



AP-VBT1000

HD Video Broadcasting Terminal

Next Generation IP based HD Video Broadcasting Terminal Solution

Preliminary Product Overview



AddPac

AddPac Technology

2008, Sales and Marketing

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Product Overview

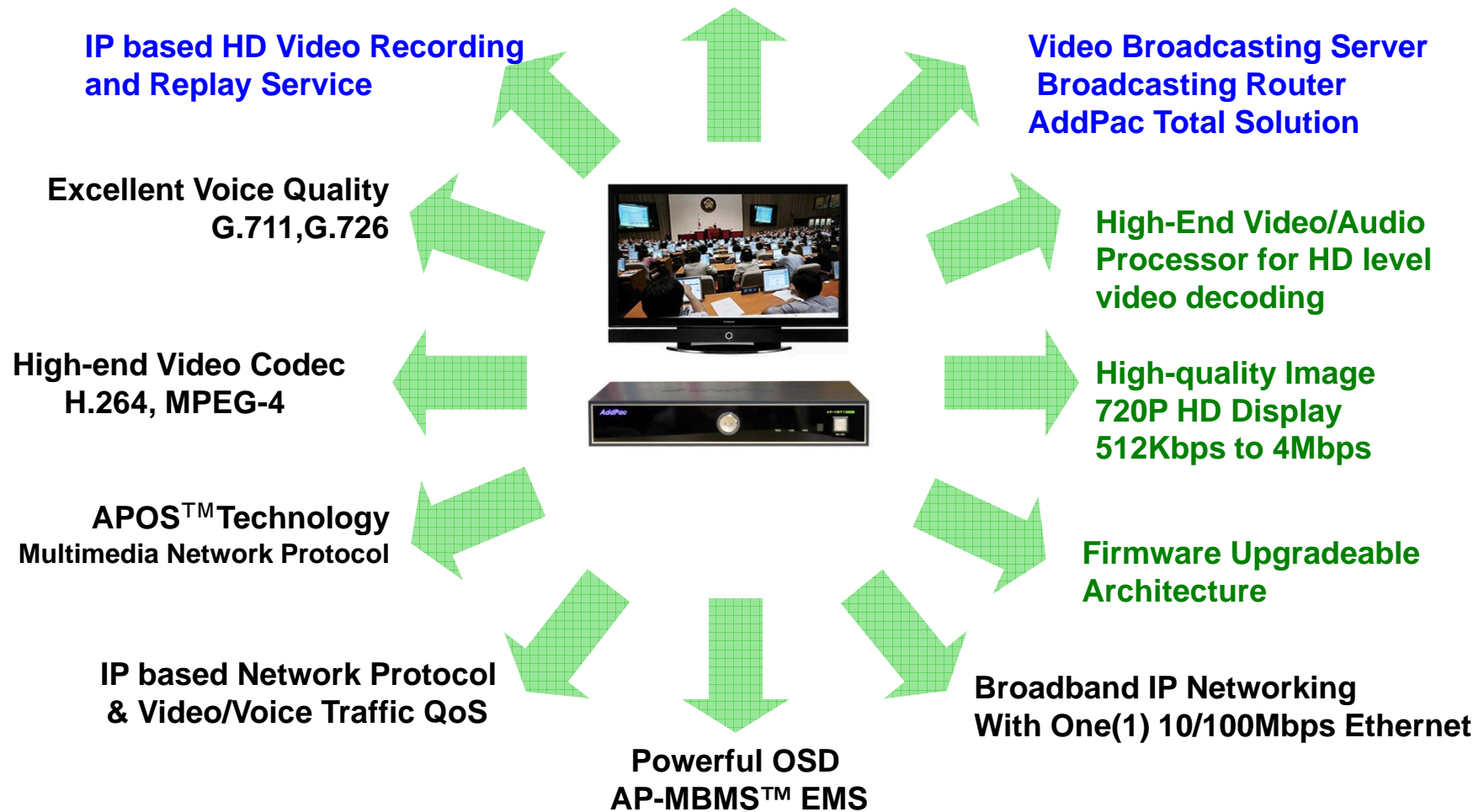
AP-VBT1000 HD Video Broadcasting Terminal

- IP based Audio/Video Broadcasting Solution
- Video on Demand Service Solution
- IP based Video Recording and Video Replay 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-VBT1000 HD Video Broadcasting Terminal

