



# AP-NC2000D™

## HD Network Camera

High-performance HD Network Surveillance Solution



# **AddPac**

**AddPac Technology**

2009, 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



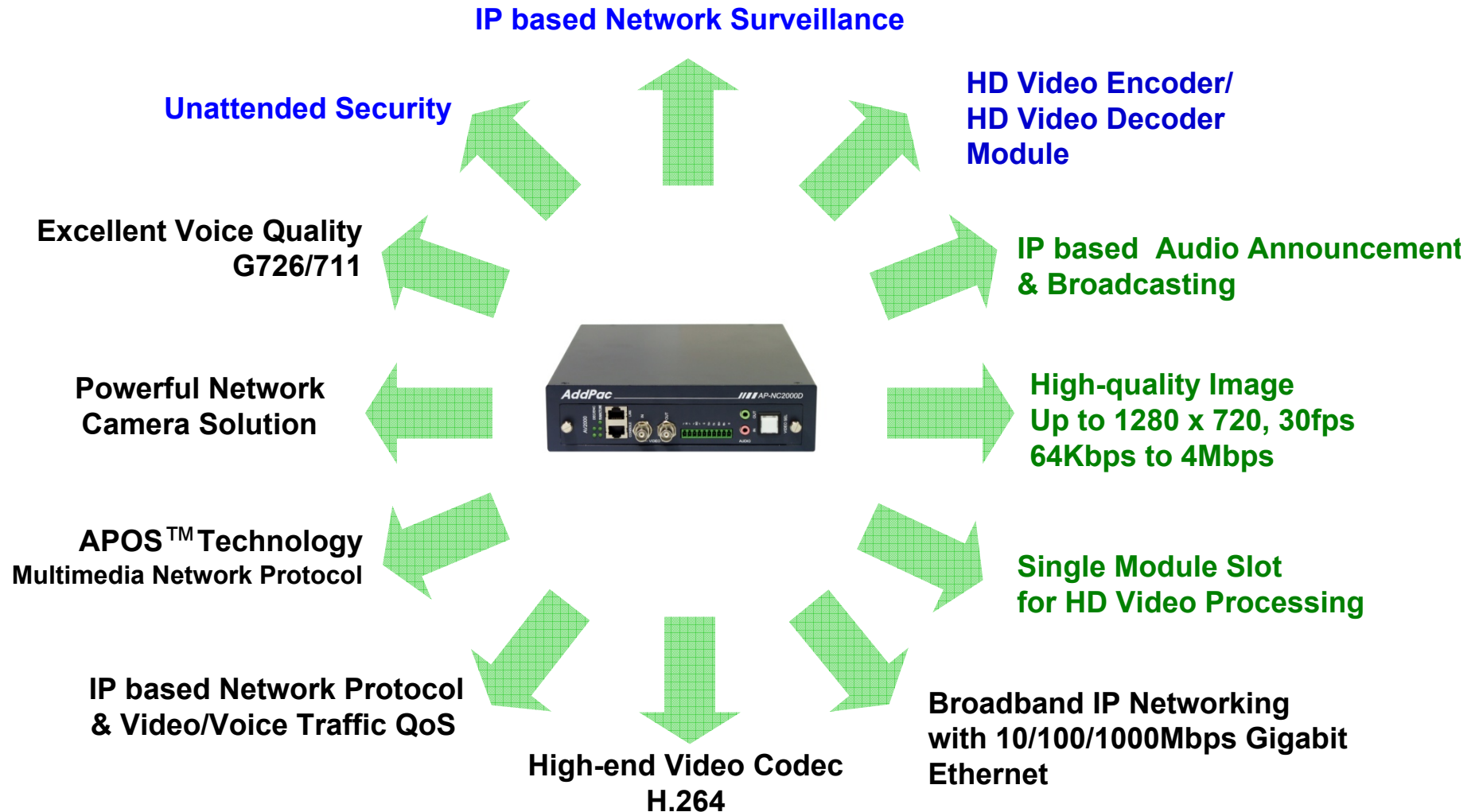
# Product Overview

AP-NC2000D HD Network Camera

- 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 Network Camera



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# Benefits and Features

AP-NC2000D HD Network Camera

- **High Quality Images up to 64kbps and 4Mbps**
- **Single Module Slot for HD Video Module**
- **HD Video Encoder Module(AV5000E)**
- **HD Video Decoder Module(AV5000D)**
- **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) Resolution**
- **IP Audio Announcement & Broadcasting**
- **IP based Network Protocol Support**
- **Video Application**
  - Network Surveillance Solution

