

AP-VBS7000

Multi-Channel Full HD Video Broadcasting Server
Next Generation IP based HD Video Broadcasting Server Solution

Preliminary Product Overview

(Without notice, following described technical spec. can be changed)



AddPac

AddPac Technology

Sales and Marketing

www.addpac.com

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Product Overview

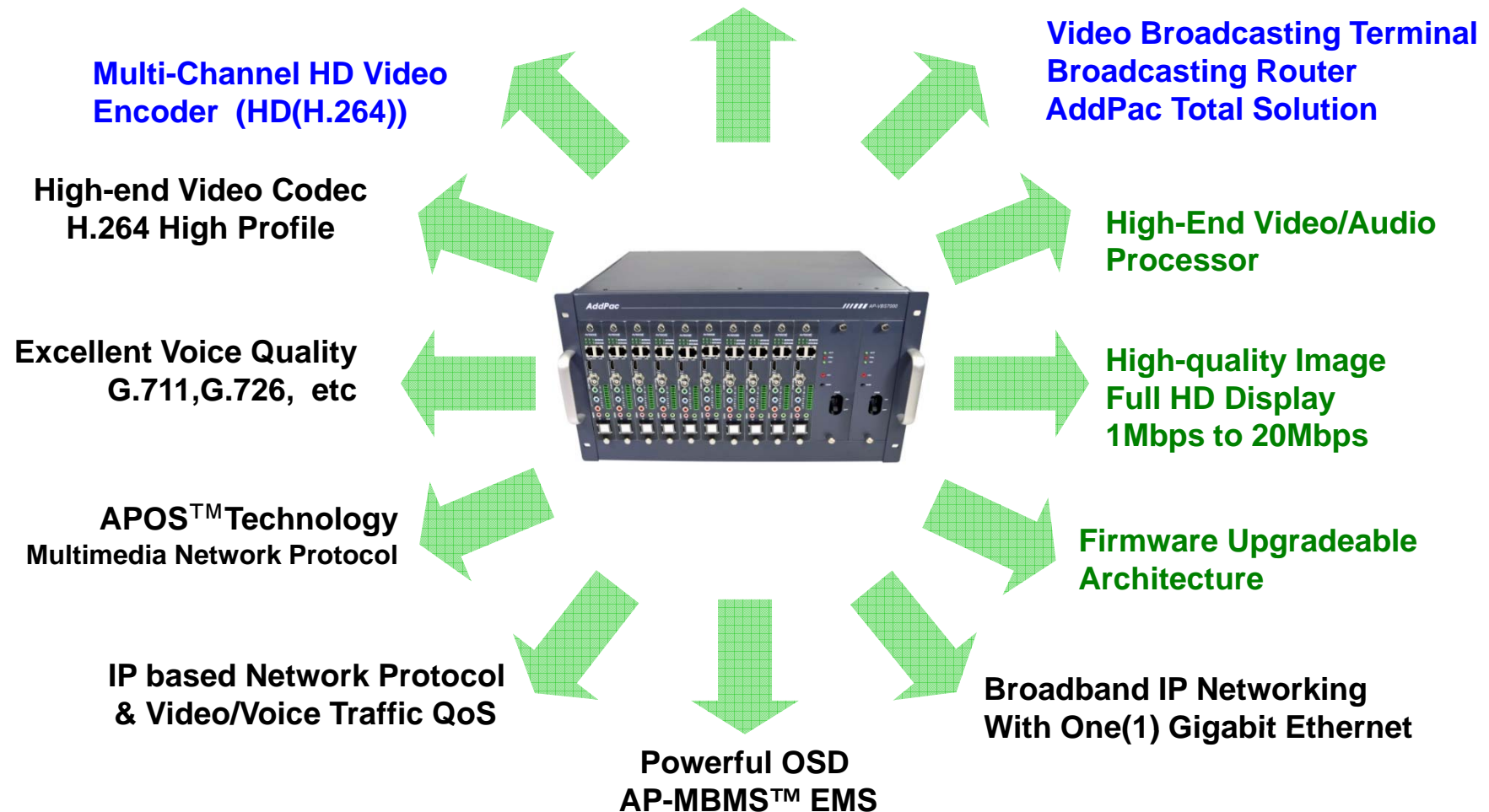
AP-VBS7000 Multi-Channel HD Video Broadcasting Server