IP based HD Video Broadcasting Terminal

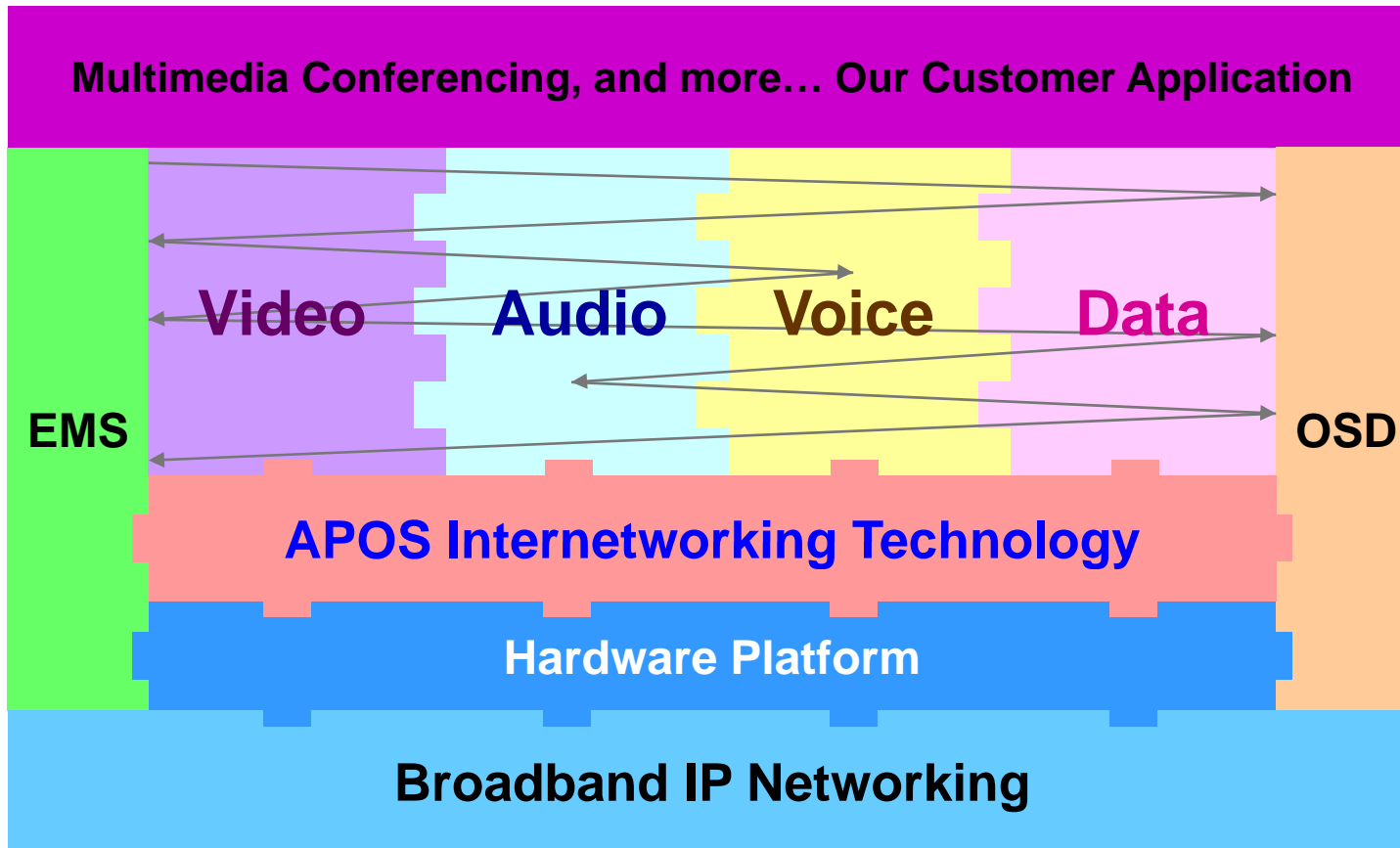


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Multimedia Service

AP-VBT1000 HD Video Broadcasting Terminal



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

Benefits and Features

AP-VBT1000 HD Video Broadcasting Terminal

- **High Quality Images up to 64kbps and 4Mbps**
- **High-performance Audio & Video Codec Support**
 - H.264, MPEG-4 Video Codec
 - Line IN/OUT : G.726, G.711, etc, Audio Codec
- **Up to 30 frame/sec, 1280x720 HD Resolution**
- **RTP based Real-Time HD Broadcasting Service**
- HD Video Recording and Replay Service using Local HDD (Option)
- **IP based Network Protocol Support**
- **Video Application**
 - Audio & Video Broadcasting Solution
 - Video on Demand Service Solution

