AP-VBS3000

Two(2)-Channel Full HD Video Broadcasting Server
Next Generation IP based Full HD Video Broadcasting Server Solution

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

AddPac Technology

Sales and Marketing

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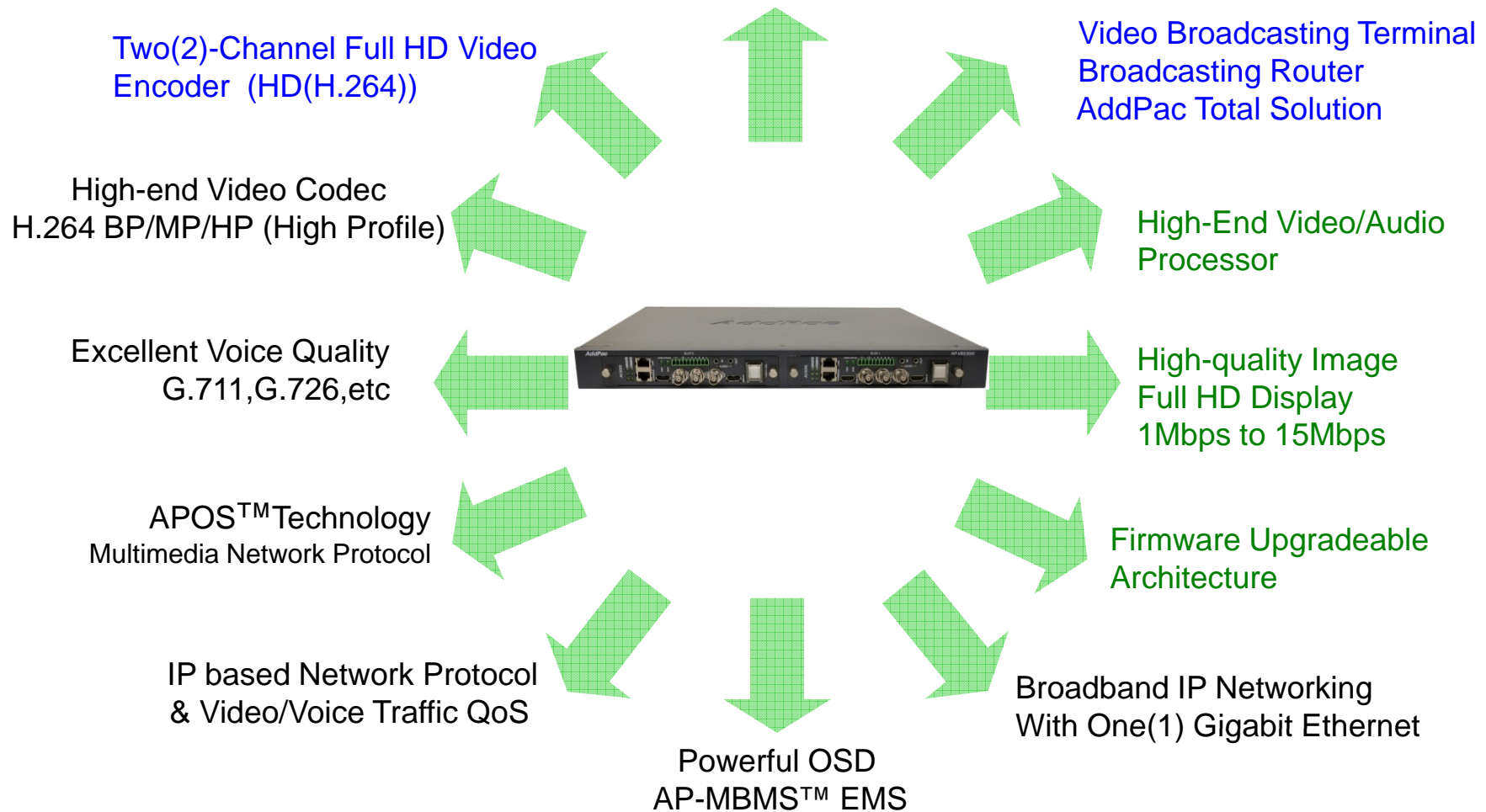
Product Overview

