

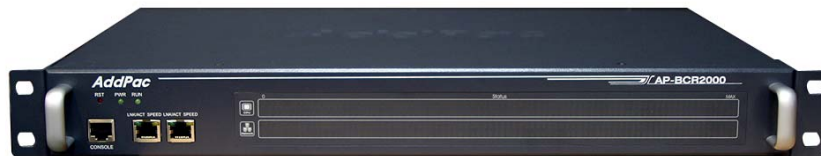


AP-BCR2000

HD Video Broadcasting Router

Next Generation IP based HD Video Broadcasting Server Solution

Preliminary Product Overview



AddPac

AddPac Technology

Sales and Marketing

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AP-BCR2000 HD Video Broadcasting Router

- Product Overview
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Product Overview

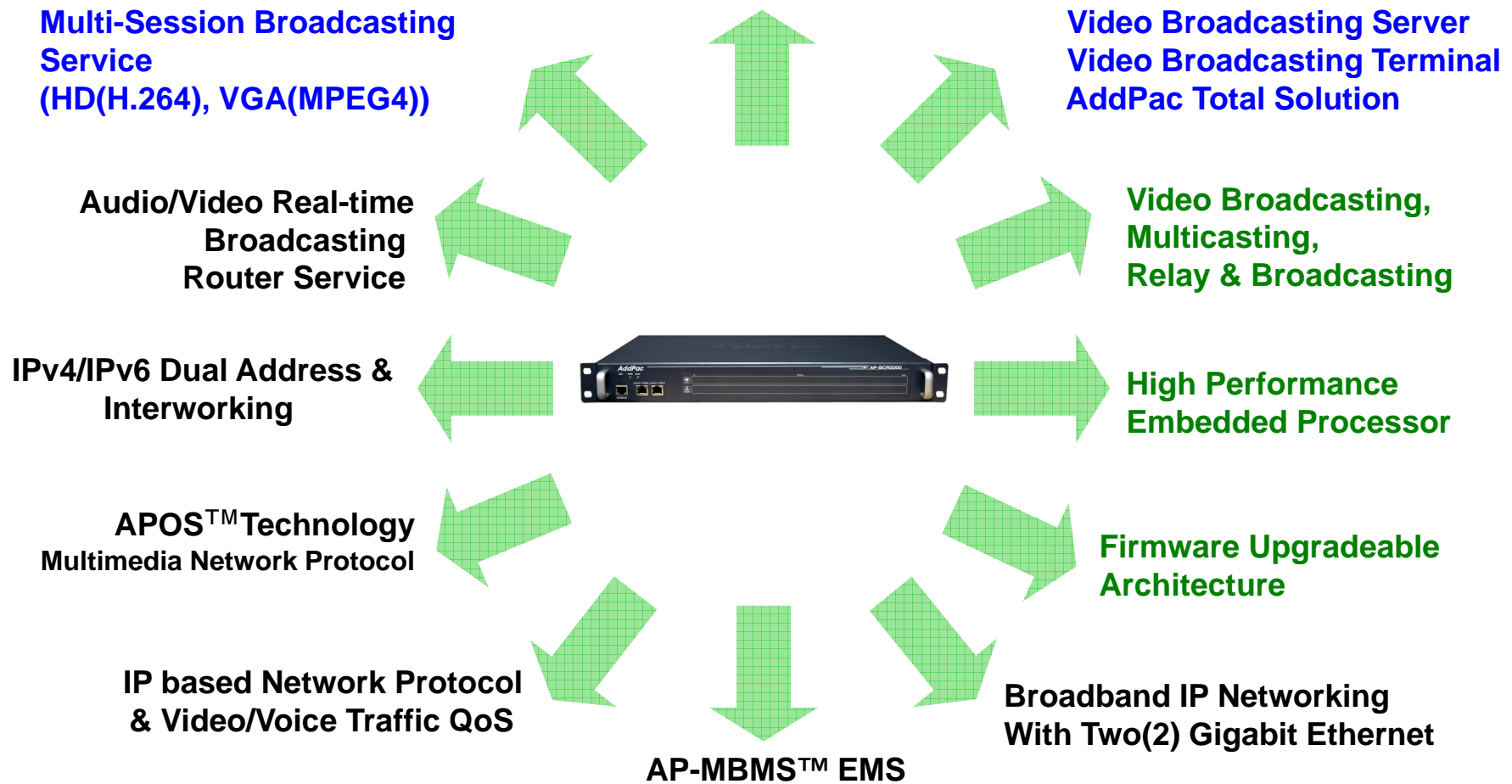
AP-BCR2000 HD Video Broadcasting Router

- IP based HD Video Broadcasting Router Solution
- High Performance Real-time Audio/Video Broadcasting Service
- Video Broadcasting, Multicasting, Relay Broadcasting
- Multi-Session Video Broadcasting Scheme
- High-performance Embedded System Architecture
- Firmware Upgradeable Architecture
- Multimedia Broadcasting Management Software (Client/Server Architecture)

Product Highlights

AP-BCR2000 HD Video Broadcasting Router

IP based HD Video Broadcasting Router



Hardware Specification

AP-BCR2000 HD Video Broadcasting Router

High-end
RISC
Processor

- **High-End RISC Microprocessor**
- **Main Chassis**
 - **Power On/Off Switch**
 - **Network Interface**
 - Two(2) 10/100/1000Mbps Gigabit Ethernet
 - One(1) RS-232C Console (RJ45)
 - **LED Display Array**
 - CPU Utilization Display
 - Network Utilization Display

Hardware Specification

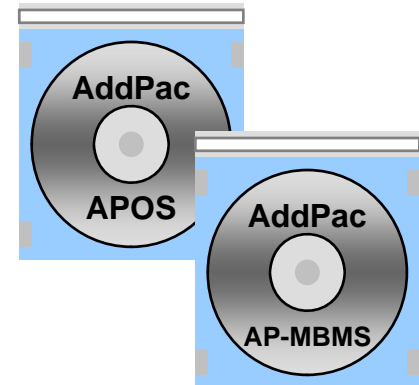
AP-BCR2000 HD Video Broadcasting Router



Software Service

AP-BCR2000 HD Video Broadcasting Router

- **Built-in AddPac APOS Internetworking Software**
 - Scalability, Functionality, and Stability Features
 - Video Traffic QoS Control
- **HD Broadcasting Router Services**
 - Broadcasting, Multicasting, Relay Broadcasting
- **Multi-Session Broadcasting Service**