Hardware Specification

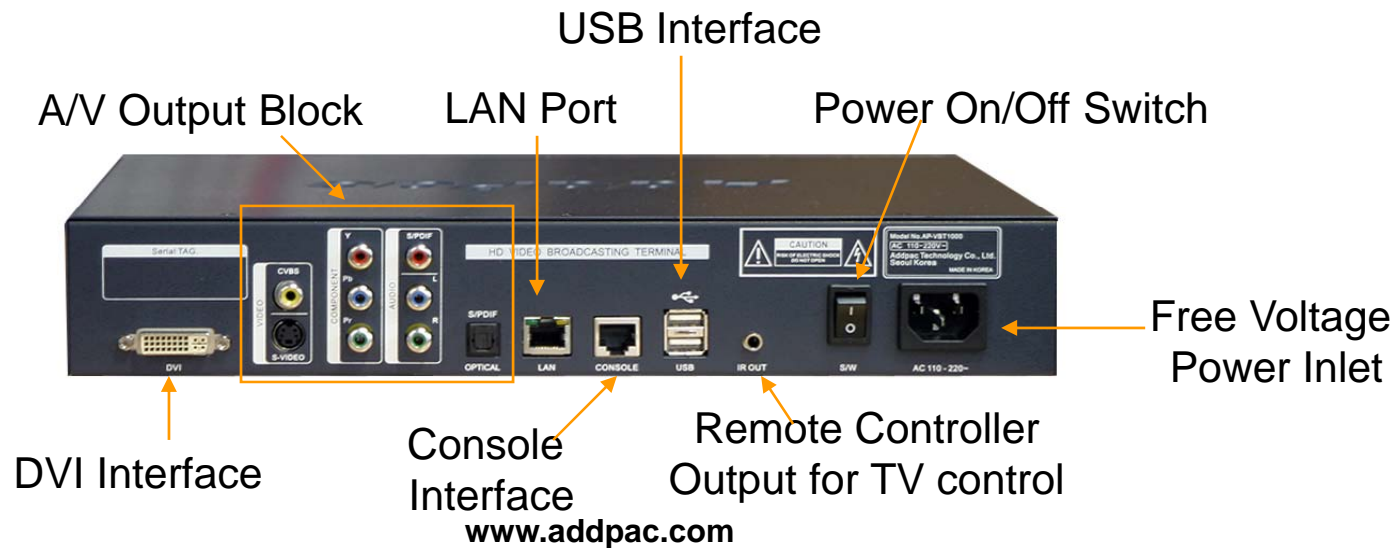
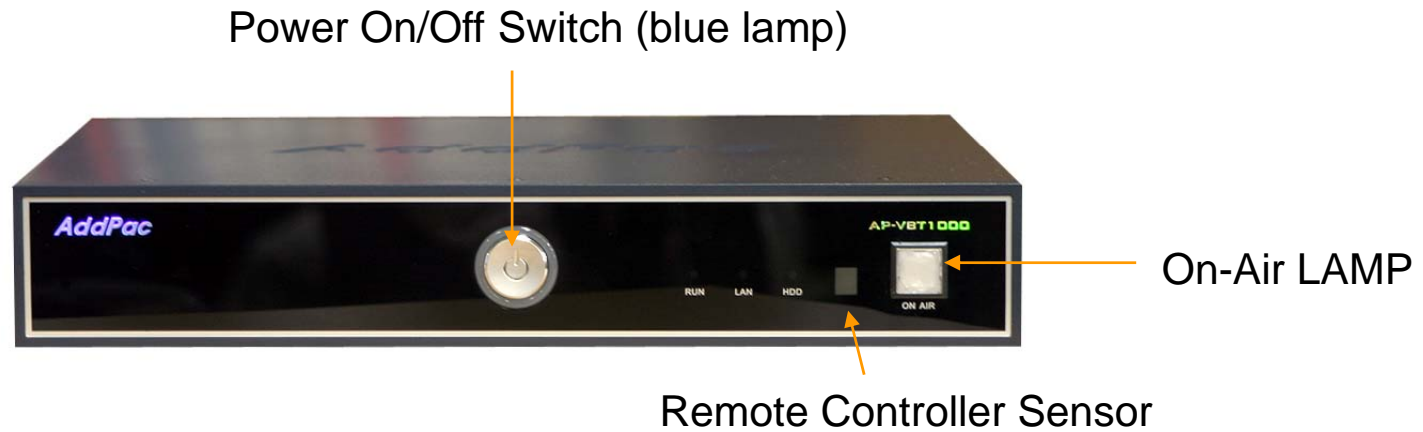
AP-VBT1000 HD Video Broadcasting Terminal