- IP based HD Video Broadcasting Service Solution
- High Performance Real-time Audio/Video Broadcasting Solution
- Multi-Channel HD Video Broadcasting Solution
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Multimedia Broadcasting Management Software (Client/Server Architecture)

Product Highlights

AP-VBS7000 Multi-Channel HD Video Broadcasting Server

IP based HD Video Broadcasting Server

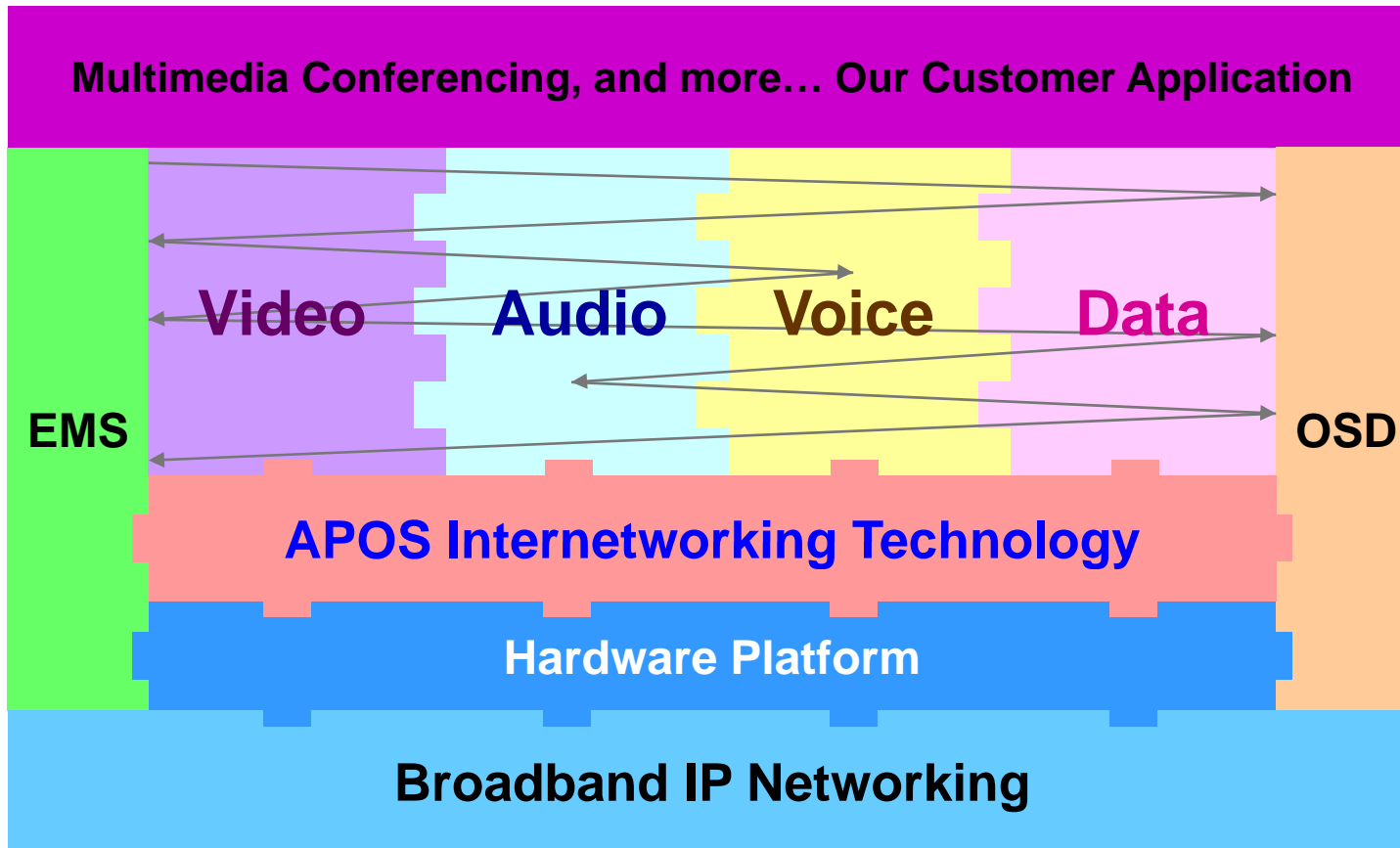


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Multimedia Service

AP-VBS7000 Multi-Channel HD Video Broadcasting Server



- APOS : AddPac Internetworking Operating System
- OSD : On- Screen Display
- EMS : Element Management System