 - HD (H.264 Video Codec), VGA(MPEG4 Video Codec) for Backward Compatibility
- **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



Network Protocol

AP-BCR2000 HD Video Broadcasting Router

Basic Network Protocols

- ARP, IP, IPv6, TCP, UDP, ICMP, ICMPv6, SCTP, IGMP, MLD

Routing Protocol

- IPv4 : Static
- IPv6 : Static

Service Protocol

- FTP, Telnet, TFTP, DHCP Server/Relay, SNMP Server
- CDP (Cisco Discovery Protocol)
- DNS Resolver , DDNS(nsupdate)
- Bridge
- Syslog
- IP/IPv6 policy control (QoS)
- VPDN (Virtual Private Dial-up Network : L2TP Server)

IPv4/IPv6 Address & Interworking

AP-BCR2000 HD Video Broadcasting Router

IPv4/IPv6 Interworking

- NAT/PAT for IPv4
- IP connect (formerly ip-share) and device cascade for IPv4
- IP/IP, IP/GRE tunneling
- NAT-PT
- 6to4, Autoconfig tunneling

IPv4 Address Configuration

- Fixed (Static)
- DHCP
- PPPoE

IPv6 Address Configuration

- Fixed (Static)
- EUI-64
- Autoconfig (Neighbor Advertisement and Solicitation)

Miscellaneous

AP-BCR2000 HD Video Broadcasting Router

Miscellaneous

- Cisco Style CLI
- Standard & Extended IPv4/IPv6 Access List
- Multi-level User Account Management
- IP accounting
- fsh (Embedded file system shell)
- STUN Client

SNMP MIBs

AP-BCR2000 HD Video Broadcasting Router

SNMP MIBs

- MIB-II
- RMON MIBs (Statistics, History, Alarm, Hosts Group)
- RFC2465 Management Information Base for IP Version 6: Textual Conventions and General Group
- RFC2466 Management Information Base for IP Version 6: ICMPv6 Group
- RFC2452 IP Version 6 Management Information Base for the Transmission Control Protocol
- RFC2454 IP Version 6 Management Information Base for the User Datagram Protocol
- AddPac Enterprise MIBs
- etc