High-end
Video
Processor

- **High-End Audio/Video Processor**
- **Main Chassis**
 - **Power On/Off Switch (Front Panel)**
 - **Remote Controller Sensor (Front Panel)**
 - **On-AIR Indication LAMP (Front Panel)**
 - **Network Interface**
 - Two(2) 10/100Mbps Fast Ethernet
 - Two(2) USB 2.0 Interface
 - One(1) RS-232C Console (RJ45)
 - IR-Out Interface for External TV Control
 - **HDD Interface for Video Recording and Replay : AP-VBT1000B**
 - Optional 2.5 Inch Internal Hard Disk
 - **Powerful Video Interface**
 - S-Video, Component Output, DVI Interface
 - **High quality Audio and Voice Interface**
 - Stereo Audio Output Connector
 - S/PDIF RCA Interface
 - S/PDIF Optical Interface

Hardware Specification

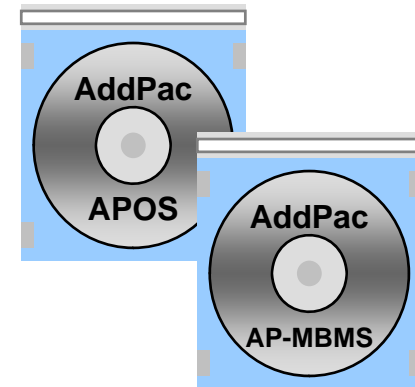
AP-VBT1000 HD Video Broadcasting Terminal



Software Service

AP-VBT1000 HD Video Broadcasting Terminal

- **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
- **Firmware Upgradeable DSP Architecture**
- **OSD (On-screen Display) Function Support**
- **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-VBT1000 HD Video Broadcasting Terminal

- **High-performance Video Codec Support**
 - H.264, MPEG-4
- **Powerful Image Resolution Support**
 - VGA(640x480), 720P(1280x720)
- **Up to 30fps at HD-Resolution (H.264)**
- **64Kbps to 4Mbps Operating Video Traffic Bandwidth**
- **Video Buffer Control for Video Traffic QoS**
 - Ensuring Optimized Quality
 - Frame Rate with Limited Bandwidth
- **RTP/UDP based Real-time Video Broadcasting Service**
- **Local HDD File Browsing and Video Replay Service**

AP-VBT1000 HD Video Broadcasting Terminal

Application Area

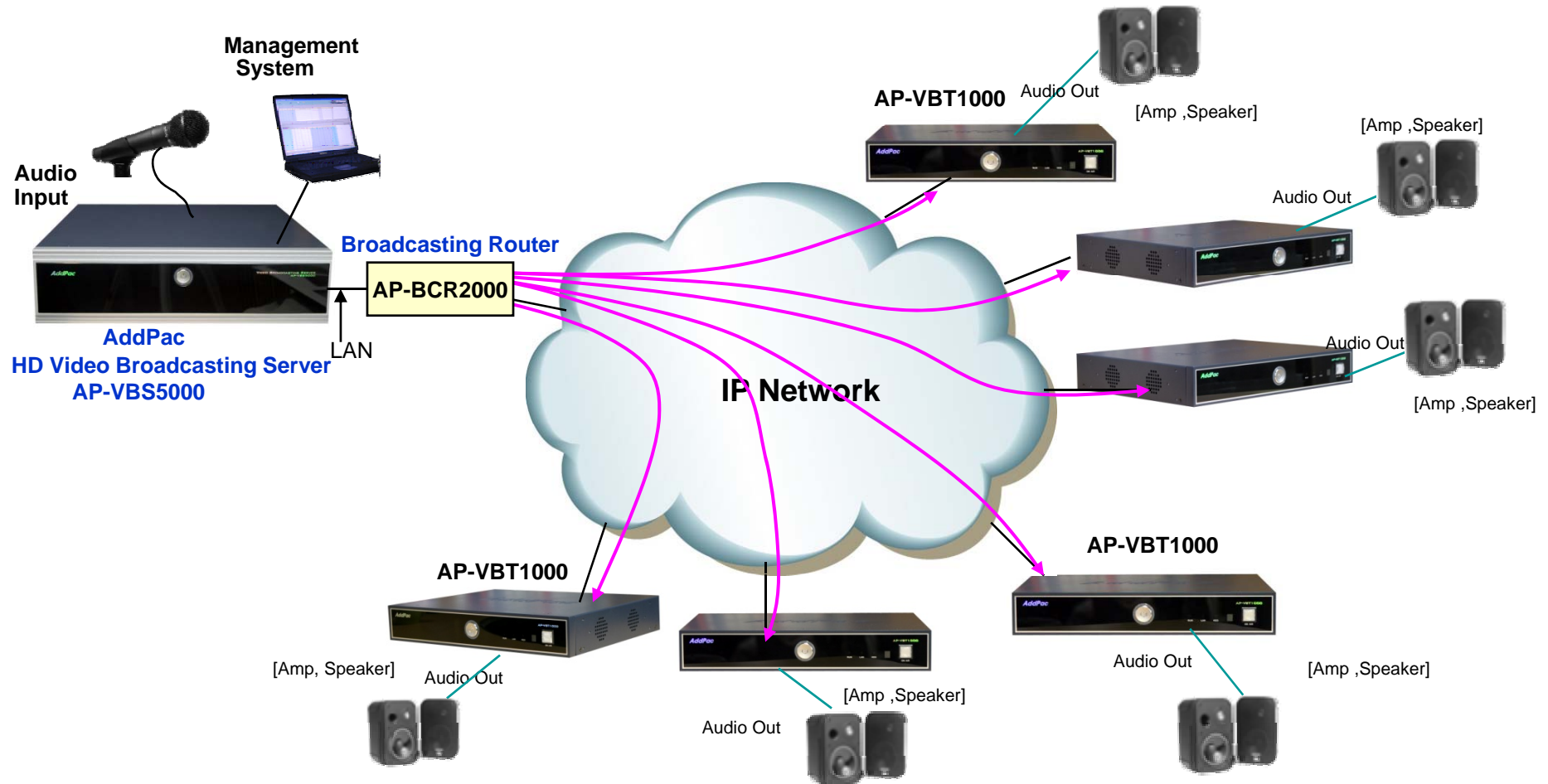
- Audio Real-time Broadcasting
- Audio/Video Real-time Broadcasting
- Video on Demand Application
- Local File Browsing and Video Replay (Option : Model B)