Benefits and Features

AP-VBS7000 Multi-Channel HD Video Broadcasting Server

- **High Quality Images up to 1Mbps and 20Mbps**
- **High-performance Audio & Video Codec Support**
 - H.264 High Profile Video Codec
 - Line IN : G.726, G.711, etc, Audio Codec
- **Multi-Channel HD Video Encoding (Up to 10 Modules)**
- **Up to 30 frame/sec, 1080i Full HD, 720P Resolution**
- **RTP based Real-Time HD Broadcasting Service**
- **IP based Network Protocol Support**
- **Video Application**
 - Audio & Video Broadcasting Solution

Hardware Specification

AP-VBS7000 Multi-Channel HD Video Broadcasting Server

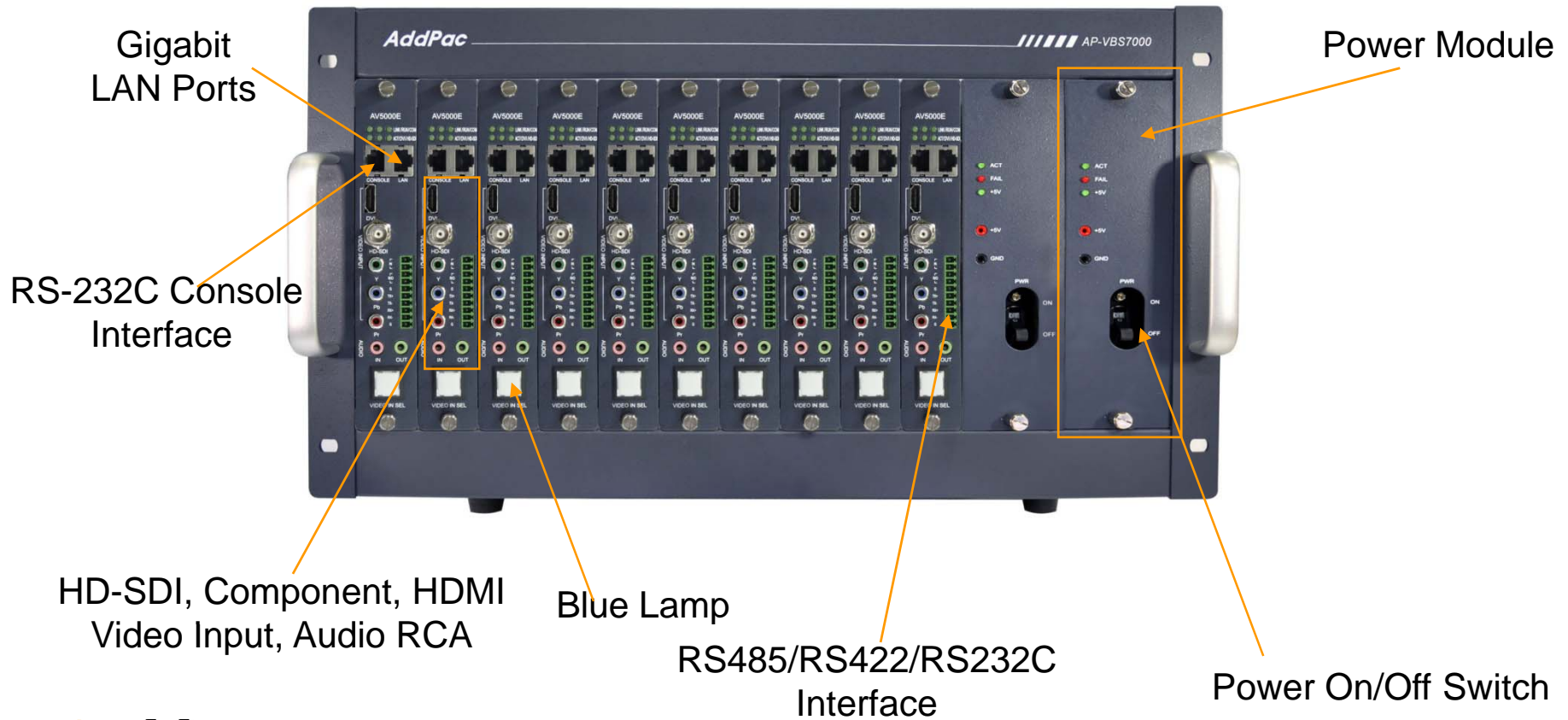
High-end
Video
Processor

- **High-End Video Processors + RSIC Processor**
- **Main Chassis**
 - **Module based Dual Power Supply**
 - **Power On/Off Switch**
 - **Up to Ten(10) Video Encoder Module Slots**
 - **AV5000E-N2 HD Video Encoder Module**
 - **Network Interface**
 - One(1) 10/100/1000Mbps Gigabit Ethernet
 - One(1) RS-232C Console (RJ45)
 - RS485/RS422/RS232 Interface
 - **Video Interface (Input)**
 - Component
 - HD-SDI Interface
 - HDMI Interface
 - **Audio Interface (Input/Output)**
 - RCA Stereo Connector