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Application Area

- HD Video Broadcasting
- HD Video Multicasting
- HD Video Relay Broadcasting

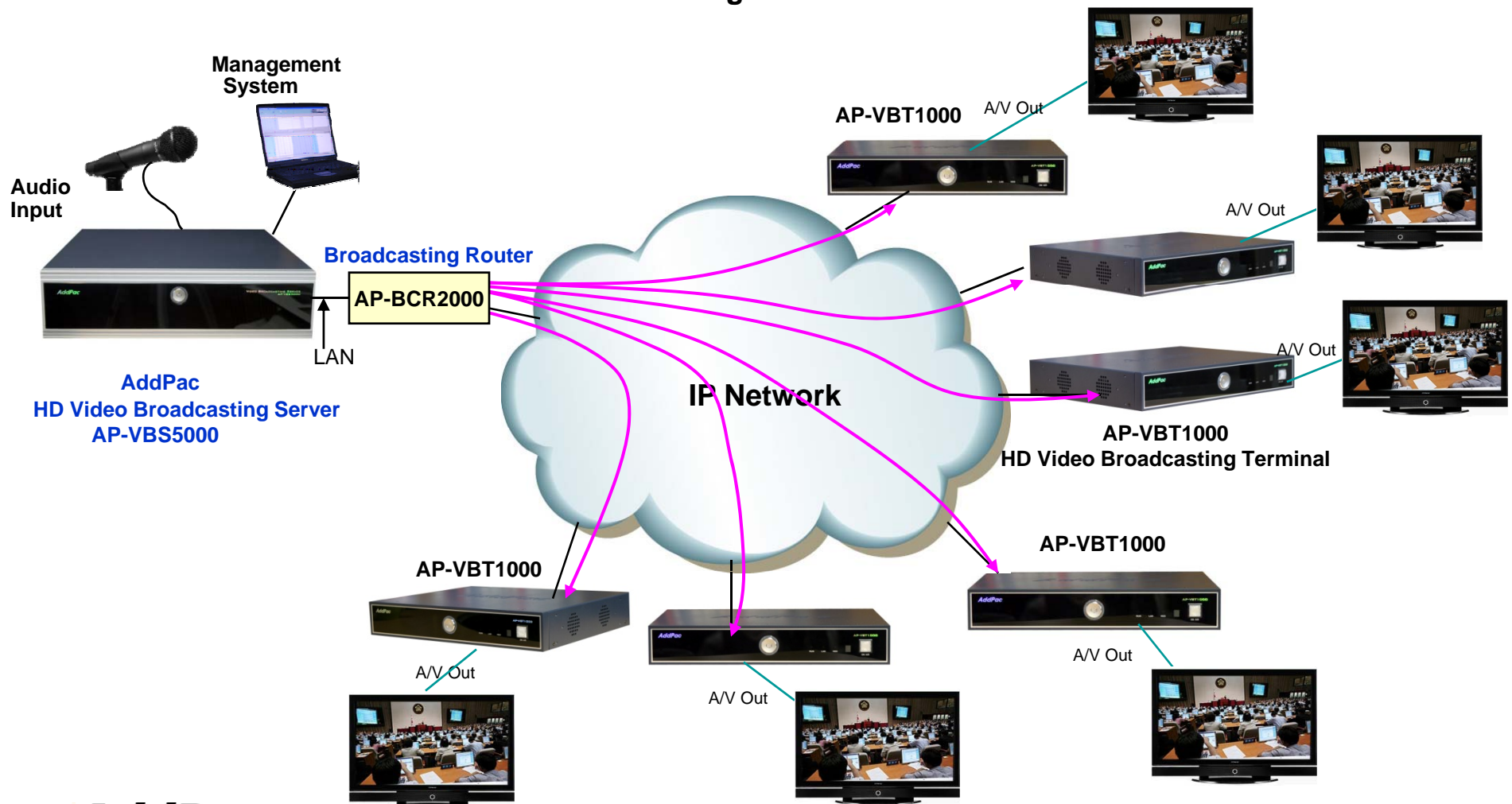