Audio Real-time Broadcasting

AP-VBT1000 HD Video Broadcasting Terminal

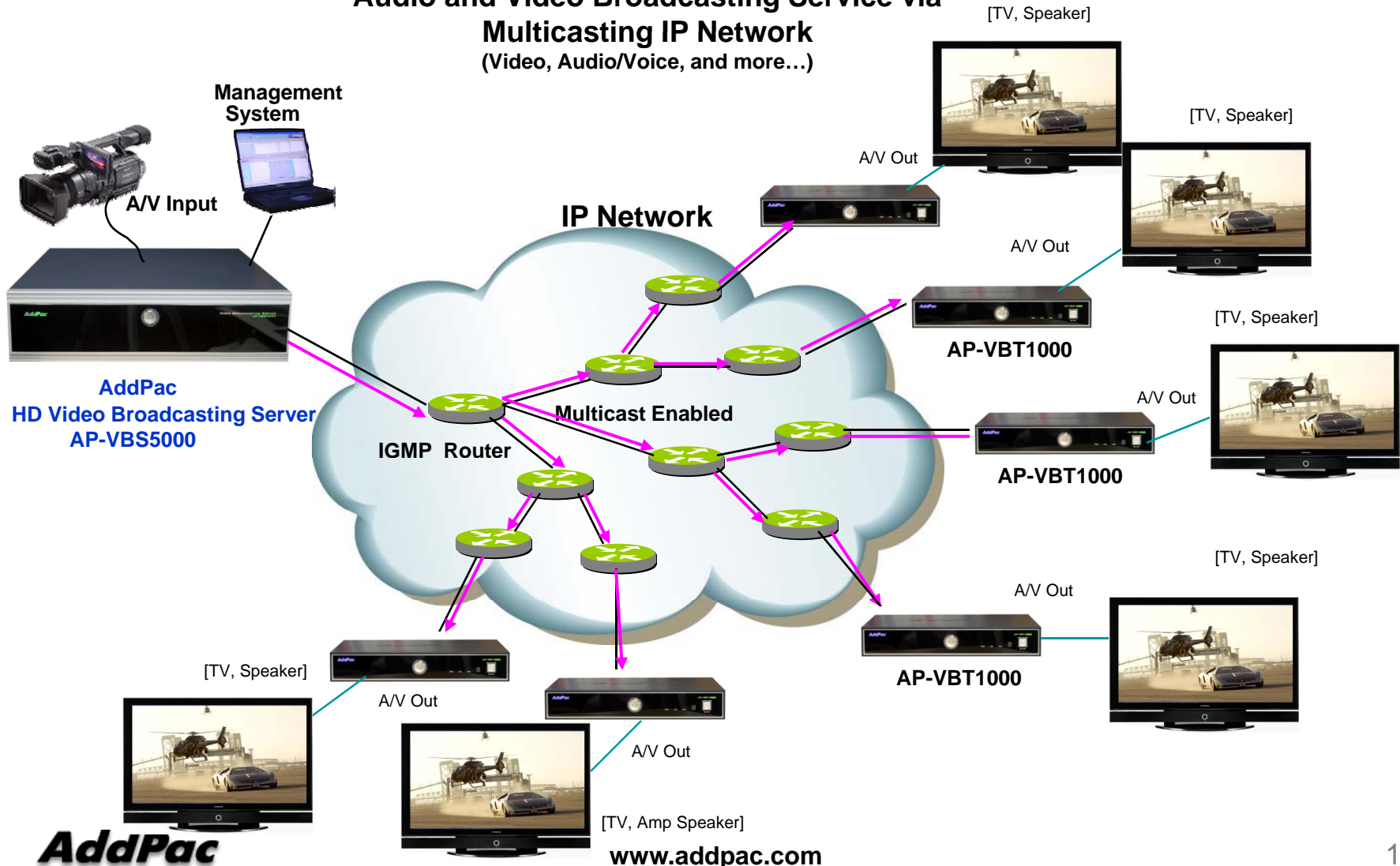
Audio Broadcasting Service via IP Network



