



AP-NC3500™

Multi-Channel HD Network Video Codec

High-performance HD Network Surveillance Solution



AddPac

AddPac Technology

2011, Sales and Marketing

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

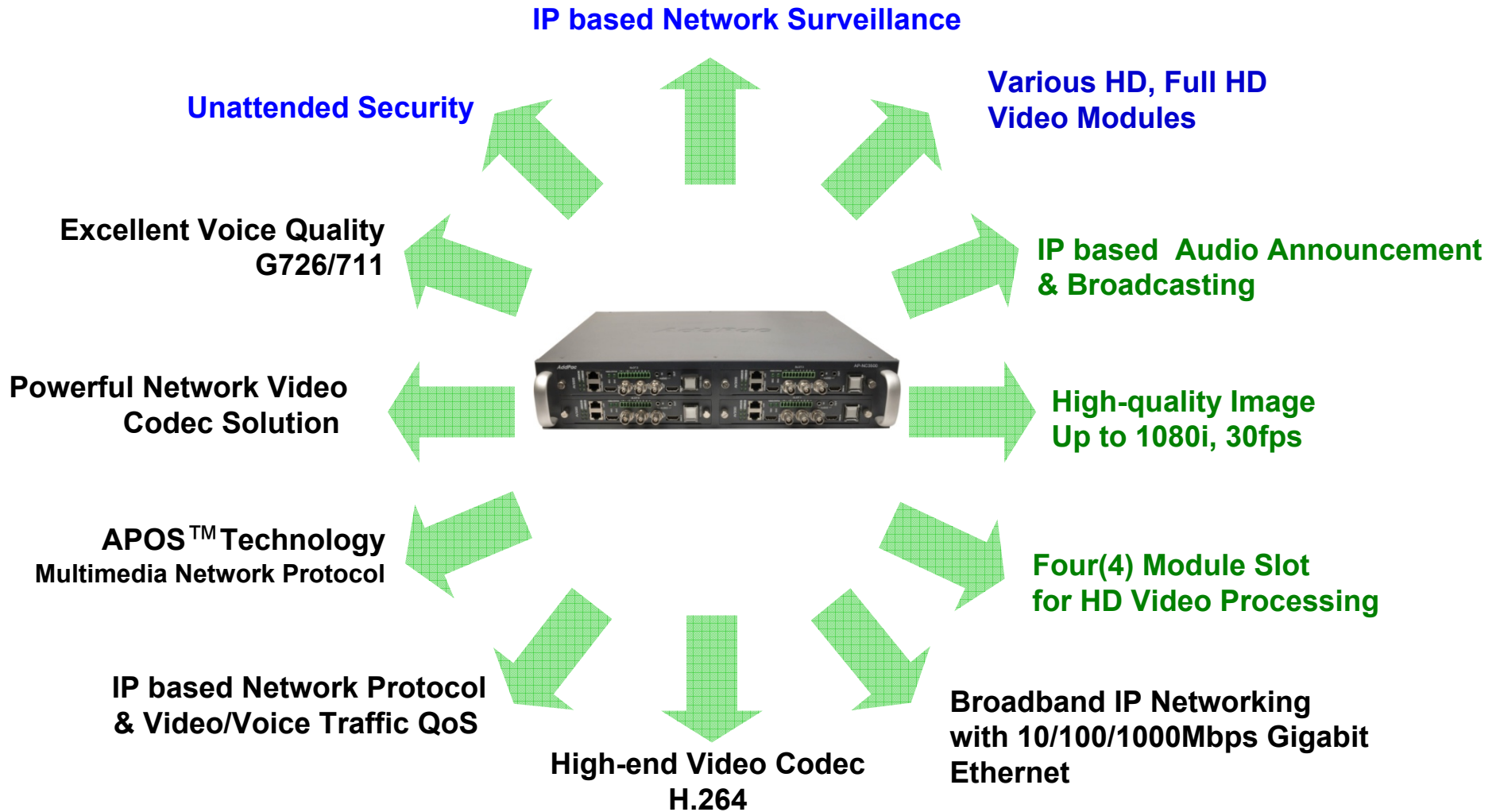
Product Overview

AP-NC3500 Multi-Channel HD Network Video Codec

- IP based Audio/Video Encoding/Decoding Solution
- Four(4) 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
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Product Highlights

AP-NC3500 Multi-Channel HD Network Video Codec



Benefits and Features

AP-NC3500 Multi-Channel HD Network Video Codec

- **High Quality Images up to 64kbps and 15Mbps**
- **Four(4) Module Slots for Video Module**
- **Full HD, HD, SD Video Encoder Module**
- **Full HD, HD, SD Video Decoder Module**
- **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, 1080i Resolution**
- **IP Audio Announcement & Broadcasting**
- **RTSP based Network Protocol Support**
- **Video Application**
 - Network Surveillance Solution

