AP-VBT1000A

HD Video Broadcasting Terminal

Next Generation IP based HD Video Broadcasting Terminal Solution

New Models for Extra Audio Broadcasting Extension

Preliminary Product Overview

(Without notice, following described technical spec. & Body Color (CASE) can be changed)

AddPac Technology

Sales and Marketing

www.addpac.com

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Product Overview

AP-VBT1000A HD Video Broadcasting Terminal

- IP based Audio/Video Broadcasting Solution
- Video on Demand Service Solution
- IP based Video Recording and Video Replay Solution
- Additional Audio Output Port for Emergency Audio Broadcasting
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Product Highlights

AP-VBT1000A HD Video Broadcasting Terminal

IP based HD Video Broadcasting Terminal

IP based HD Video Recording and Replay Service

Video Broadcasting Server
Broadcasting Router
AddPac Total Solution

Excellent Voice Quality
G.711,G.726

High-End Video/Audio Processor for HD level video decoding

High-end Video Codec
H.264, MPEG-4

High-quality Image
720P HD Display
512Kbps to 4Mbps

APOS™Technology
Multimedia Network Protocol

Emergency Audio Broadcasting Port Support

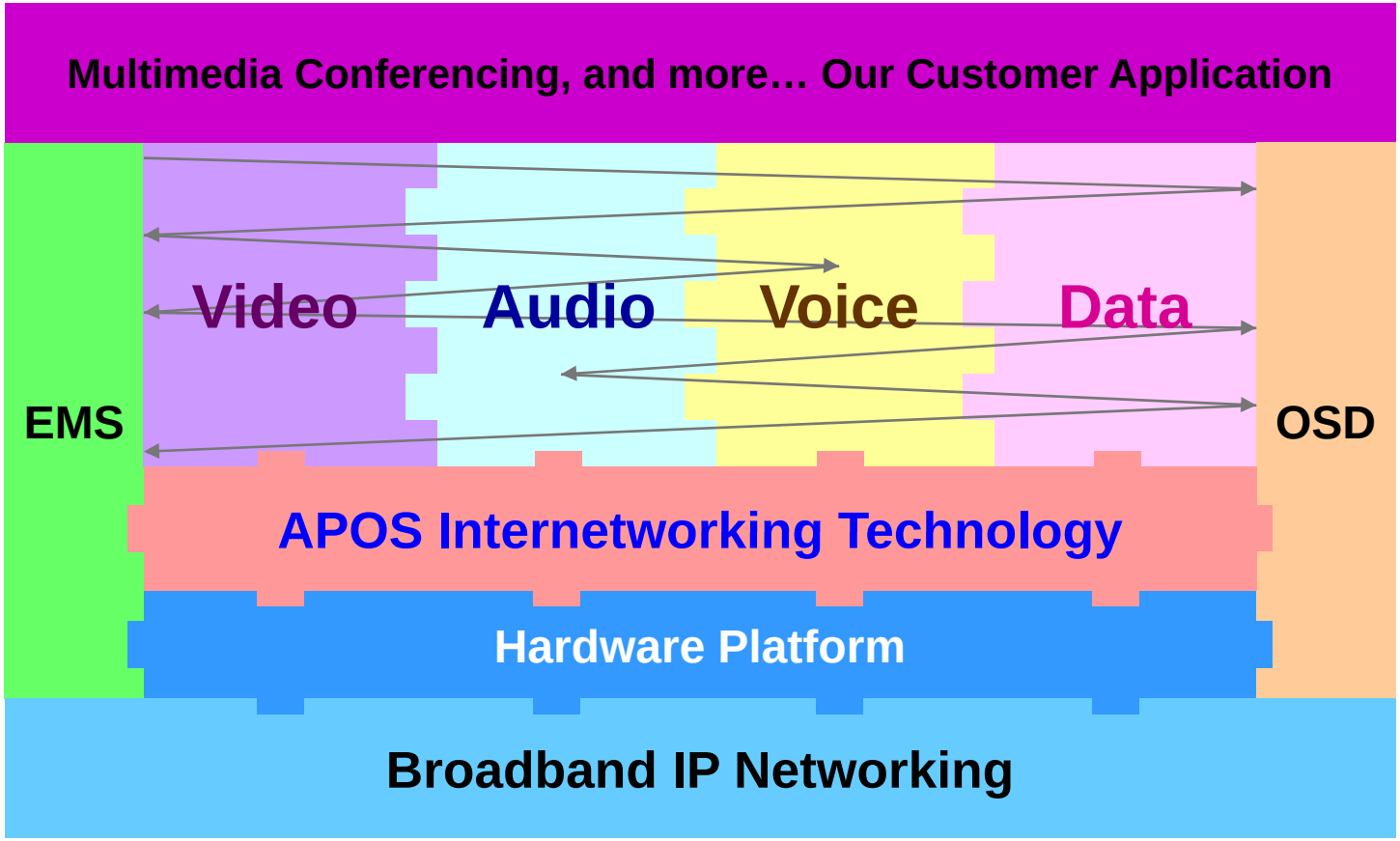
IP based Network Protocol & Video/Voice Traffic QoS