AP-VBS3000 Two(2)-Channel Full HD Video Broadcasting Server

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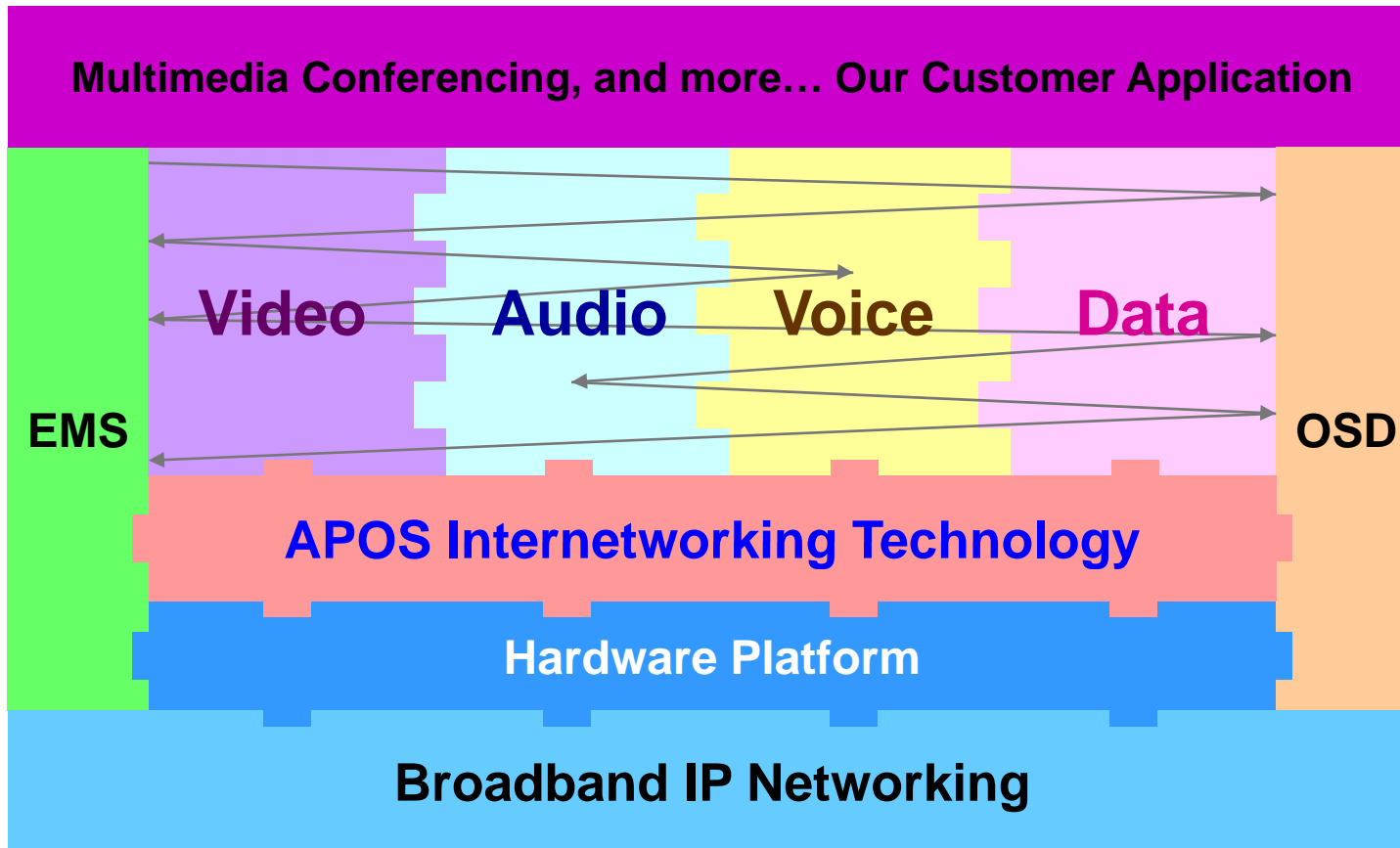- Multimedia Broadcasting Management Software (Client/Server Architecture)

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Product Highlights

AP-VBS3000 Two(2)-Channel Full HD Video Broadcasting Server

IP based Full HD Video Broadcasting Server

Two(2)-Channel Full HD Video Encoder (HD(H.264))

Video Broadcasting Terminal
Broadcasting Router
AddPac Total Solution

High-end Video Codec
H.264 BP/MP/HP (High Profile)