AP-BCR2000

HD Video Broadcasting

AP-BCR2000 HD Video Broadcasting Router

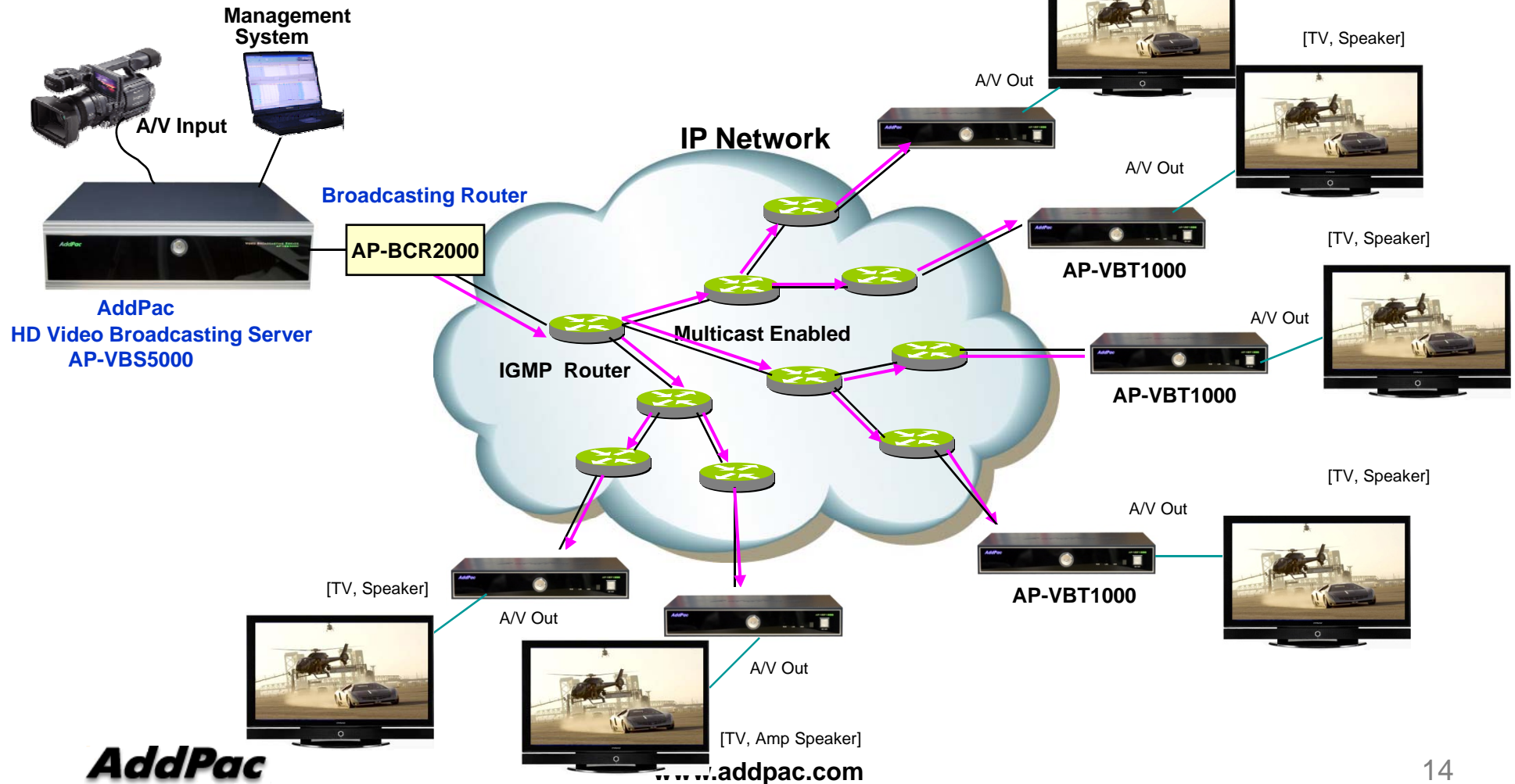
Audio Broadcasting Service via IP Network