Broadband IP Networking With One(1) 10/100Mbps Ethernet

Powerful OSD
AP-MBMS™ EMS

Multimedia Service

AP-VBT1000A HD Video Broadcasting Terminal



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

Benefits and Features

AP-VBT1000A 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**
- **Emergency Audio Broadcasting Function Support**
- **Video Application**
  - Audio & Video Broadcasting Solution
  - Video on Demand Service Solution

Hardware Specification

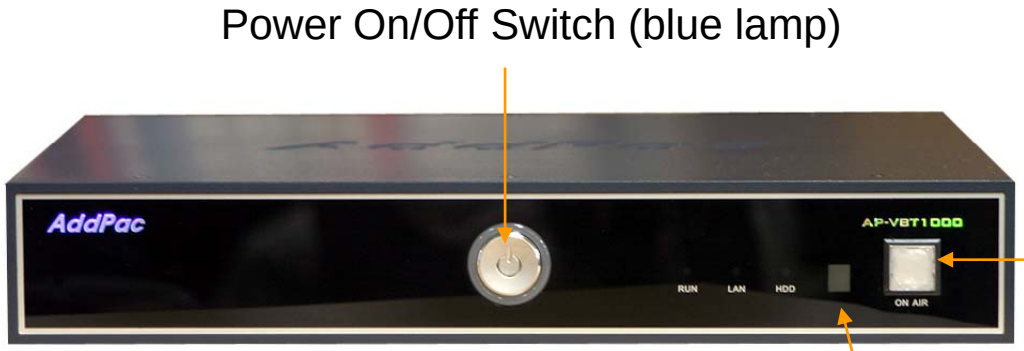
AP-VBT1000A HD Video Broadcasting Terminal