# Hardware Specification

AP-NC2000D HD Network Camera

High-end  
**DSP**

- **High-end Programmable DSP Hardware Architecture**
- **HD Video Encoder Module (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-NC2000D HD Network Camera

High-end  
**DSP**

AP-NC2000D Front View



D1 Video Encoder/Decoder Module

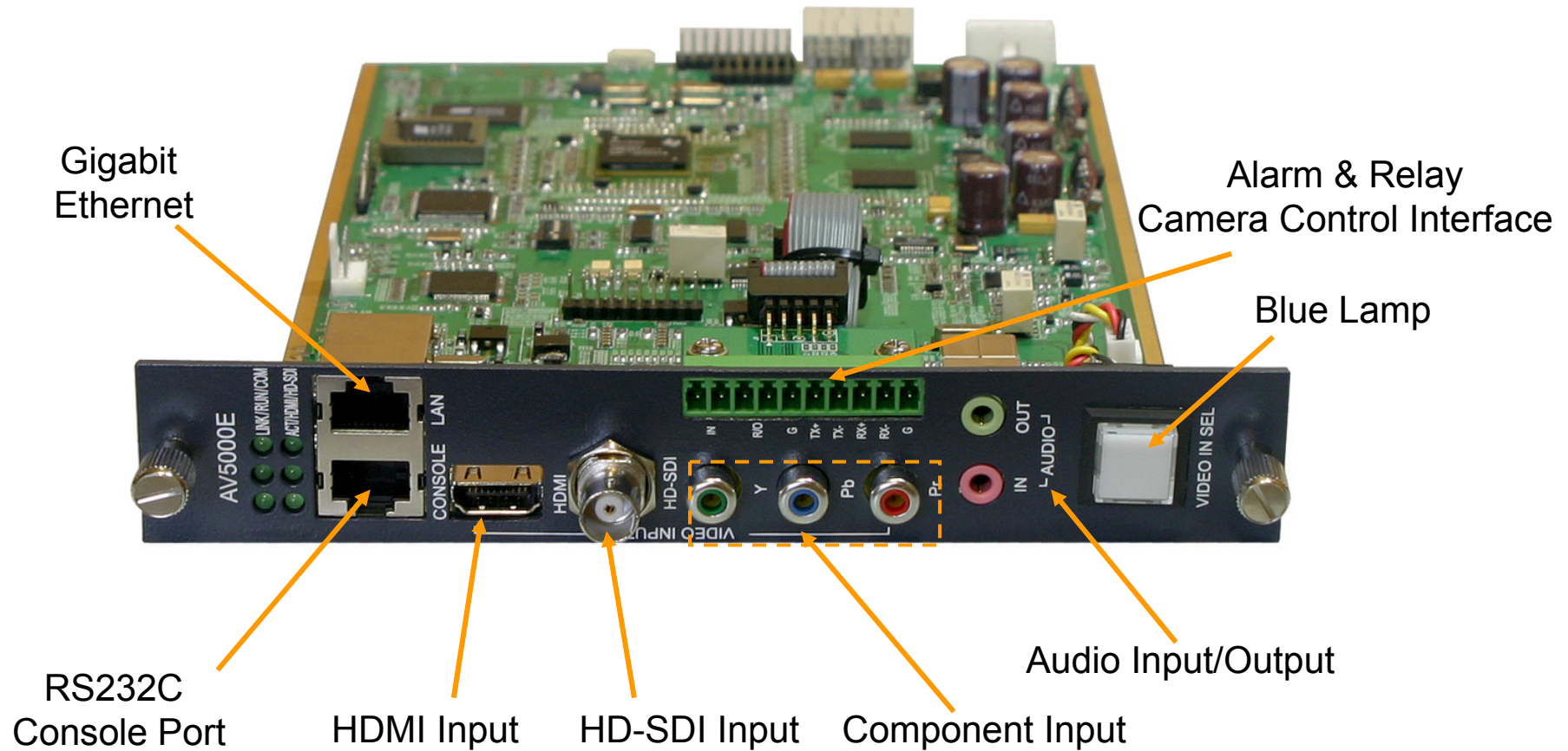


# Hardware Specification

AP-NC2000D HD Network Camera