Multicasting Service

AP-BCR2000 HD Video Broadcasting Router

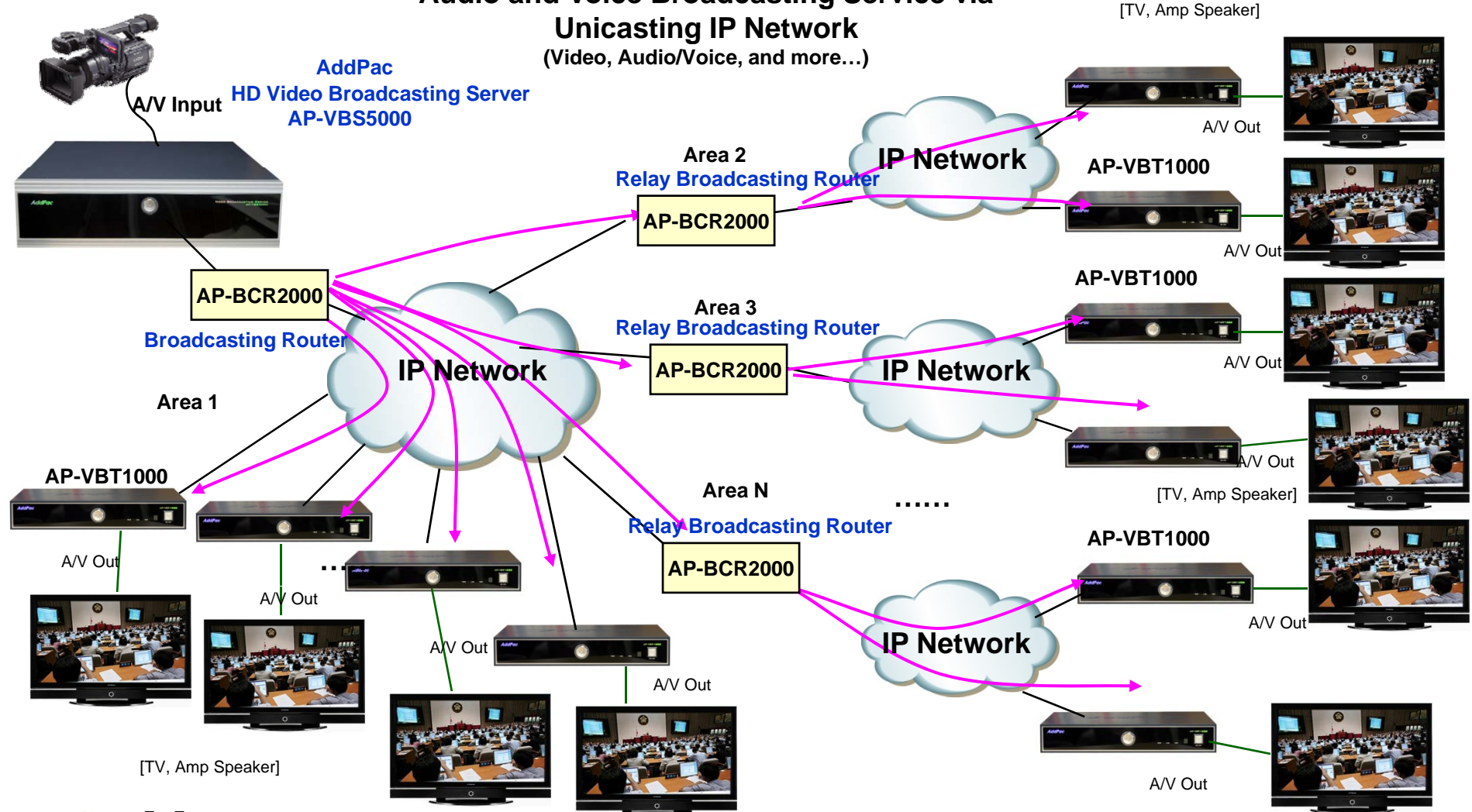
Audio and Video Broadcasting Service via Multicasting IP Network (Video, Audio/Voice, and more...)



Relay & Broadcasting Service Scheme

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



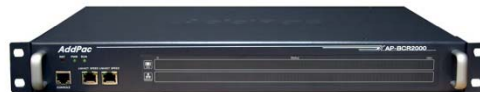
HD IP Broadcasting Solution

AP-BCR2000 HD Video Broadcasting Router

- HD Video Broadcasting Server : AP-VBS5000
- 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-VBS5000



