



# 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**

## **AddPac Technology**

2011, Sales and Marketing

[www.addpac.com](http://www.addpac.com)

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# Product Overview

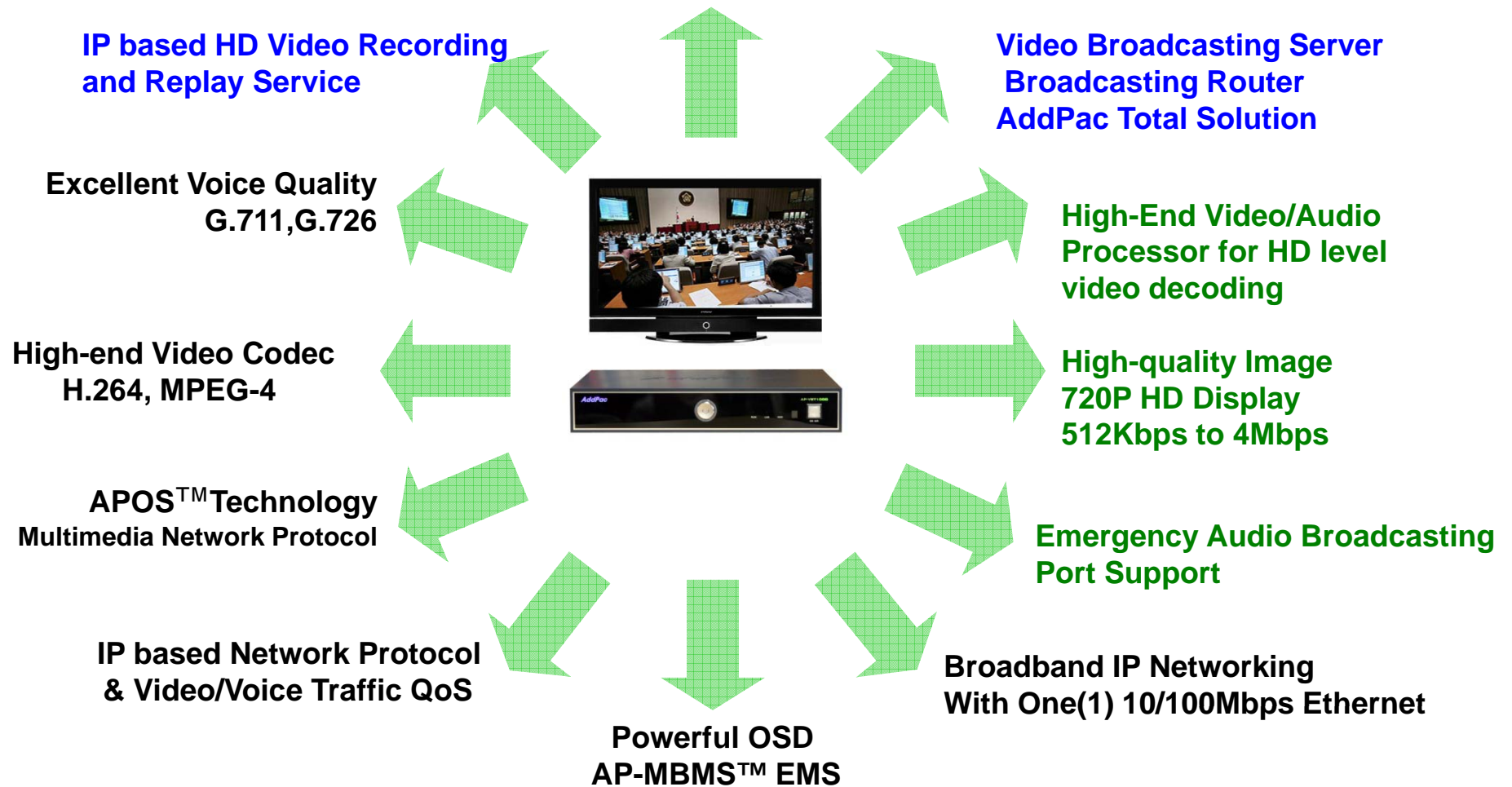
## AP-VBT1000A HD Video Broadcasting Terminal