High-end  
**DSP**

AV5000E HD Video Encoder Module



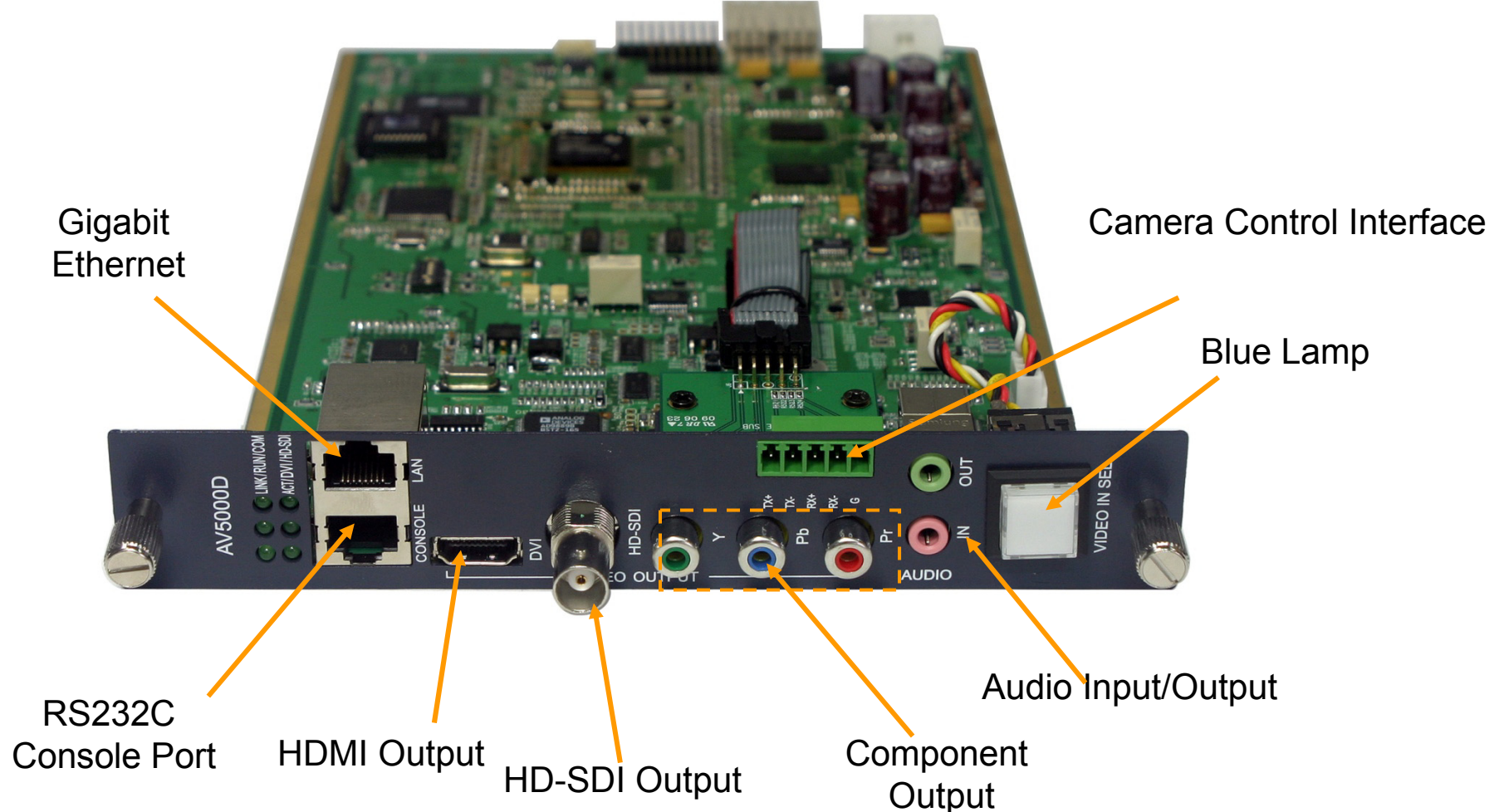


# Hardware Specification

AP-NC2000D HD Network Camera

High-end  
**DSP**

AV5000D HD Video Decoder Module

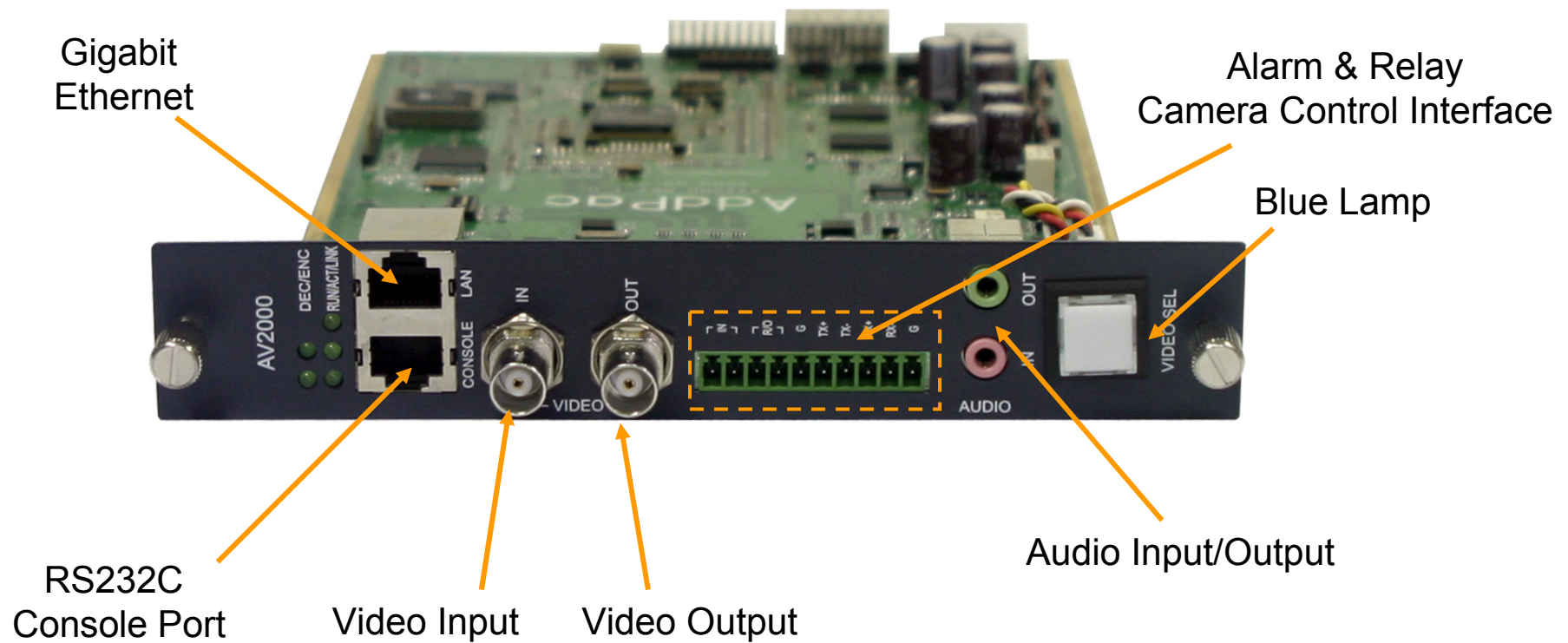


# Hardware Specification

AP-NC2000D HD Network Camera

High-end  
**DSP**

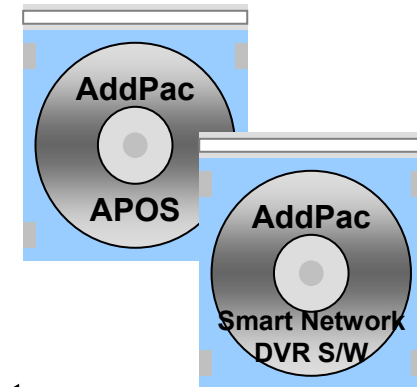
AV2000 D1 Video Encoder/Decoder Module