AP-BCR2000



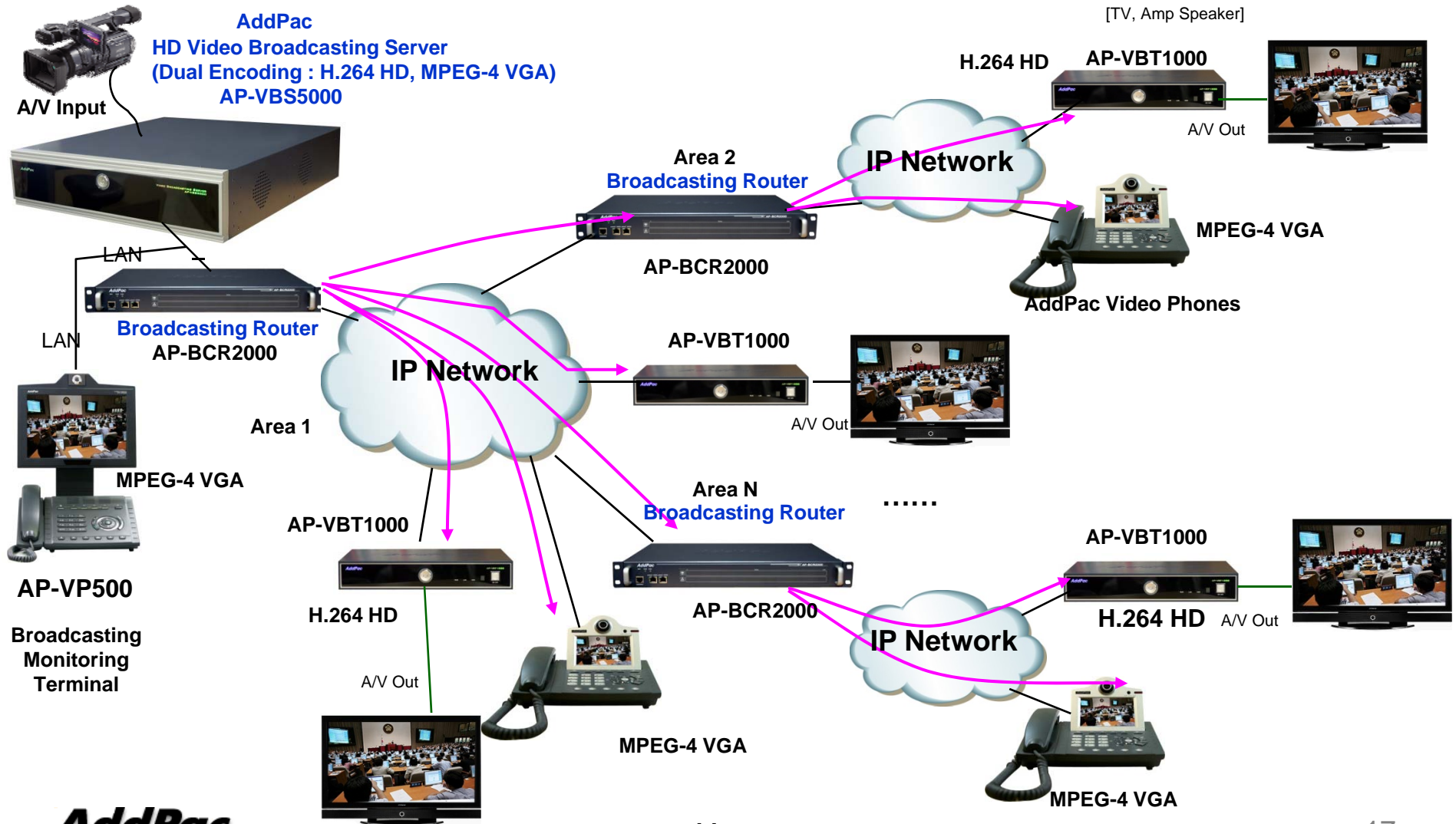
AP-VBT1000



AP-VP500

HD IP Broadcasting Component Diagram

AP-BCR2000 HD Video Broadcasting Router



AddPac

www.addpac.com

Ordering Information

- **AP-BCR2000 HD Video Broadcasting Router**
 - AP-BCR2000 HD Video Broadcasting Router Main Body
 - High-performance RISC Microprocessor
 - 2-port 10/100/1000Mbps Gigabit Ethernet and 1-port RS-232C Console
 - Including Network Cable Set & Power Supply Cable, etc.
- **Built-in APOS Internetworking Software for AP-BCR2000**
- **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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