Audio/Video Real-time Broadcasting

AP-VBT1000 HD Video Broadcasting Terminal

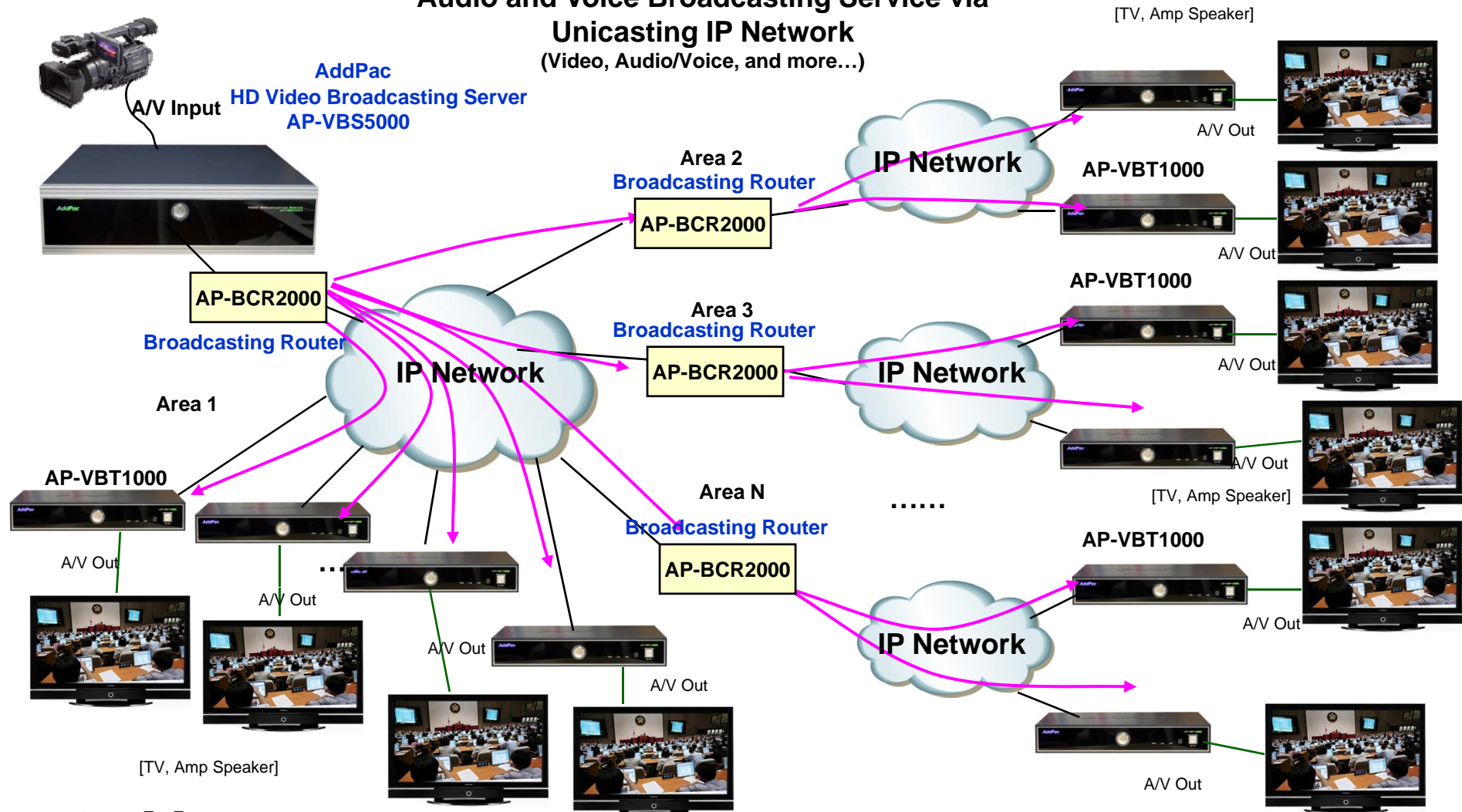
Audio and Video Broadcasting Service via Multicasting IP Network (Video, Audio/Voice, and more...)