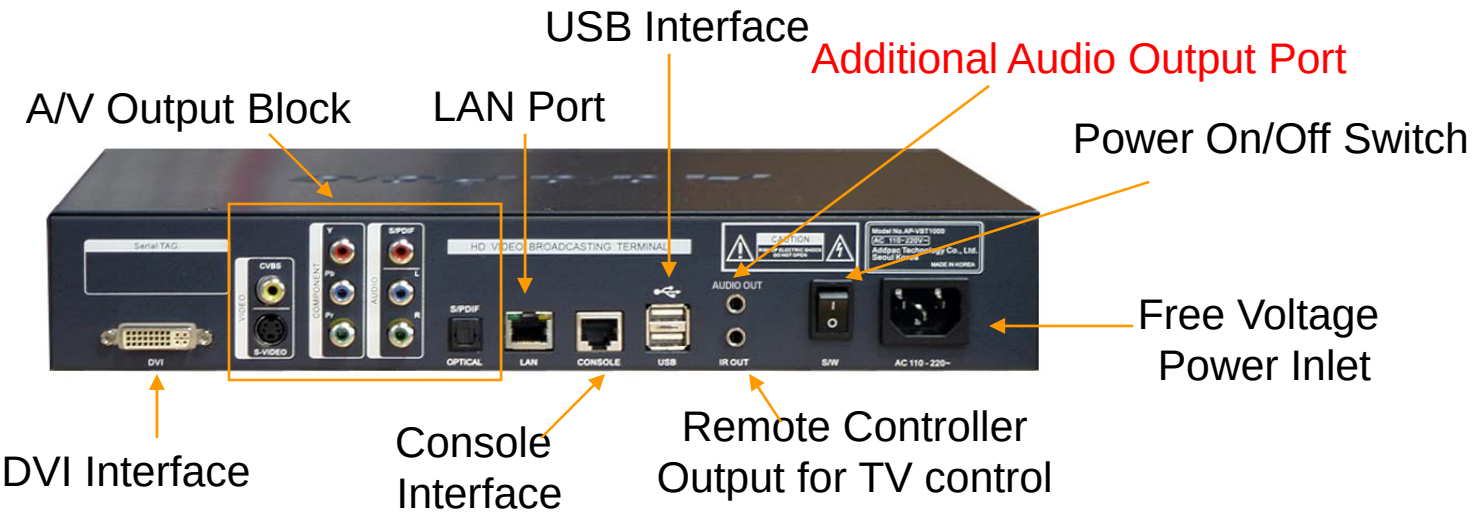
High-end Video Processor

- **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
  - **Powerful Video Interface**
    - S-Video, Component Output, DVI Interface
  - **High quality Audio and Voice Interface**
    - Stereo Audio Output Connector
    - S/PDIF RCA Interface, S/PIF Optical Interface
  - **High quality Audio and Voice Interface for Emergency Audio Broadcasting**
    - Stereo Audio Output Connector

Hardware Specification

AP-VBT1000A HD Video Broadcasting Terminal

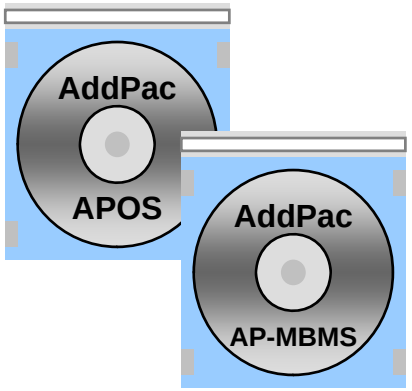




Software Service

AP-VBT1000A 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-VBT1000A 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-VBT1000A HD Video Broadcasting Terminal