# Software Service

AP-NC2000D HD Network Camera

- **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 Network Camera

- **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)
- **Up to 30fps at 4Mbps with H.264 720P Resolution**
- **Dual Bit-Stream Support**
  - High Resolution/Low Frame-Rate for Storage
  - Low Resolution/High Frame-Rate for Real-time Display
  - Additional Intelligent Feature
- **64Kbps to 4Mbps 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 Network Camera

- **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 Network Camera

- **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 Network Camera

- **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

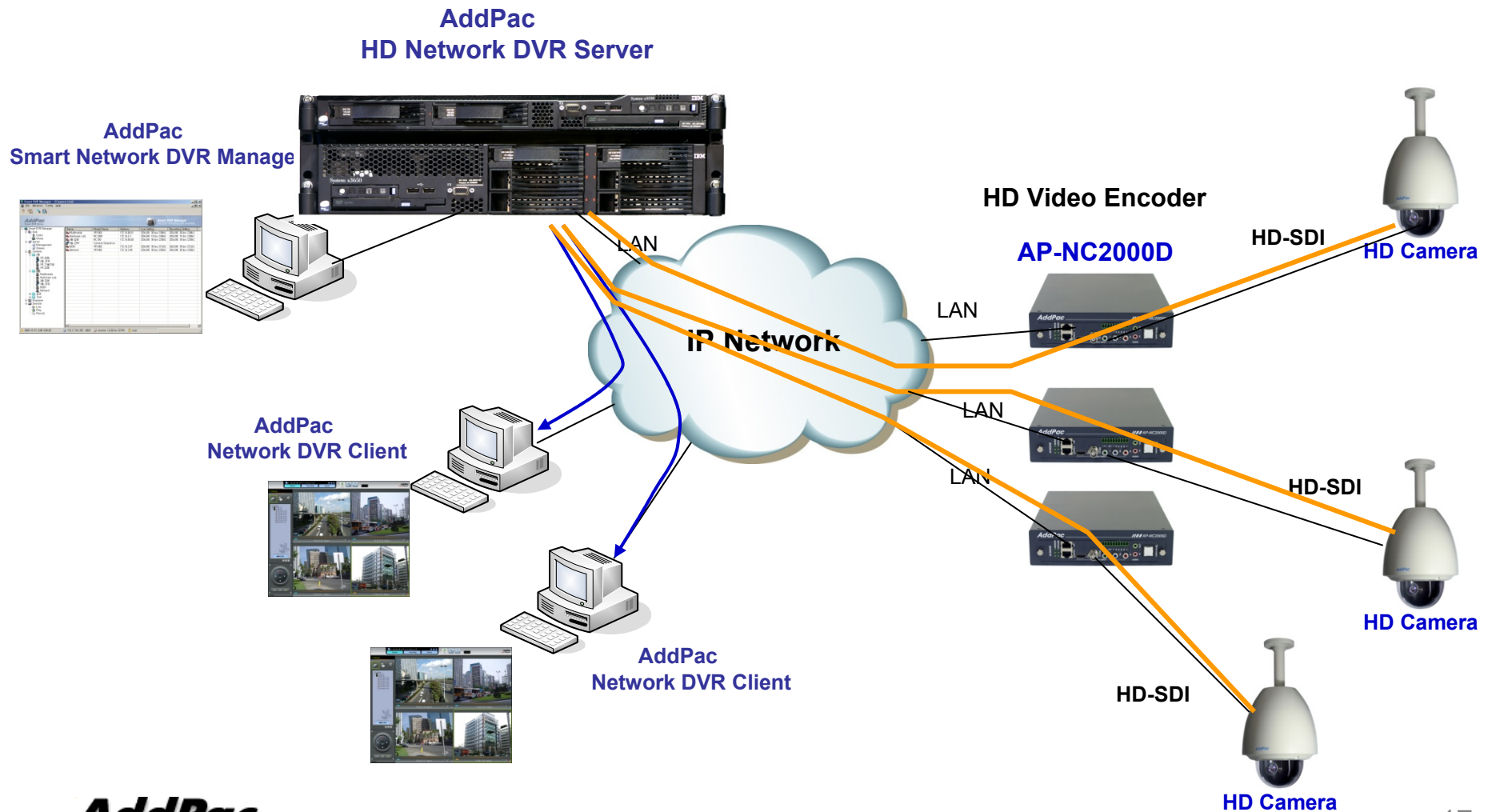
- Network Surveillance
- IP Audio Broadcasting + Network Surveillance
- Video Line Extension