Audio/Video Real-time Broadcasting

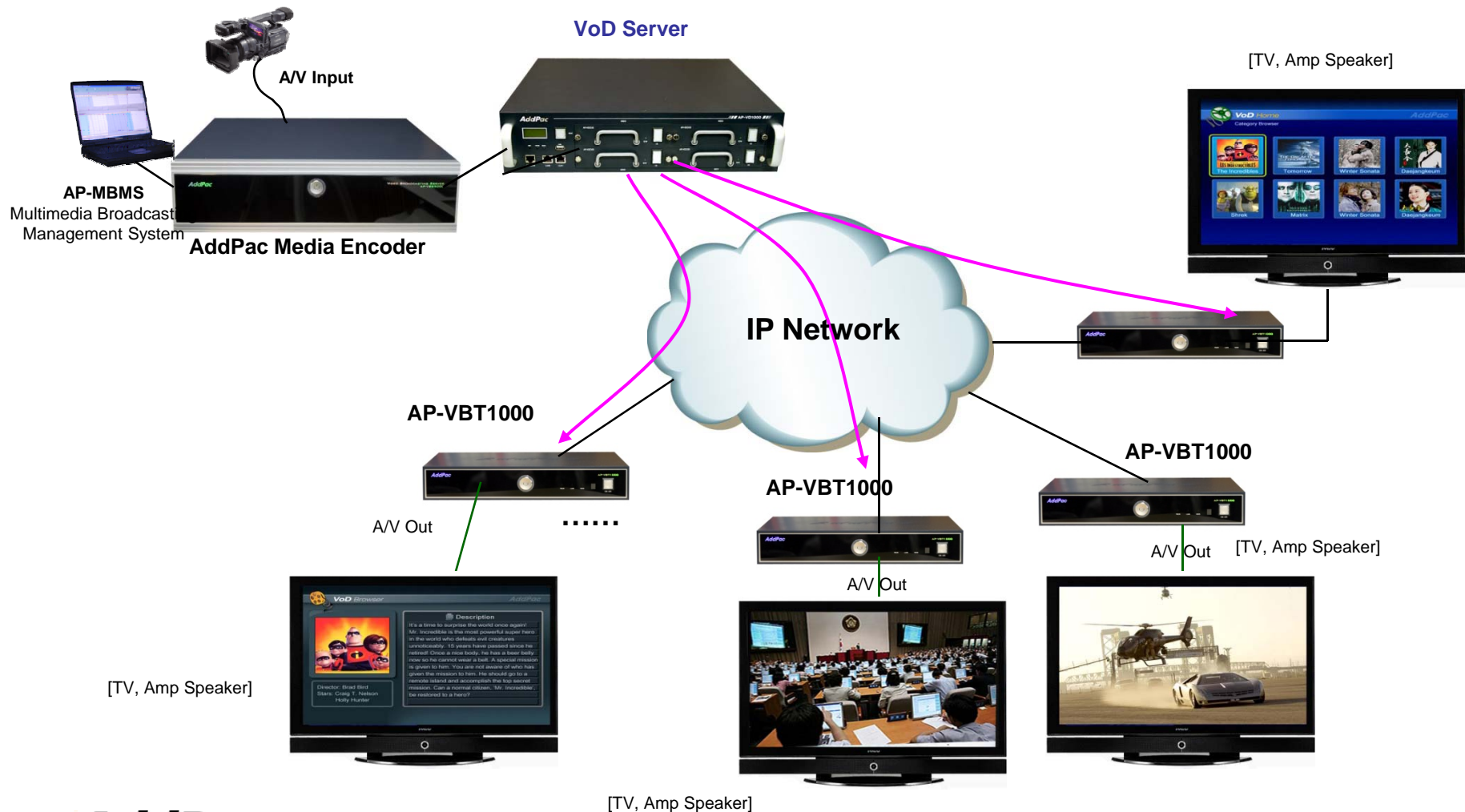
AP-VBT1000 HD Video Broadcasting Terminal

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



Video on Demand Service

AP-VBT1000 HD Video Broadcasting Terminal



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[TV, Amp Speaker]

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Local File Browsing and Video Replay

AP-VBT1000 HD Video Broadcasting Terminal (AP-VBT1000B Model)