High-End Video/Audio
Processor

Excellent Voice Quality
G.711,G.726,etc

High-quality Image
Full HD Display
1Mbps to 15Mbps

APOS™Technology
Multimedia Network Protocol

Firmware Upgradeable
Architecture

IP based Network Protocol
& Video/Voice Traffic QoS

Broadband IP Networking
With One(1) Gigabit Ethernet

Powerful OSD
AP-MBMS™ EMS

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Multimedia Service

Multimedia Conferencing, and more… Our Customer Application

Video **Audio** **Voice** **Data**

EMS

OSD

APOS Internetworking Technology

Hardware Platform

Broadband IP Networking

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

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Benefits and Features

AP-VBS3000 Two(2)-Channel Full HD Video Broadcasting Server

- High Quality Images up to 1Mbps and 15Mbps
- High-performance Audio & Video Codec Support
  - H.264 High Profile Video Codec
  - Line IN : G.726, G.711 Audio Codec
- Multi-Channel HD Video Encoding (Up to 2 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-VBS3000 Two(2)-Channel Full HD Video Broadcasting Server

- **High-End Video Processors + RSIC Processor**

- **Main Chassis**
  - **Up to Two(2) Video Encoder Module Slots**
  - **Various HD Video Module**

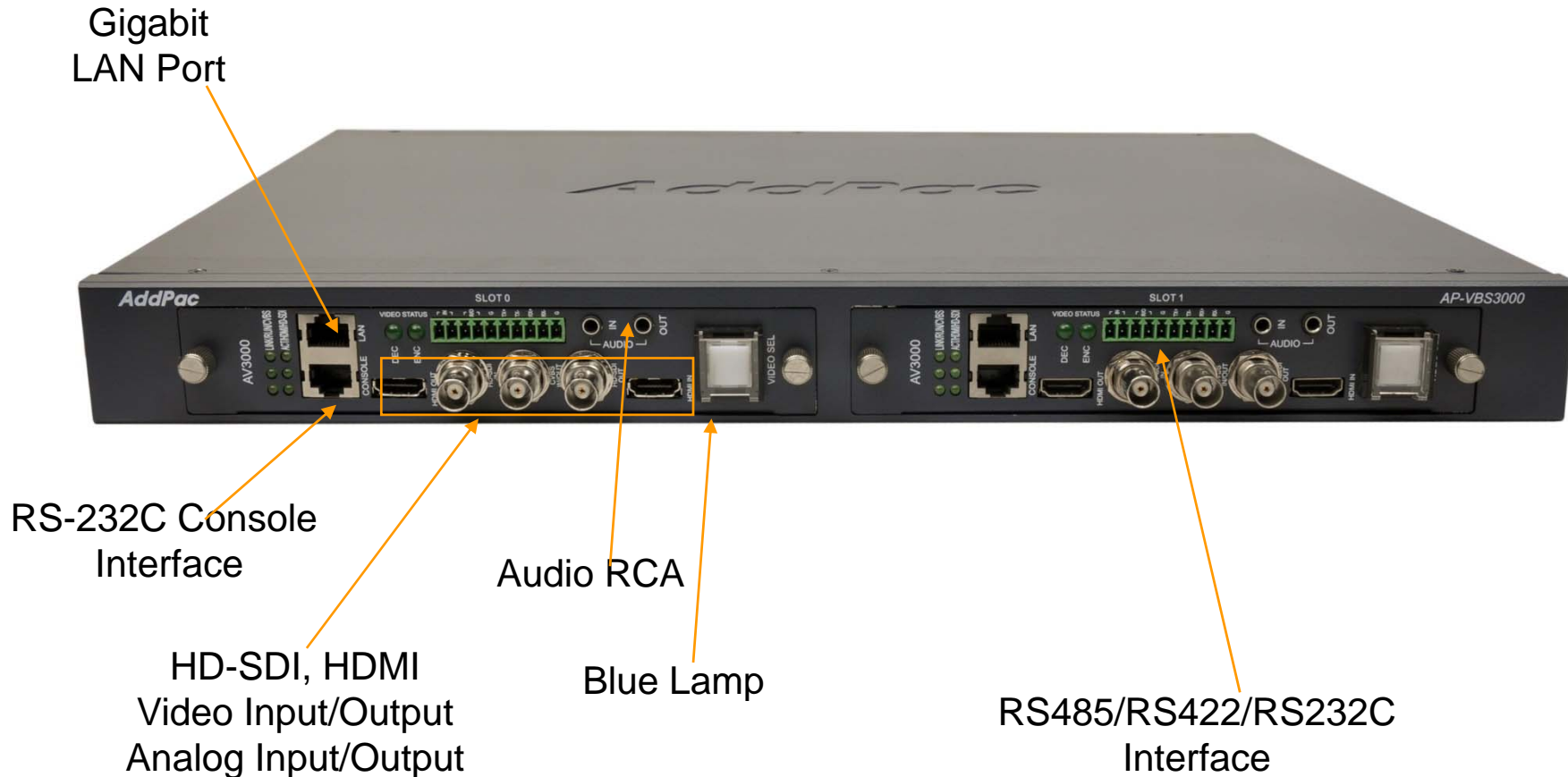|	
AV6000 Full HD Video Encoder Module (H.264 1080i, 720P Dual Encoding)	
AV5000E HD Video Encoder Module (H.264 720P, D1 Dual Encoding)	
AV3000 HD Video Encoder/Decoder Module (H.264 720P, D1 Dual Encoding)	