Hardware Specification

AP-VBS7000 Multi-Channel HD Video Broadcasting Server

AP-VBS7000 Front Side View



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Hardware Specification

AP-VBS7000 Multi-Channel HD Video Broadcasting Server

AP-VBS7000 Back Side View

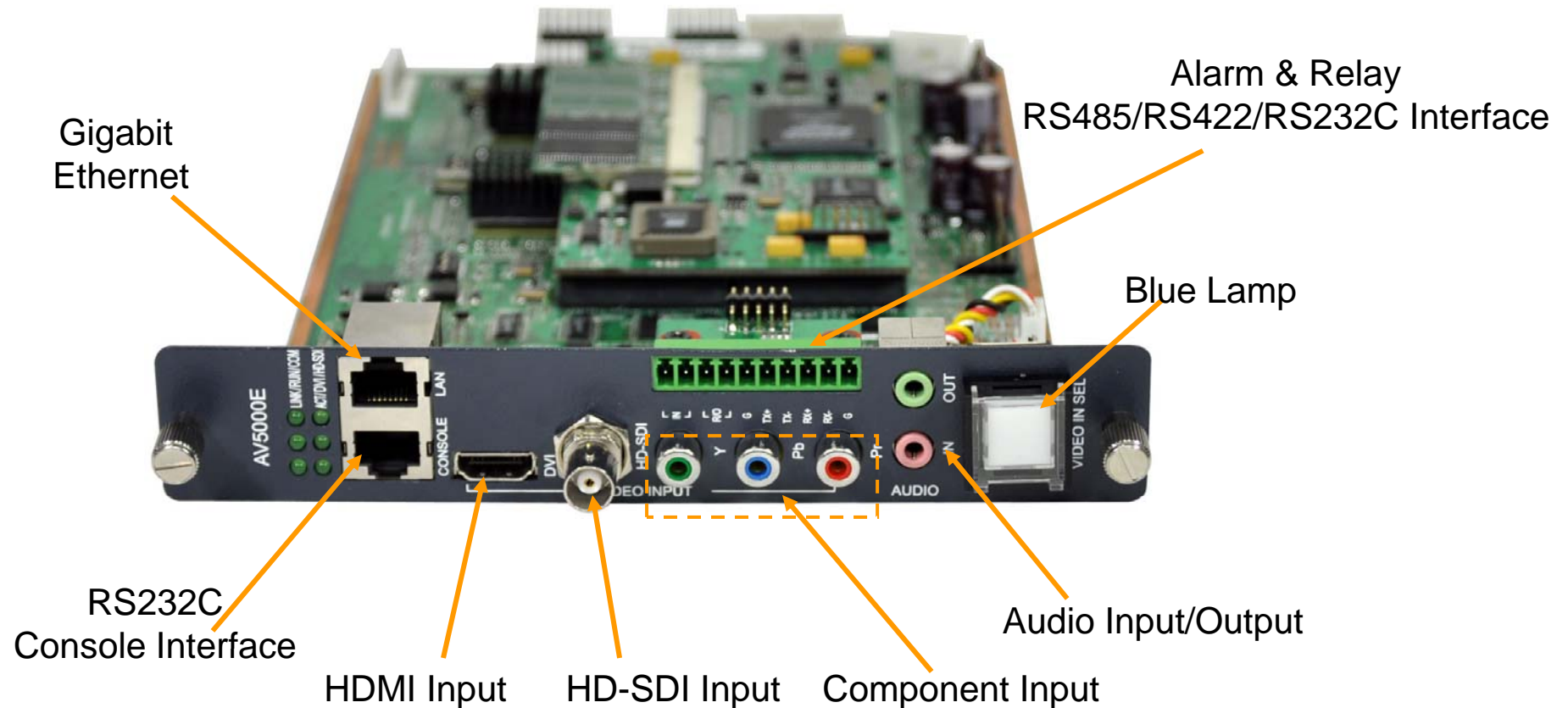


AC110~220V Free Voltage
Power Inlet

Hardware Specification

AP-VBS7000 Multi-Channel HD Video Broadcasting Server

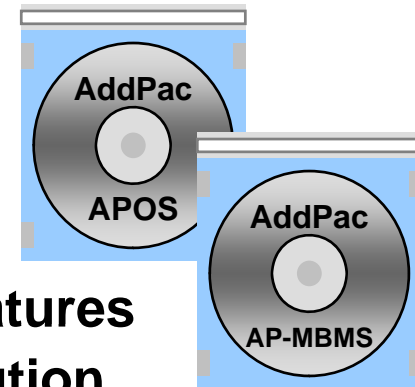
AP5000E-N2 HD Video Encoder Module



Software Service

AP-VBS7000 Multi-Channel HD Video Broadcasting Server

- **Built-in AddPac APOS Internetworking Software**
 - Scalability, Functionality, and Stability Features
 - Video Traffic QoS Control
- **Programmable Video, Audio, and Voice Services**
 - Video Codec, Audio, and Voice Codec
- **Industry Standard IP based Network Protocol Features**
- **AP-MBMS (Multi-media Broadcasting Management System) Solution**
 - Server and Client Architecture
 - JAVA based EMS Solution
 - Broadcast Status Monitoring, Scheduling, Login Management, and Remote System Management Support
 - Intel Pentium Machine with MS Window Server OS and MS-SQL



Video Service and Features

AP-VBS7000 Multi-Channel HD Video Broadcasting Server

- High-performance Video Codec Support
 - H.264 High Profile
- Powerful Image Resolution Support
 - 1080i(1920x1080), 720P(1280x720)
- Up to 30fps at Full HD-Resolution (H.264)
- 1Mbps to 20Mbps Operating Video Traffic Bandwidth
- Video Buffer Control for Video Traffic QoS
 - Ensuring Optimized Quality
 - Frame Rate Control with Limited Bandwidth
- Up to Ten(10) Video Channel Support
- HDMI, HD-SDI, Component Video Interface
- RTP/UDP based Real-time Video Broadcasting Service

AP-VBS7000 HD Video Broadcasting Server

Application Area

- IP based Audio Real-time Broadcasting
- IP based Audio/Video Real-time HD Broadcasting