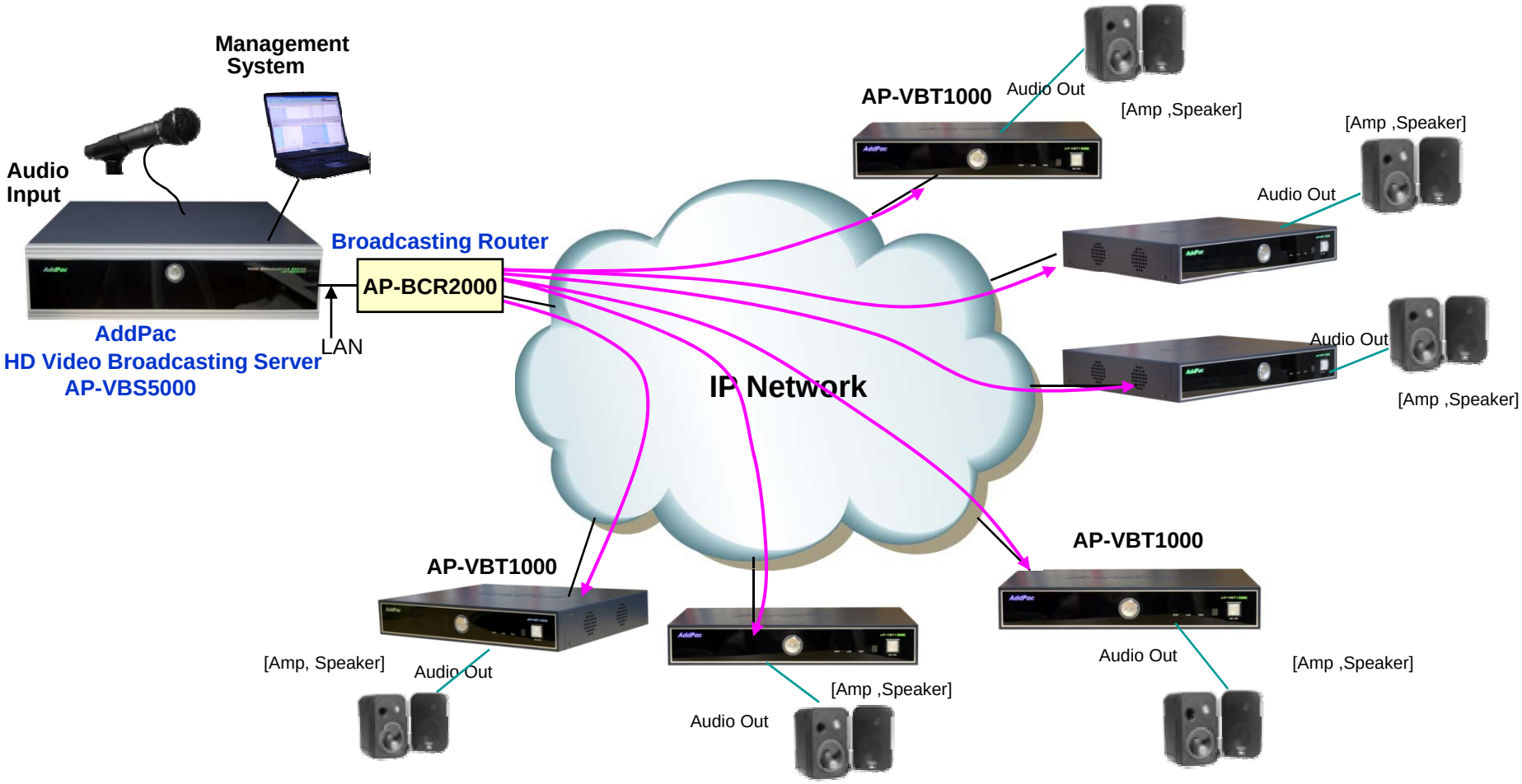
Application Area

- Audio Real-time Broadcasting
- Audio/Video Real-time Broadcasting
- Audio/Video Real-time Broadcasting + Emergency Audio broadcasting
- Video on Demand Application

Audio Real-time Broadcasting

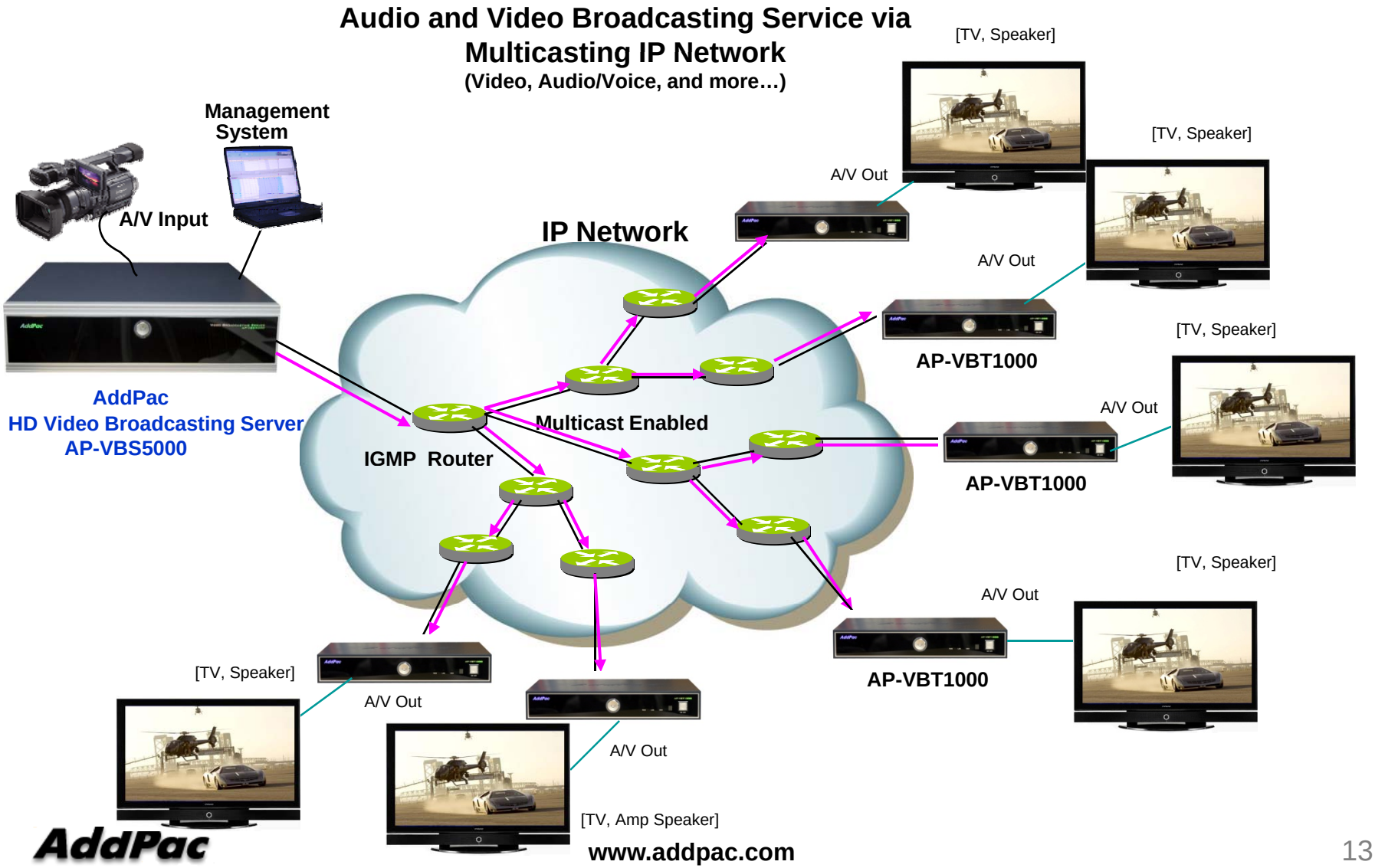
AP-VBT1000A HD Video Broadcasting Terminal