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Hardware Specification

AP-VBS3000 Front Side View

Gigabit
LAN Port

RS-232C Console
Interface

HD-SDI, HDMI
Video Input/Output
Analog Input/Output

Audio RCA

Blue Lamp

RS485/RS422/RS232C
Interface

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Hardware Specification

AP-VBS3000 Back Side View

AC110~220V Free Voltage Power Inlet

Power On/Off Switch

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Software Service

- **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

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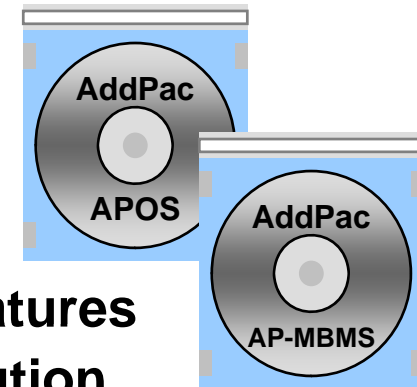
Video Service and Features

AP-VBS3000 Two(2)-Channel Full HD Video Broadcasting Server

- High-performance Video Codec Support
  - H.264 BP/MP/HP(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 Two(2) Video Channel Support

- HDMI, HD-SDI, Analog Video Interface

- RTP/UDP based Real-time Video Broadcasting Service

AP-VBS3000 Full HD Video Broadcasting Server

Application Area

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

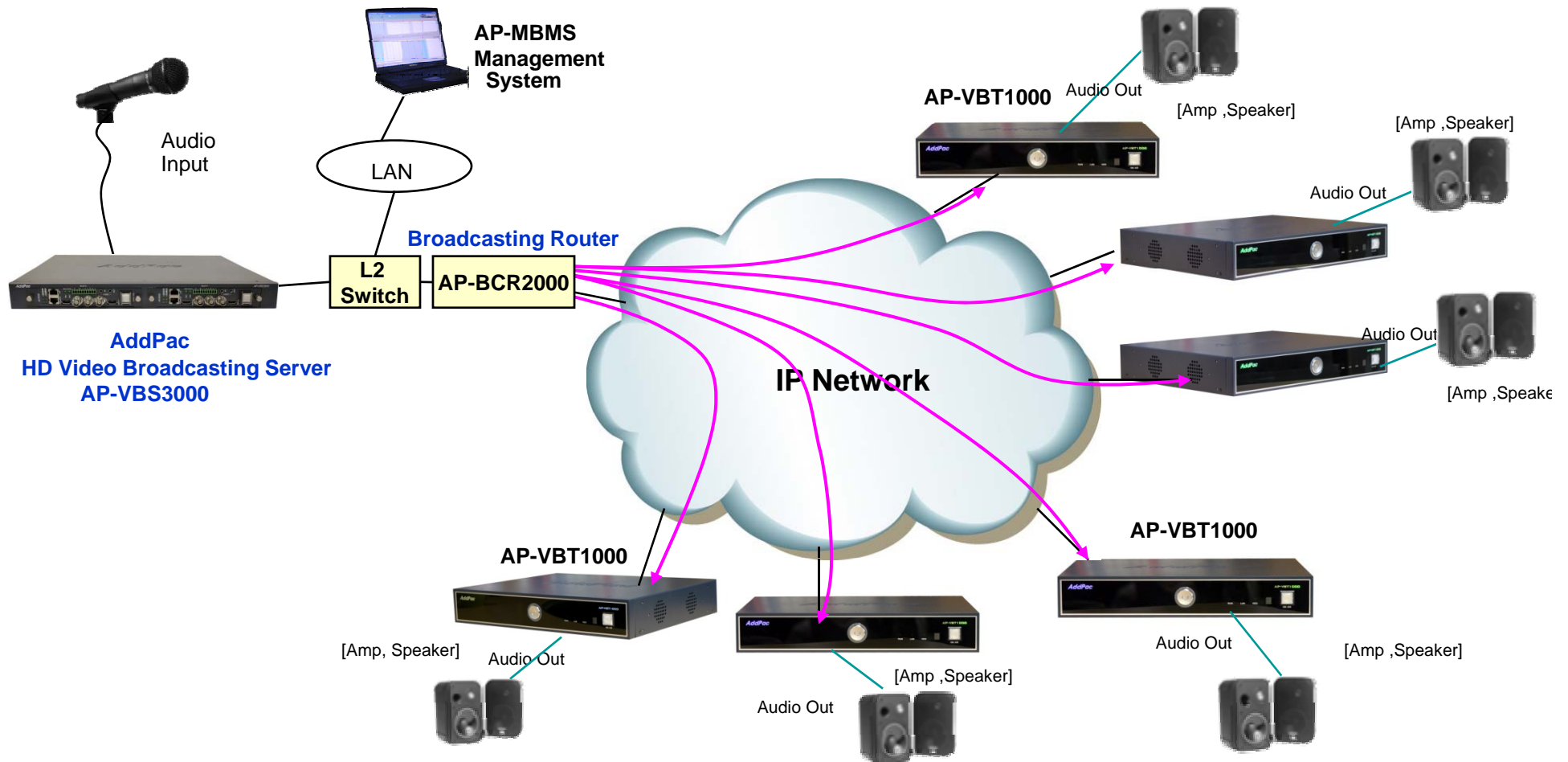
AP-VBS3000 Two(2)-Channel
HD Video Broadcasting Server