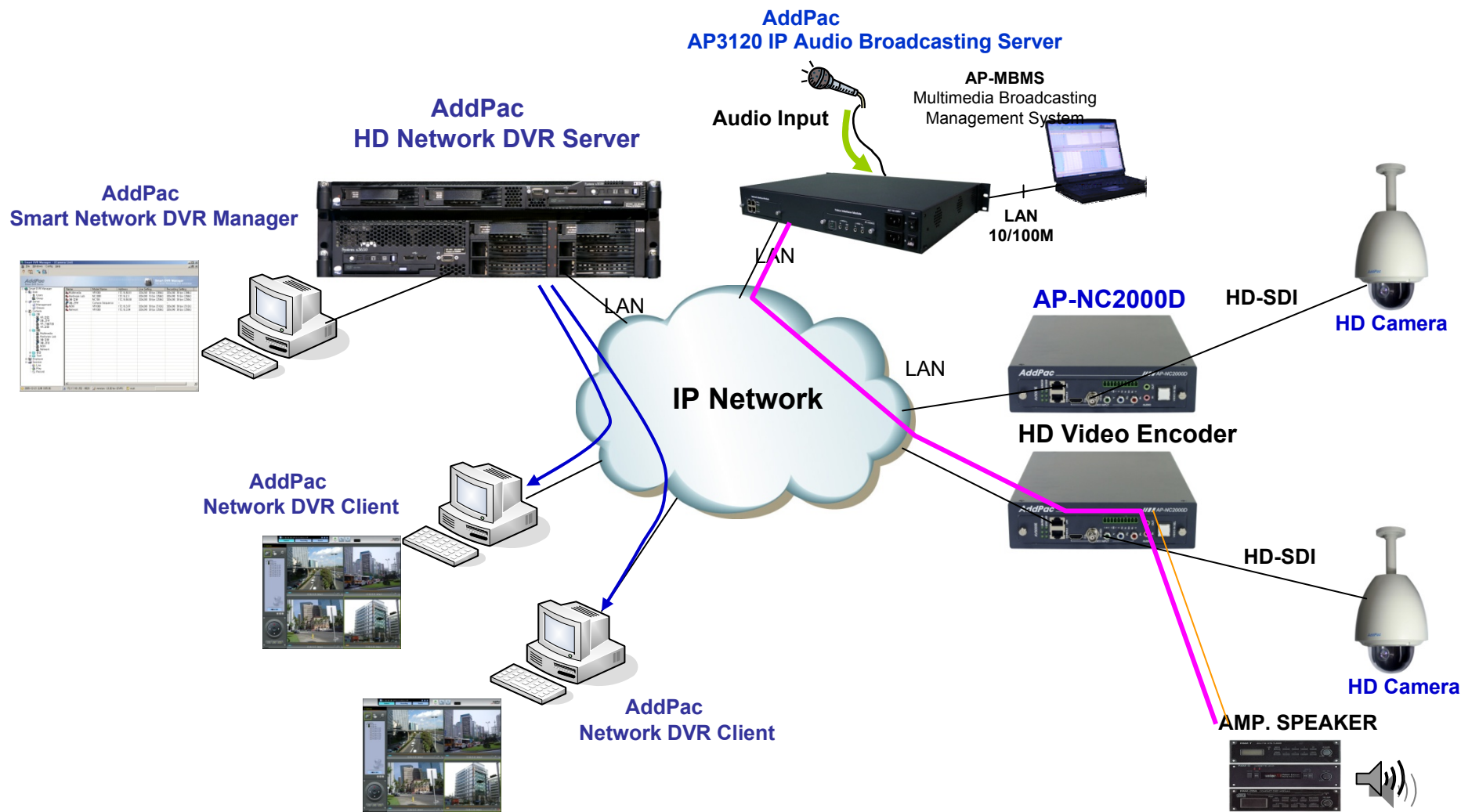
# Network Surveillance

## AP-NC2000D HD Network Camera



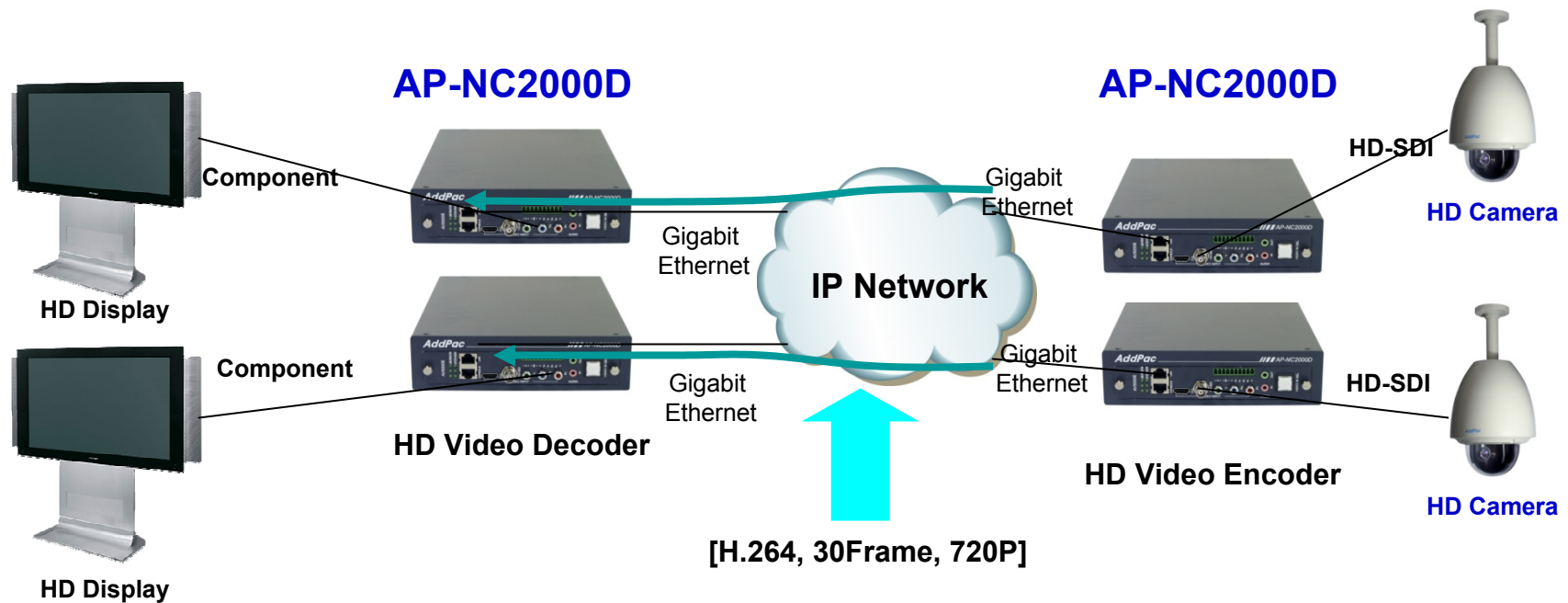
# IP Audio Broadcasting + Network Surveillance

AP-NC2000D HD Network Camera



# Video Line Extension

AP-NC2000D HD Network Camera



# Ordering Information

- **AP-NC2000D Network Camera Hardware Platform**
  - Programmable RISC + DSP Architecture
  - Single HD Video Module Slot
- **AV5000E** : HD Video Encoder Module
- **AV5000D** : HD Video Decoder Module
- **AV2000** : D1 Video Encoder/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](http://www.addpac.com)



# Thank you!

**AddPac Technology Co., Ltd.**  
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