Hardware Specification

AP-NC3500 Multi-Channel HD Network Video Codec

High-end
DSP

- **High-end Programmable DSP Hardware Architecture**
- **Full HD Video Encoder/Decode Module (Ex : AV6000)**
 - **Network Interface**
 - One(1) 10/100/1000Mbps Gigabit Ethernet
 - One(1) Console Port
 - **Powerful Video Input/output 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 Camera Control
 - **I/O Interface**
 - 2 Alarm Input, 1 Relay

Hardware Specification

AP-NC3500 Multi-Channel HD Network Video Codec

High-end
DSP

AP-NC3500 Front Side View



HD Video Encoder Module

Hardware Specification

AP-NC3500 Multi-Channel HD Network Video Codec

High-end
DSP

AP-NC3500 Back Side View

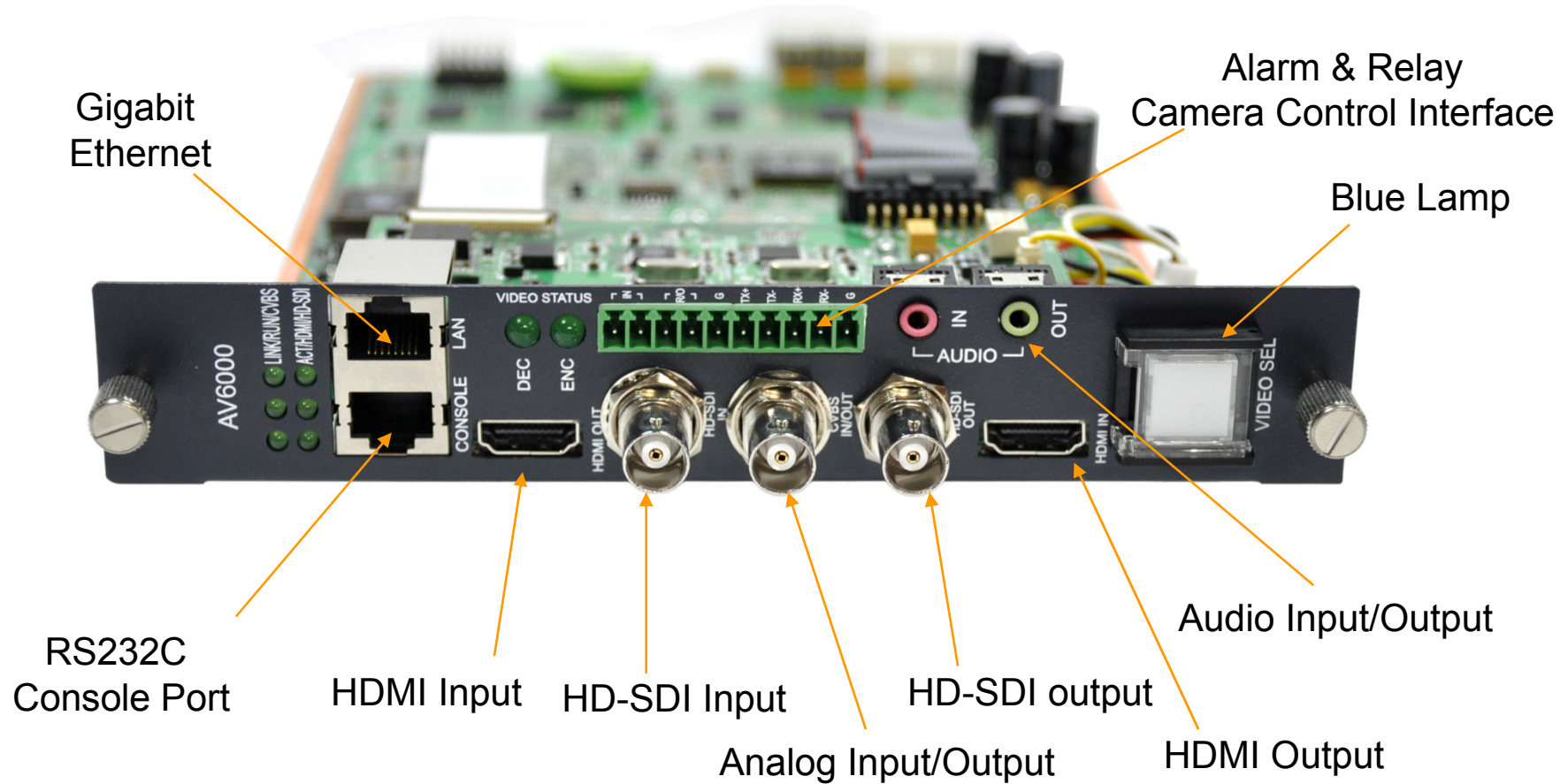


Hardware Specification

AP-NC3500 Multi-Channel HD Network Video Codec

High-end
DSP

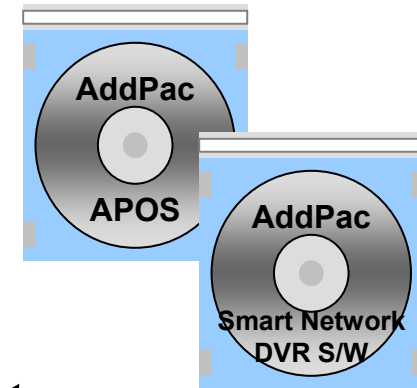
AV6000 Full HD Video Encoder/Decoder Module



Software Service

AP-NC3500 Multi-Channel HD Network 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-NC3500 Multi-Channel HD Network Video Codec

- **Video Networking Interface**
 - HDMI, HD-SDI(BNC), Analog(BNC)
- **High-performance Video Codec Support**
 - H.264
- **Powerful Image Resolution Support**
 - CIF(352x288), D1(720x480), 720P(1280 x720), 1080i
- **Up to 30fps at 15Mbps with H.264 1080i-Resolution**
- **H.264 BP/MP/HP(High Profile) Video Codec Support**
- **Dual, Triple, Quadruple Bit-Stream Support**
 - High Resolution/Low Frame-Rate for Storage
 - Low Resolution/High Frame-Rate for Real-time Display
 - Additional Intelligent Feature
- **64Kbps 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-NC3500 Multi-Channel HD Network 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-NC3500 Multi-Channel HD Network 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-NC3500 Multi-Channel HD Network 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-NC3500 Network Video Codec