AP-VBT1000 HD Video Terminal

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Audio Real-time Broadcasting

AP-VBS3000 Two(2)-Channel Full HD Video Broadcasting Server

Audio Broadcasting Service via IP Network

AP-MBMS Management System

Audio Input

LAN

Broadcasting Router

L2 Switch

AP-BCR2000

AddPac HD Video Broadcasting Server AP-VBS3000

IP Network

AP-VBT1000 Audio Out [Amp ,Speaker]

[Amp ,Speaker]

Audio Out

Audio Out

[Amp ,Speaker]

AP-VBT1000

[Amp, Speaker] Audio Out

Audio Out

[Amp ,Speaker]

AP-VBT1000

Audio Out

[Amp ,Speaker]

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Audio/Video Real-time Broadcasting

AP-VBS3000 Two(2)-Channel Full HD Video Broadcasting Server

A/V Input

Audio and Video Broadcasting Service via
Unicasting IP Network
(Video, Audio/Voice, and more…)

AP-MBMS
Management
System

AP-VBS3000

LAN

L2
Switch

AP-BCR2000

Broadcasting
Router

IP Network

Area 2
Broadcasting Router
AP-BCR2000

IP Network

AP-VBT1000

A/V Out

A/V Out

AP-VBT1000

Area 3
Broadcasting Router
AP-BCR2000

IP Network

A/V Out

A/V Out

Area 1

AP-VBT1000

A/V Out

A/V Out

A/V Out

Area N
Broadcasting Router
AP-BCR2000

……

AP-VBT1000

A/V Out

IP Network

A/V Out

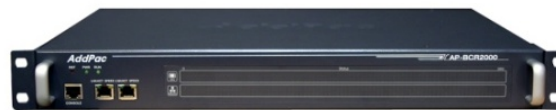A/V Out

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Full HD IP Broadcasting Solution
AP-VBS3000 Two(2)-Channel Full HD Video Broadcasting Server

- Full HD IP Video Broadcasting Server :AP-VBS3000
- Audio/Video Broadcasting Manager : AP-MBMS
- IP Broadcasting Router : AP-BCR2000
- HD Video Broadcasting Terminal : AP-VBT1000
- Network Service Diagram

AP-VBS3000

AP-BCR2000

AP-VBT1000

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HD IP Broadcasting Server Comparison

AP-VBS3000 Two(2)-Channel Full HD Video Broadcasting Server

	AP-VBS6000	AP-VBS3000
Video Codec	H.264 High Profile	H.264 High Profile
Video Resolution	1080i Full HD, 720P HD	1080i Full HD, 720P HD
Video Input Interface	Component, HD-SDI, HDMI	Component, HD-SDI, HDMI
Audio Interface	RCA Stereo Interface	RCA Stereo Interface
Channel Number	Up to Four(4) Video Input Support	Up to Two(2) Video Input Support
Video Terminal	AP-VBT1000	AP-VBT1000

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Ordering Information

- **AP-VBS3000 HD Video Broadcasting Server**
  - AP-VBS3000 HD Video Broadcasting Server Main Chassis
  - AV6000,AV5000,AV3500,AV3000 Video Module : Option
  - Network Cable Set & Power Supply Cable, etc.
- **Built-in APOS Internetworking Software for AP-VBS3000**
- **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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Sales and Marketing

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