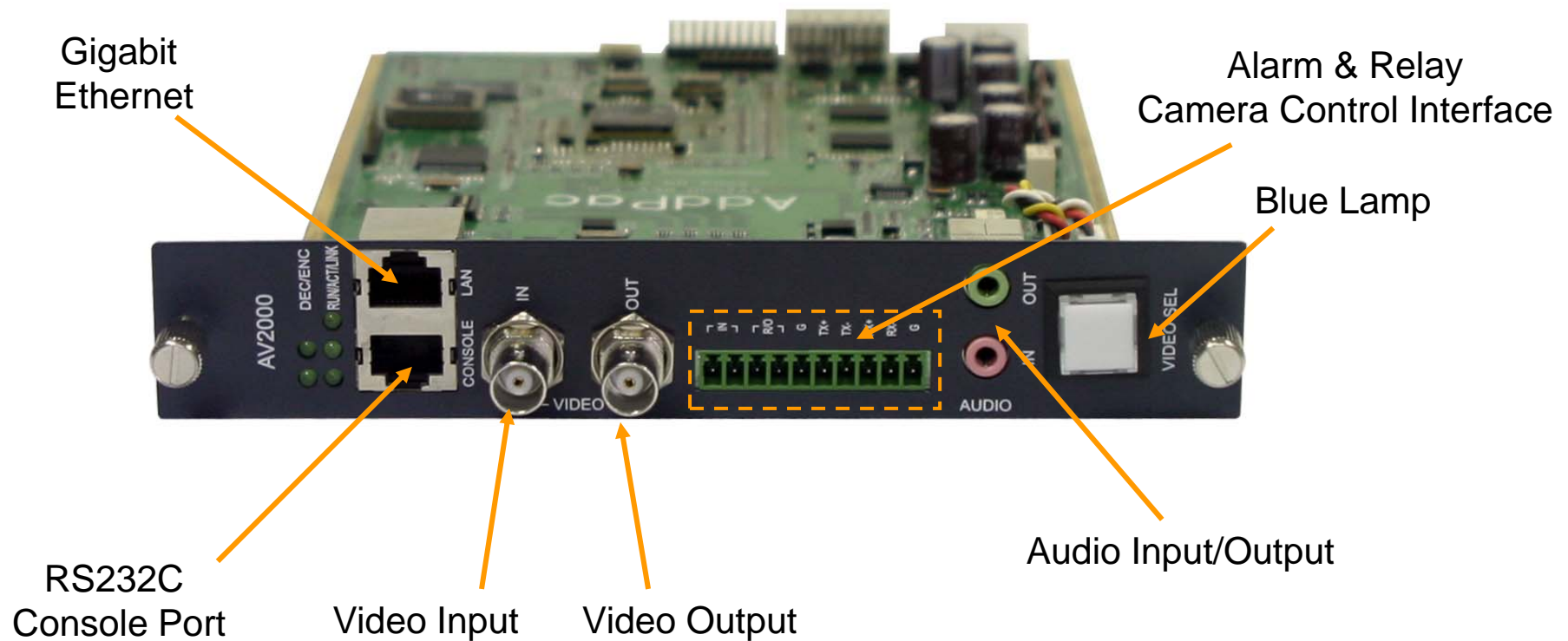


Hardware Specification

AP-NC2000D HD Video Codec

High-end
DSP

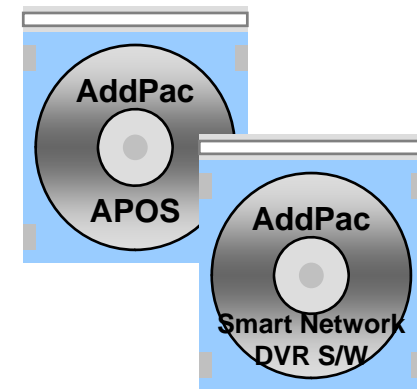
AV2000 D1 Video Encoder/Decoder Module



Software Service

AP-NC2000D 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-NC2000D HD Video Codec