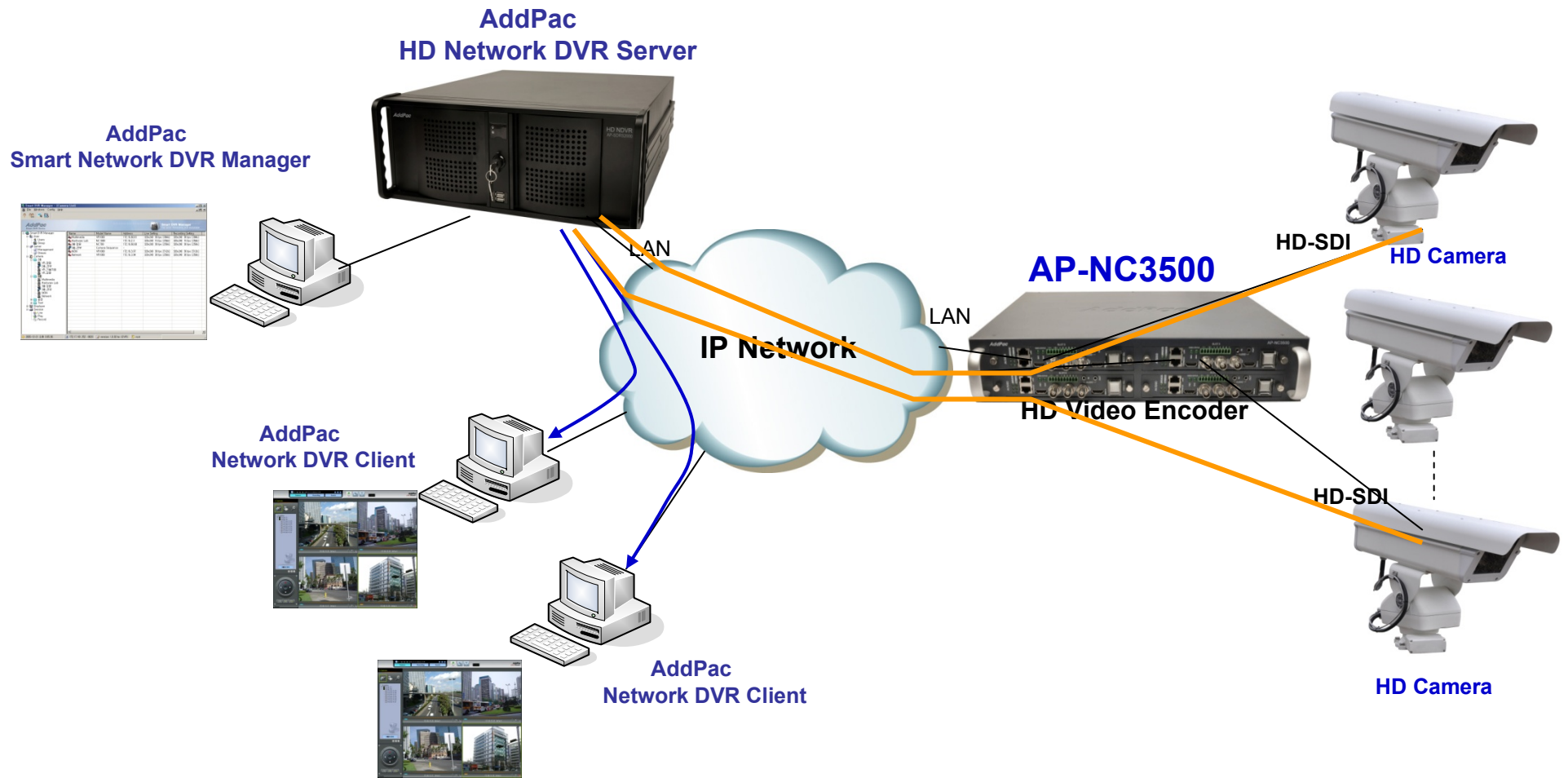
Application Area

- Network Surveillance
- Video Line Extension
- HD NVR Service Diagram



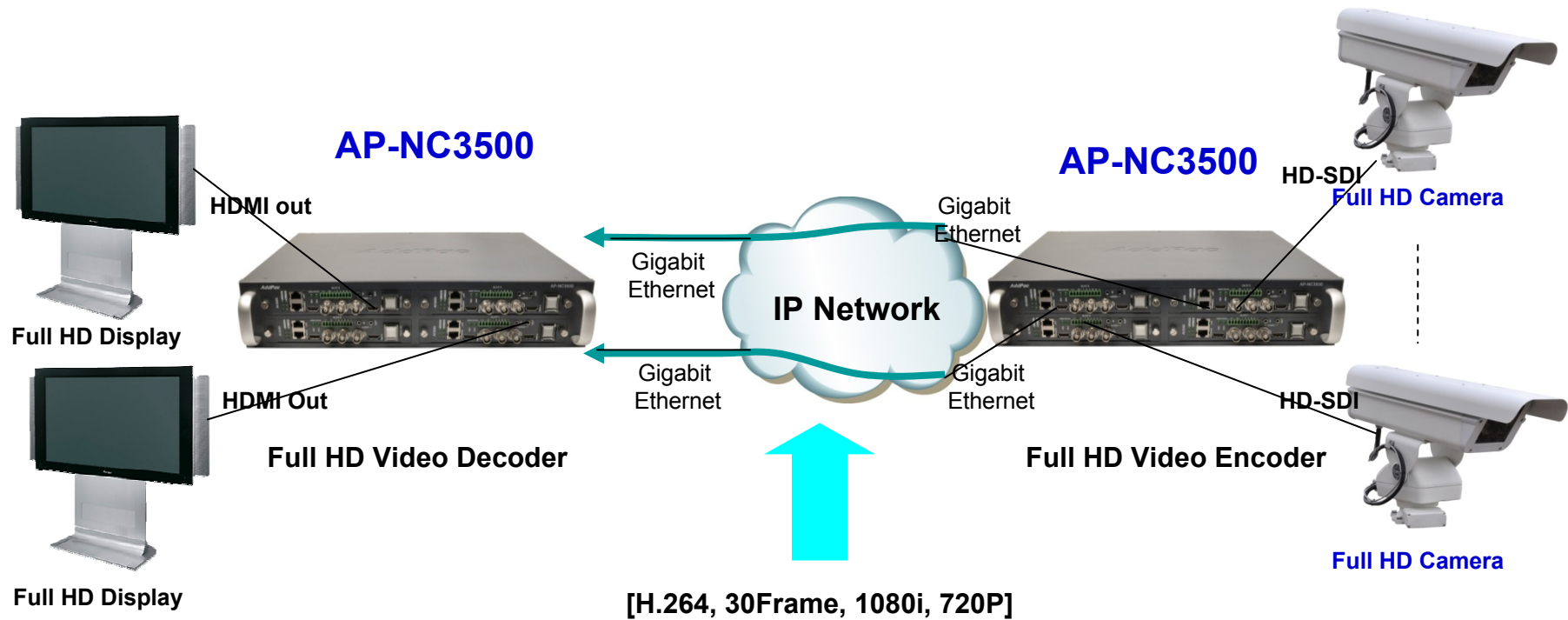
Network Surveillance

AP-NC3500 Multi-Channel HD Network Video Codec