File Browsing



Video Replay

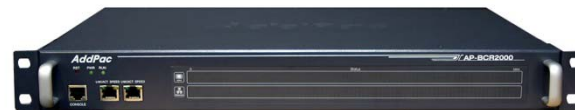


HD IP Broadcasting Solution

- 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

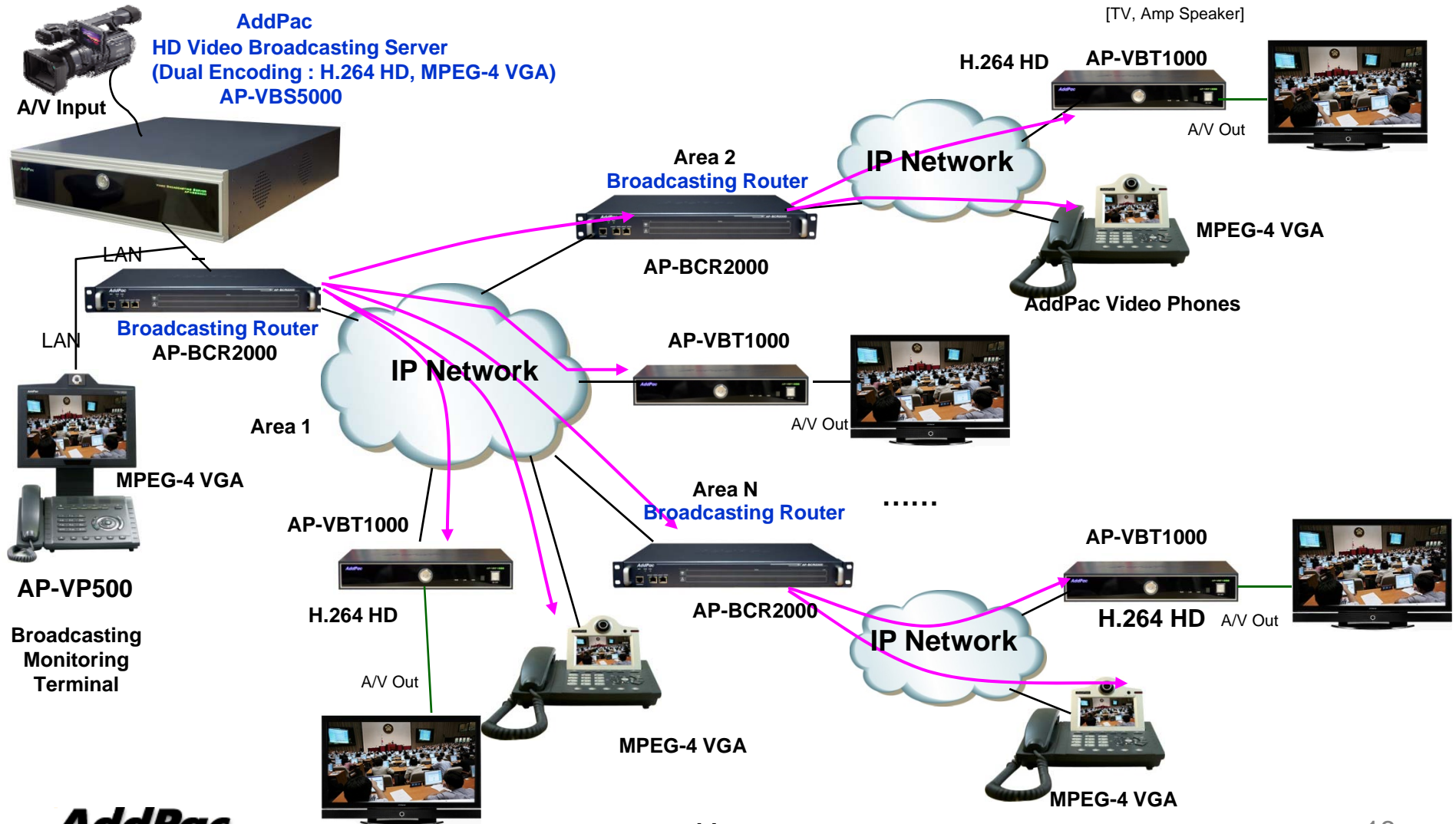


AP-VBT1000



AP-VP500

HD IP Broadcasting Component Diagram



Ordering Information

- **AP-VBT1000 HD Video Broadcasting Terminal Hardware**
 - AP-VBT1000 Video Broadcasting Terminal Main Body
 - High-performance Video Processor Architecture
 - 1-port 10/100Mbps Fast Ethernet and 1-port RS-232C Console
 - Two(2) USB Ports
 - S-Video, Component, DVI Video Output Interface
 - S/PDIF Audio Port (RCA, Optical), Stereo RCA Audio Output Interface
 - Including Network Cable Set & Power Supply Cable, Remote Controller, etc.
 - Option : 2.5 inch HDD (Model B)
- **Built-in APOS Internetworking Software for AP-VBT1000**
- **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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