Audio Broadcasting Service via IP Network



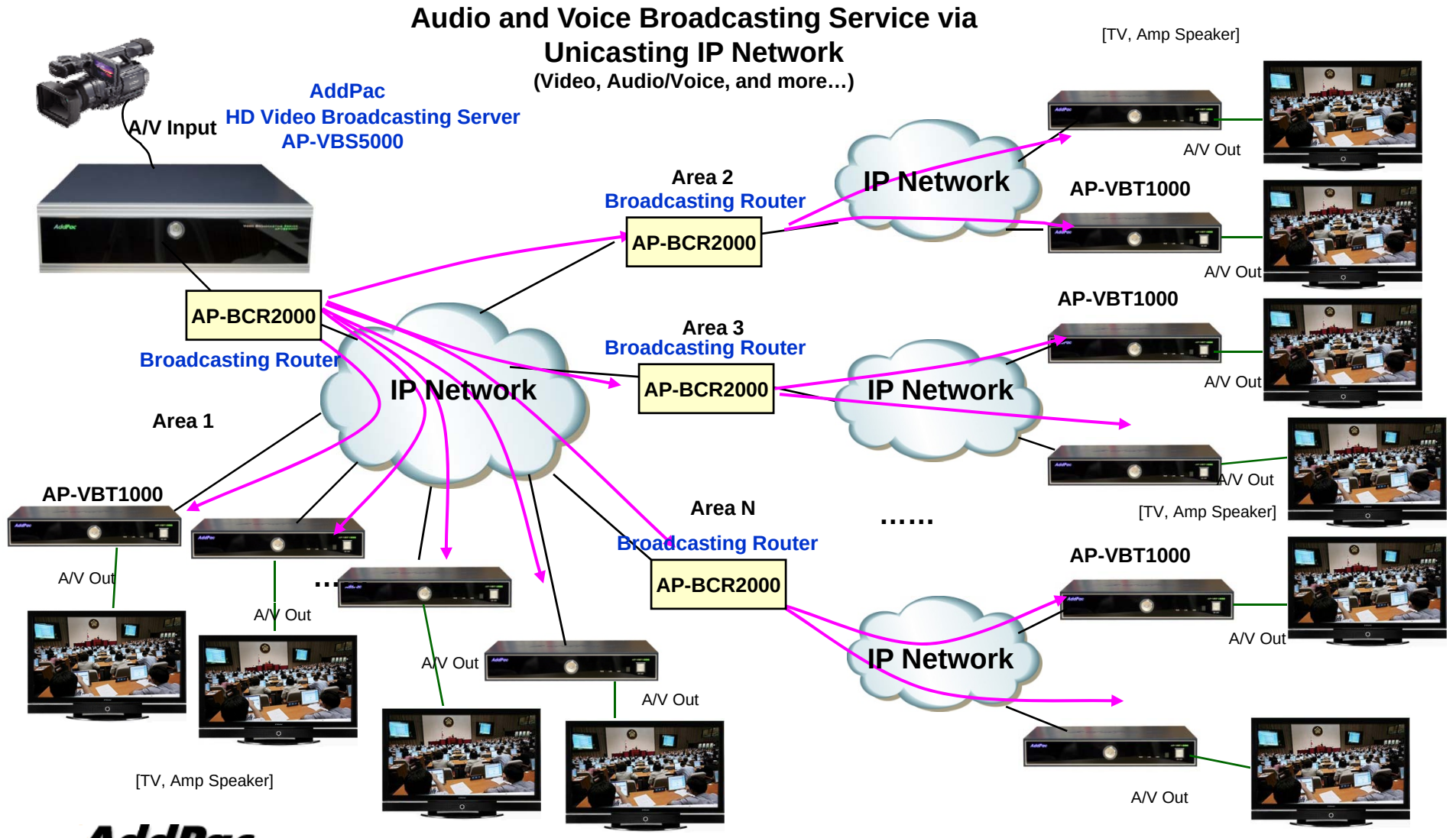
Audio/Video Real-time Broadcasting

AP-VBT1000A HD Video Broadcasting Terminal



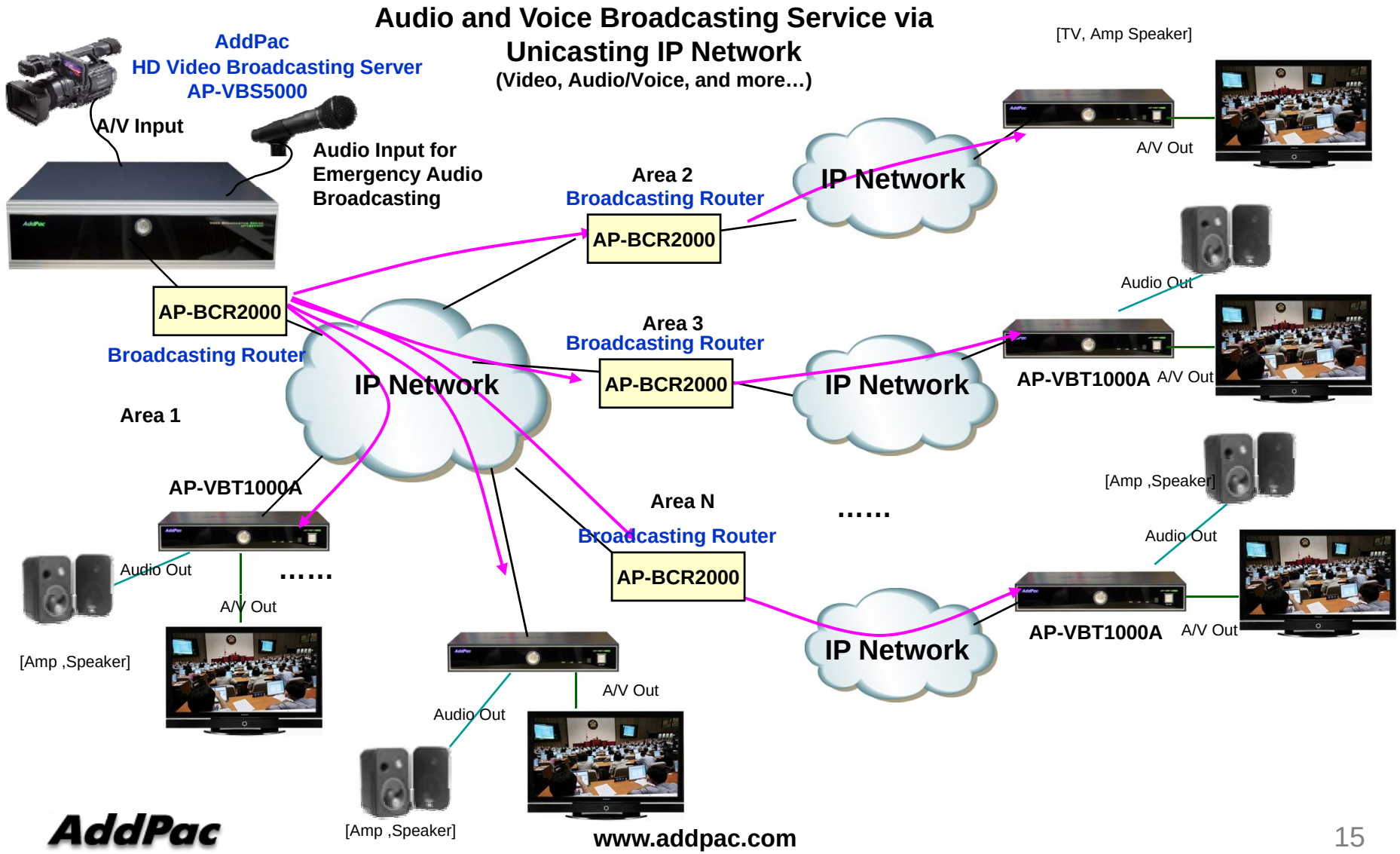
Audio/Video Real-time Broadcasting

AP-VBT1000A HD Video Broadcasting Terminal



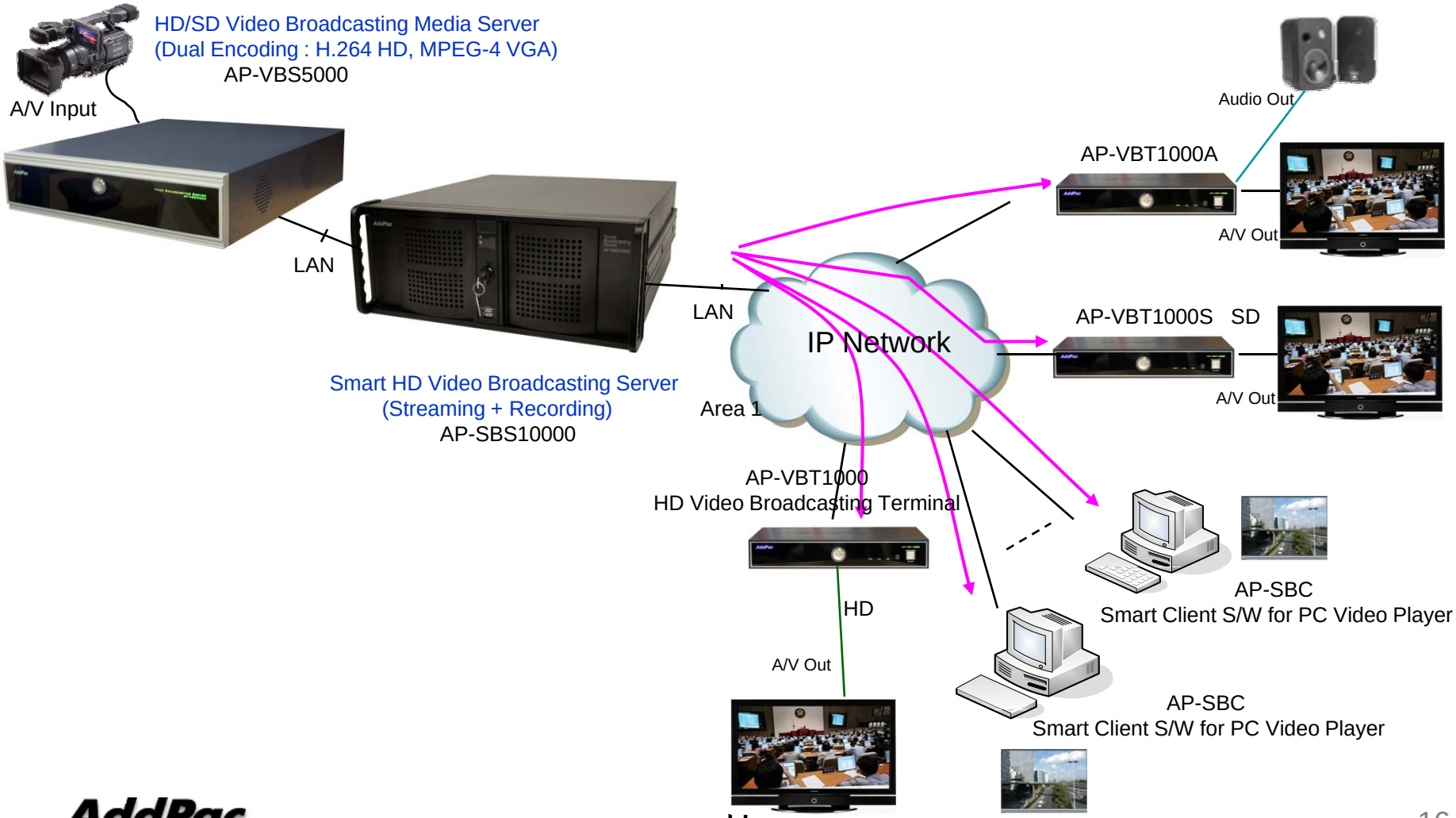
Audio/Video Real-time Broadcasting + Emergency Audio Broadcasting

AP-VBT1000A HD Video Broadcasting Terminal



Video on Demand Service

AP-VBT1000A HD Video Broadcasting Terminal



Local File Browsing and Video Replay

AP-VBT1000A HD Video Broadcasting Terminal (AP-VBT1000B Model)

File Browsing

Video Replay

HD IP Broadcasting Solution

- HD/SD Video Broadcasting Media Server : AP-VBS5000
- HD/SD Video Broadcasting Server : AP-SBS10000
- IP Broadcasting Router : AP-BCR2000
- HD Video Broadcasting Terminal : AP-VBT1000
- HD Video Broadcasting Terminal : AP-VBT1000A
- SD Video Broadcasting Terminal : AP-VBT1000S
- Video Broadcasting Monitoring Terminal: AP-VP500
- Video Broadcasting Terminals : AddPac Video Phones
- Network Service Diagram