- Video Networking Interface (HD Encoder)
 - HDMI, HD-SDI(BNC), Analog (D1)
- 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), 1080P(1920x1080)
- Up to 30fps at 10Mbps with H.264 1080P Resolution
- Dual Bit-Stream Support
 - High Resolution/Low Frame-Rate for Storage
 - Low Resolution/High Frame-Rate for Real-time Display
 - Additional Intelligent Feature
- 256Kbps to 10Mbps 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-NC2000D 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-NC2000D 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-NC2000D 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-NC2000D Network Camera

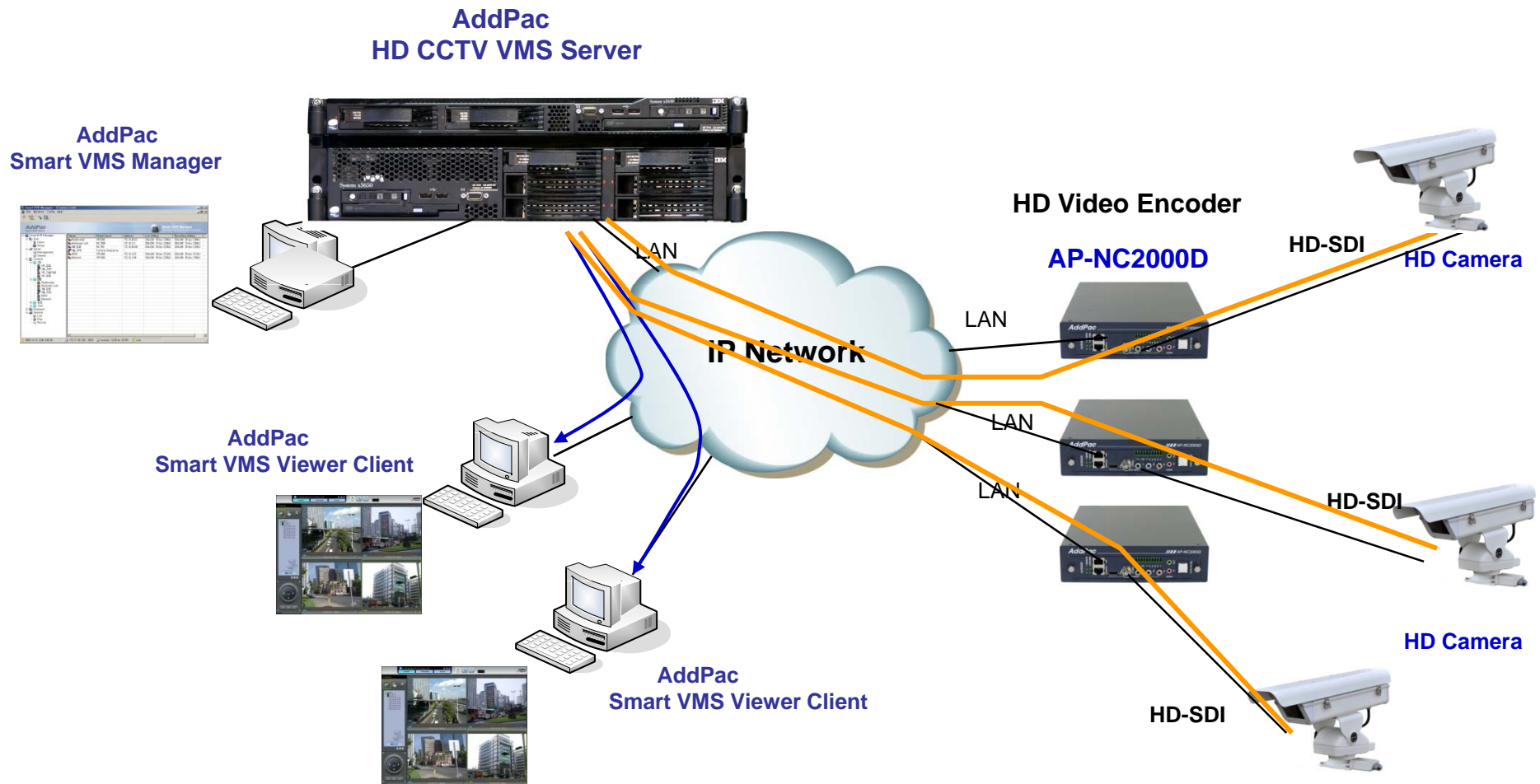
Application Area

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



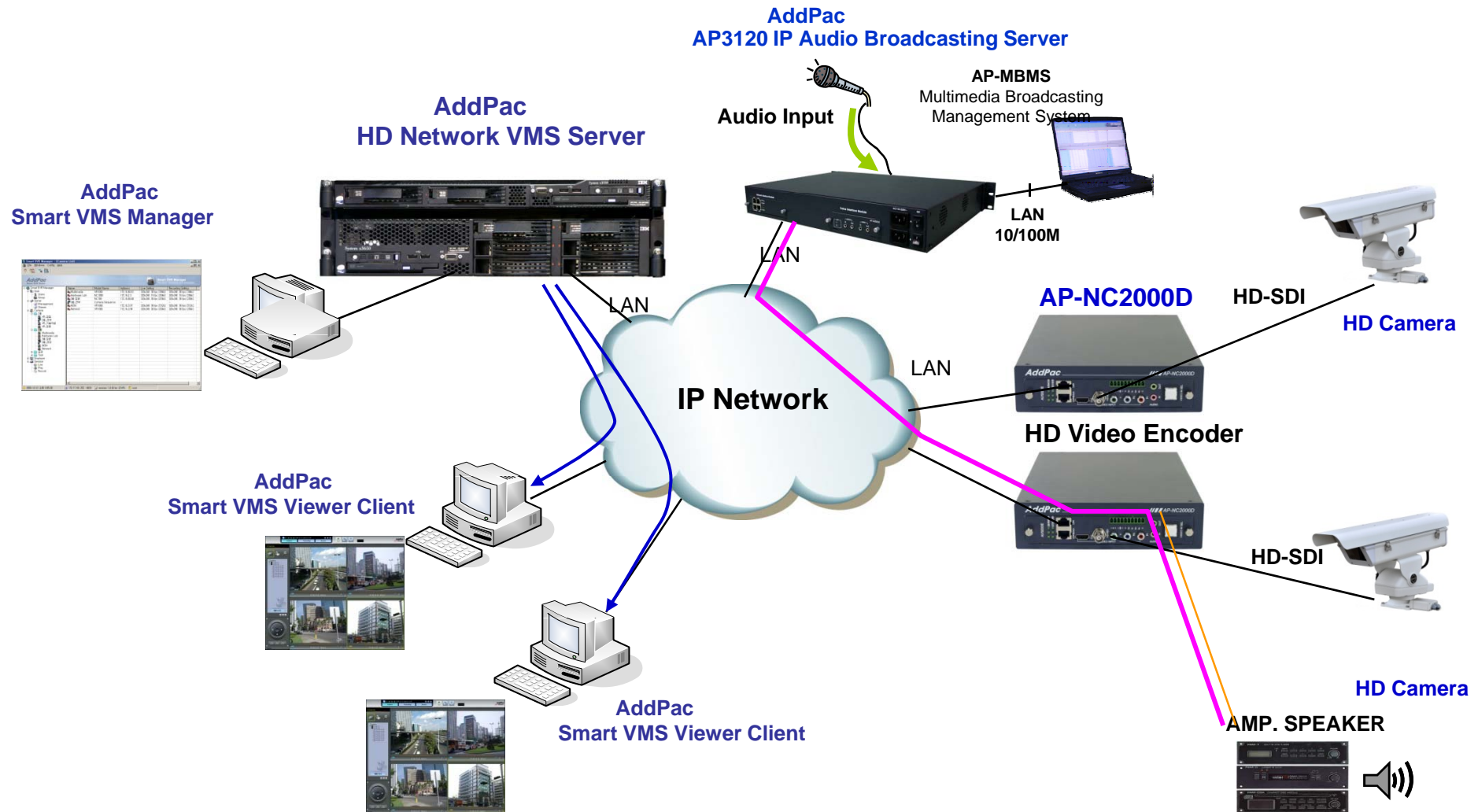
Network Surveillance

AP-NC2000D HD Network Camera



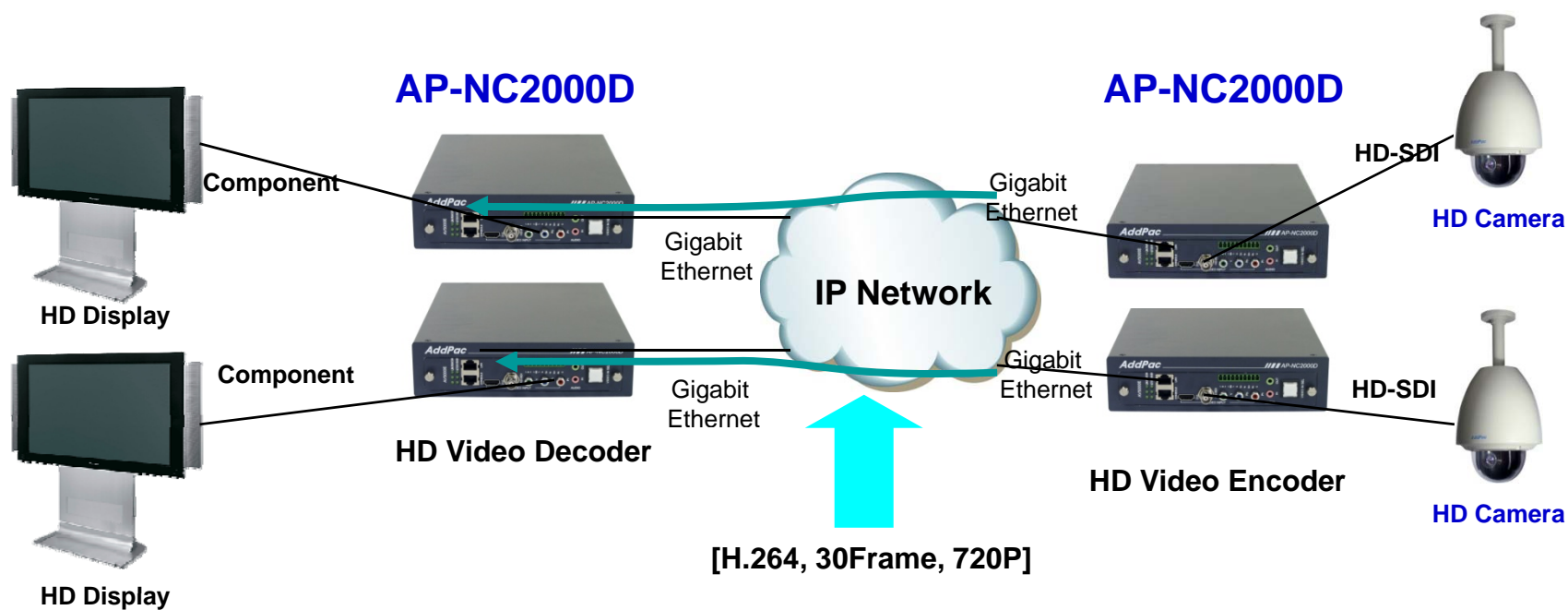
IP Audio Broadcasting + Network Surveillance

AP-NC2000D HD Network Camera



Video Line Extension

AP-NC2000D HD Network Camera



Ordering Information

- **AP-NC2000D HD Video Codec Hardware Platform**
 - Programmable RISC + DSP Architecture
 - Single Full HD Video Module Slot
 - External Power Supply Adaptor
- **AV6000N** : Full HD Video Encoder + Decoder Module
- **AV6000NE** : Full HD Video Encoder Module
- **AV6000ND** : Full HD Video Decoder Module
- **Built-in APOS Internetworking Software for AP-NC2000D**
- **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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