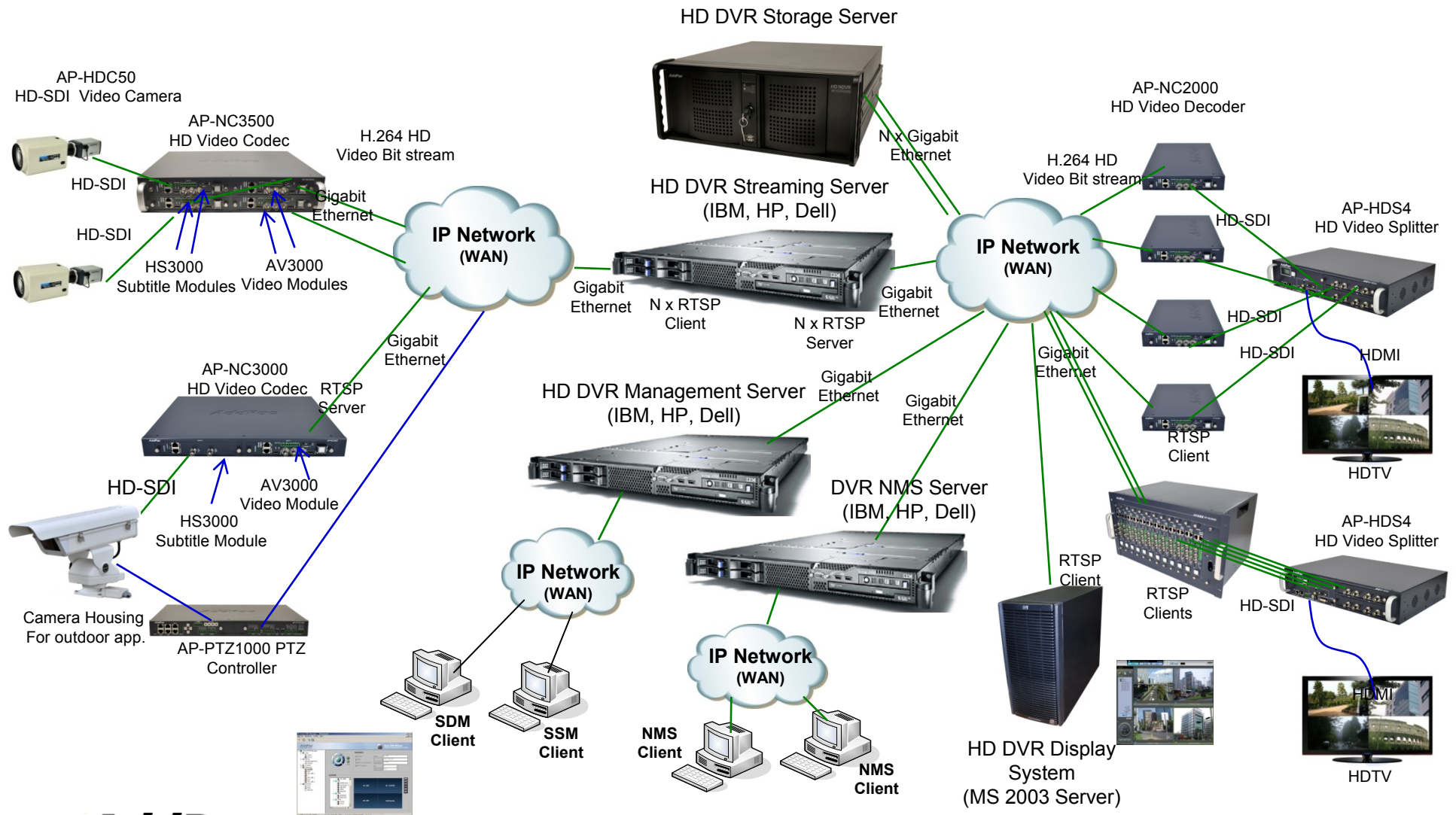


Video Line Extension

AP-NC3500 Multi-Channel HD Network Video Codec



HD Network DVR Service Diagram



Ordering Information

- **AP-NC3500 Network Camera Hardware Platform**
 - Programmable RISC + DSP Architecture
 - Four(4) Video Module Slots
- **AV6000, AV3500, AV3000, AV2000 Video Modules**
- **Built-in APOS Internetworking Software for AP-NC3500**
- **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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