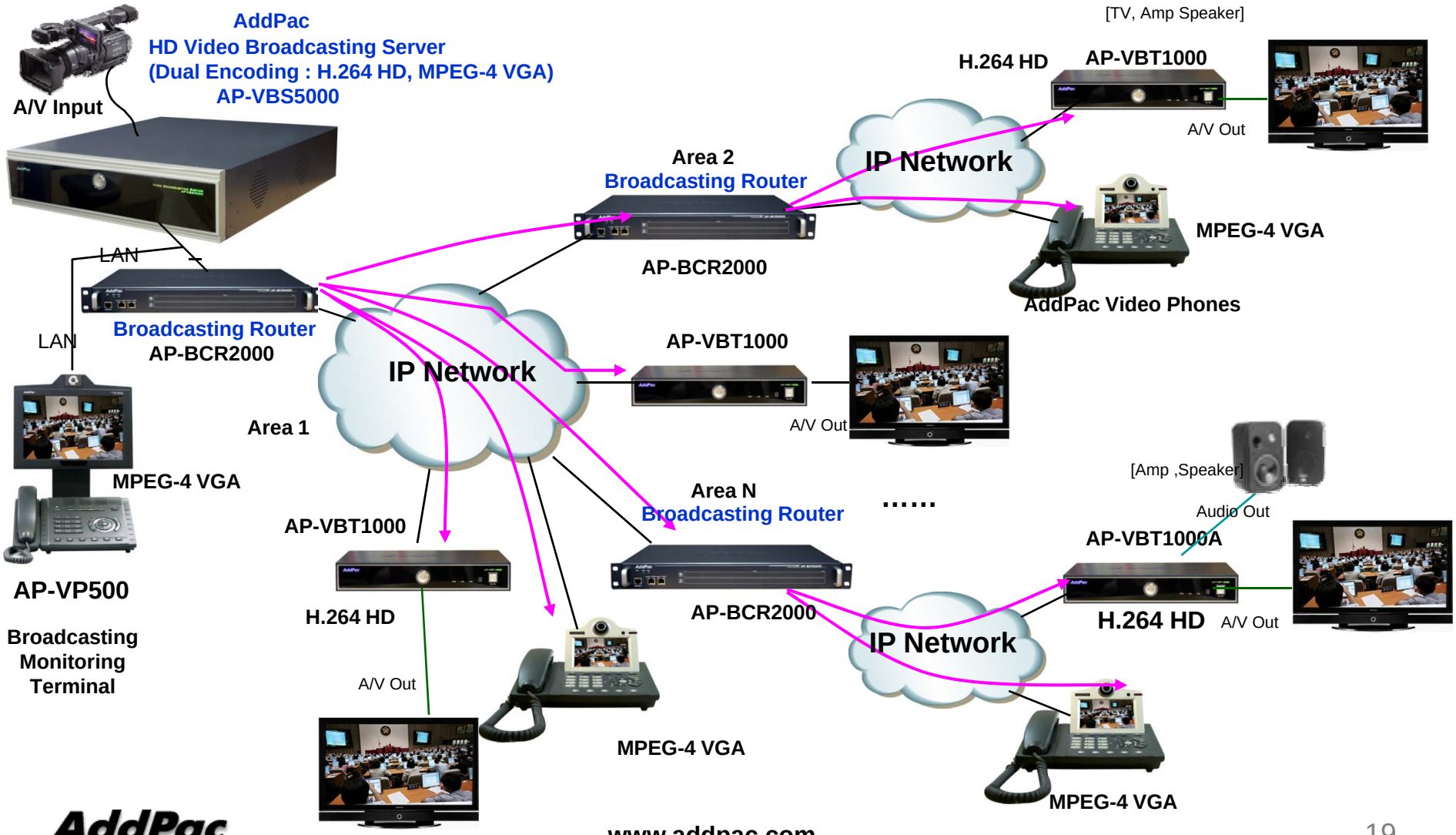
AP-VBS5000

AP-BCR2000

AP-VBT1000A

AP-VP500

HD IP Broadcasting Component Diagram



Ordering Information

- **AP-VBT1000A HD Video Broadcasting Terminal Hardware**
  - AP-VBT1000A 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
  - Second Audio Output Interface for Emergency Audio Broadcasting Service
  - Including Network Cable Set & Power Supply Cable, Remote Controller, etc.
- **Built-in APOS Internetworking Software for AP-VBT1000A**
- **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