AP-VBS7000 Multi-Channel HD
Video Broadcasting Server

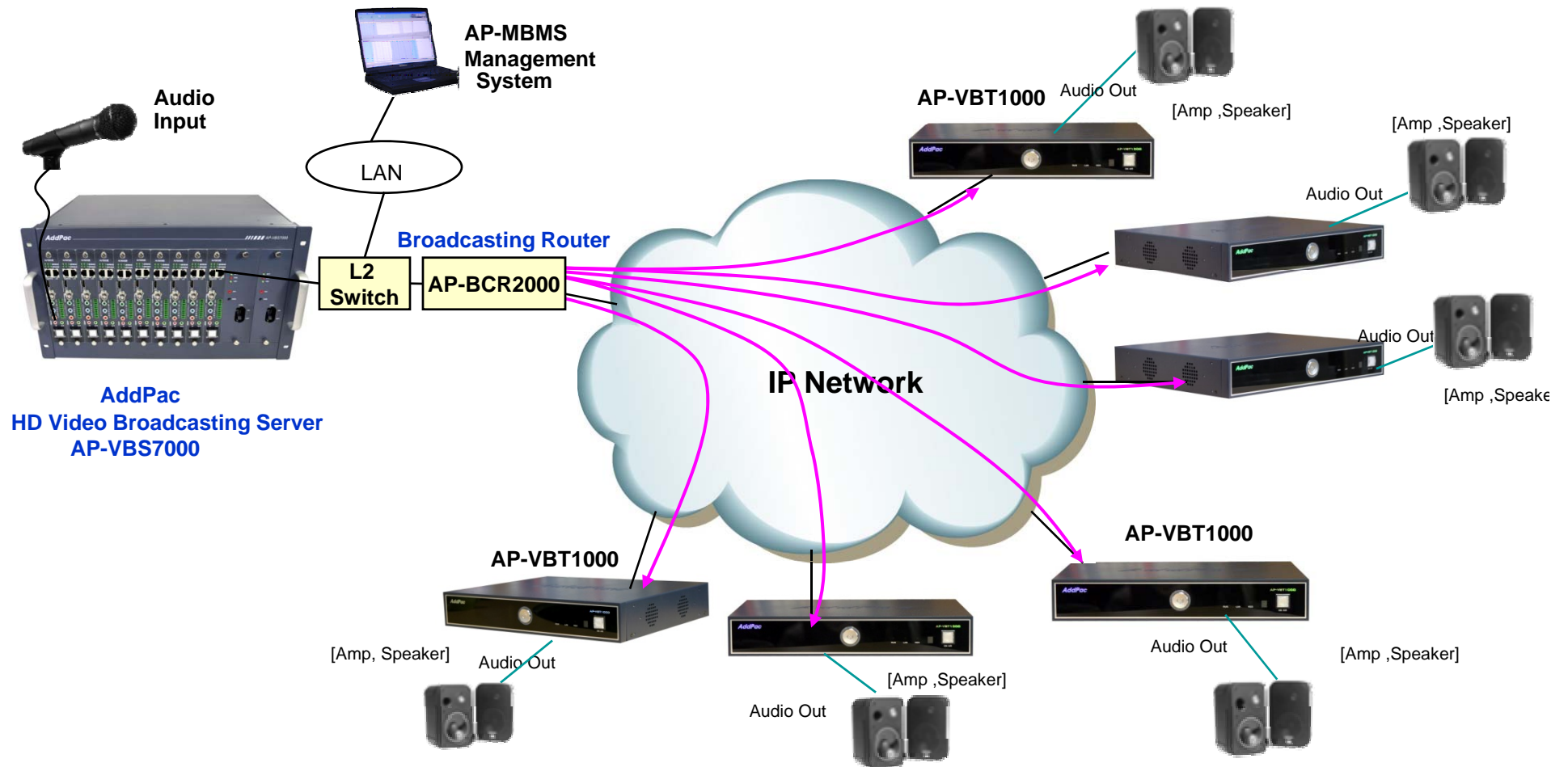


AP-VBT1000 HD Video Terminal

Audio Real-time Broadcasting

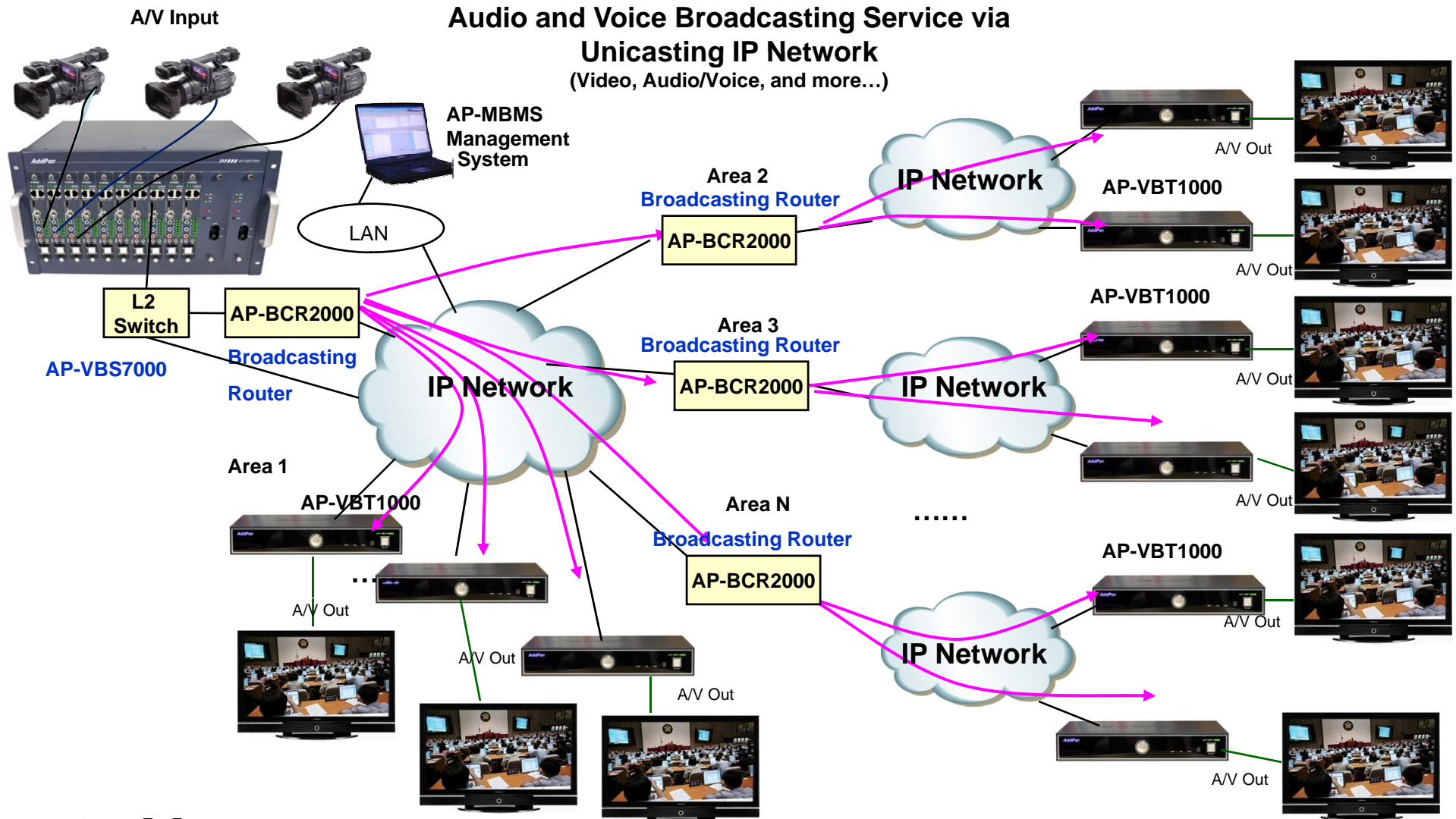
AP-VBS7000 Multi-Channel HD Video Broadcasting Server

Audio Broadcasting Service via IP Network



Audio/Video Real-time Broadcasting

AP-VBS7000 Multi-Channel HD Video Broadcasting Server



HD IP Broadcasting Solution

AP-VBS7000 Multi-Channel HD Video Broadcasting Server

- Full HD IP Video Broadcasting Server : AP-VBS7000
- HD IP Video Broadcasting Server : AP-VBS5000
- Audio/Video Broadcasting Manager : AP-MBMS
- IP Broadcasting Router : AP-BCR2000
- HD Video Broadcasting Terminal : AP-VBT1000
- Video Broadcasting Monitoring Terminal: AP-VP500
- Video Broadcasting Terminals : AddPac Video Phones
- Network Service Diagram



AP-BCR2000



AP-VBS7000



AP-VBS5000



AP-VBT1000



AP-VP500

HD IP Broadcasting Server Comparison

AP-VBS7000 Multi-Channel HD Video Broadcasting Server

	AP-VBS7000	AP-VBS5000
Video Codec	H.264 High Profile	H.264 Base Profile, MPEG4
Video Resolution	1080i Full HD, 720P HD	H.264 : 720P HD MPEG4 : VGA, QVGA
Video Input Interface	Component, HD-SDI, HDMI	Component, HD-SDI, RCA, S-Video, RGB
Audio Interface	RCA Stereo Interface	RCA Stereo Interface
Channel Number	Up to Ten(10) Video Input Support	Two(2) Video Input Support
Video Terminal	AP-VBT1000	AP-VBT1000, AddPac Video Phones

Ordering Information

- **AP-VBS7000 HD Video Broadcasting Server**
 - AP-VBS7000 HD Video Broadcasting Server Main Chassis
 - AV5000E-N2 Video Module : Option
 - One(1) Power Module
 - Dual Power Module : Option
 - Network Cable Set & Power Supply Cable, etc.
- **Built-in APOS Internetworking Software for AP-VBS7000**
- **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!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail sales@addpac.com