- 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

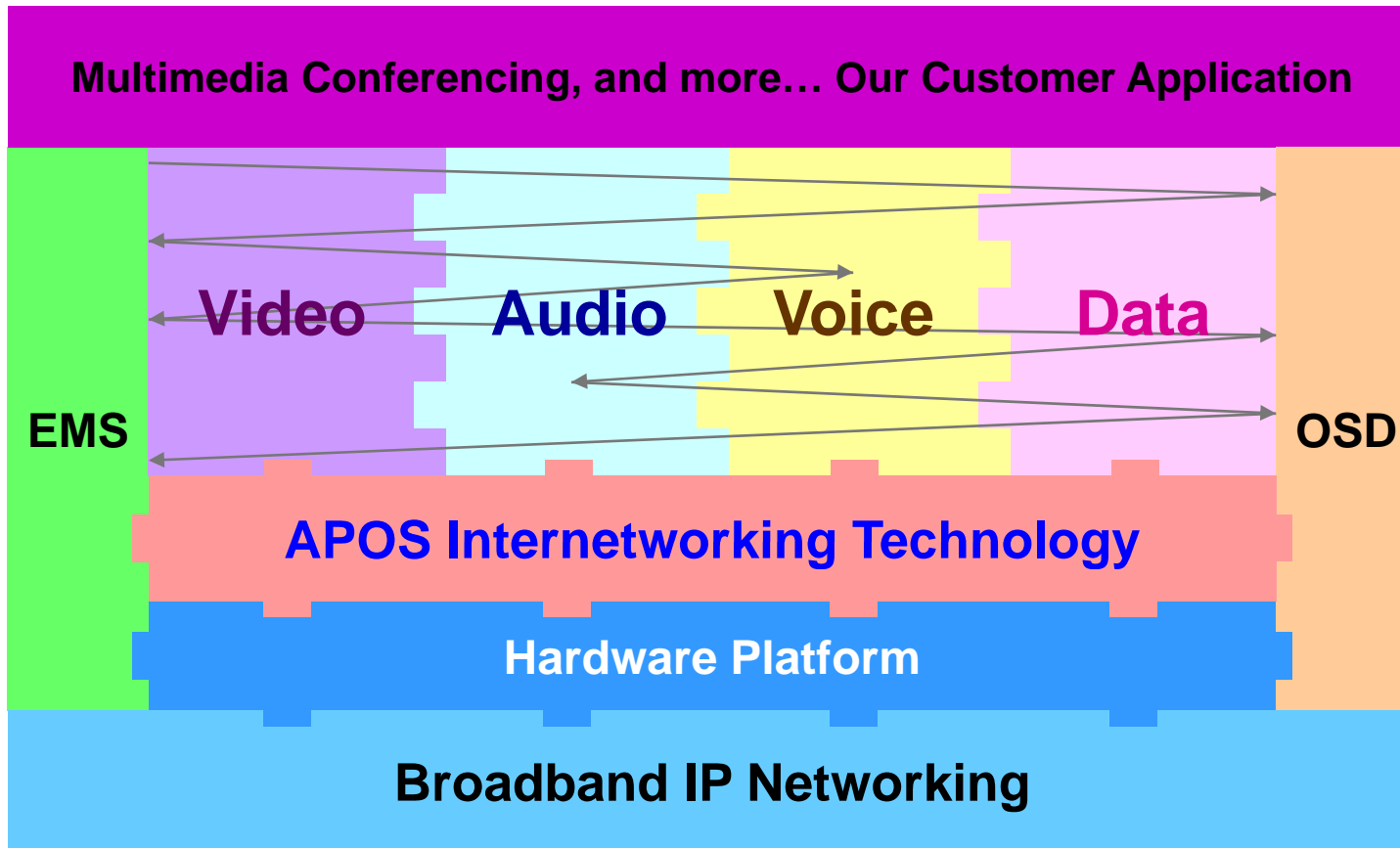


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# Multimedia Service

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

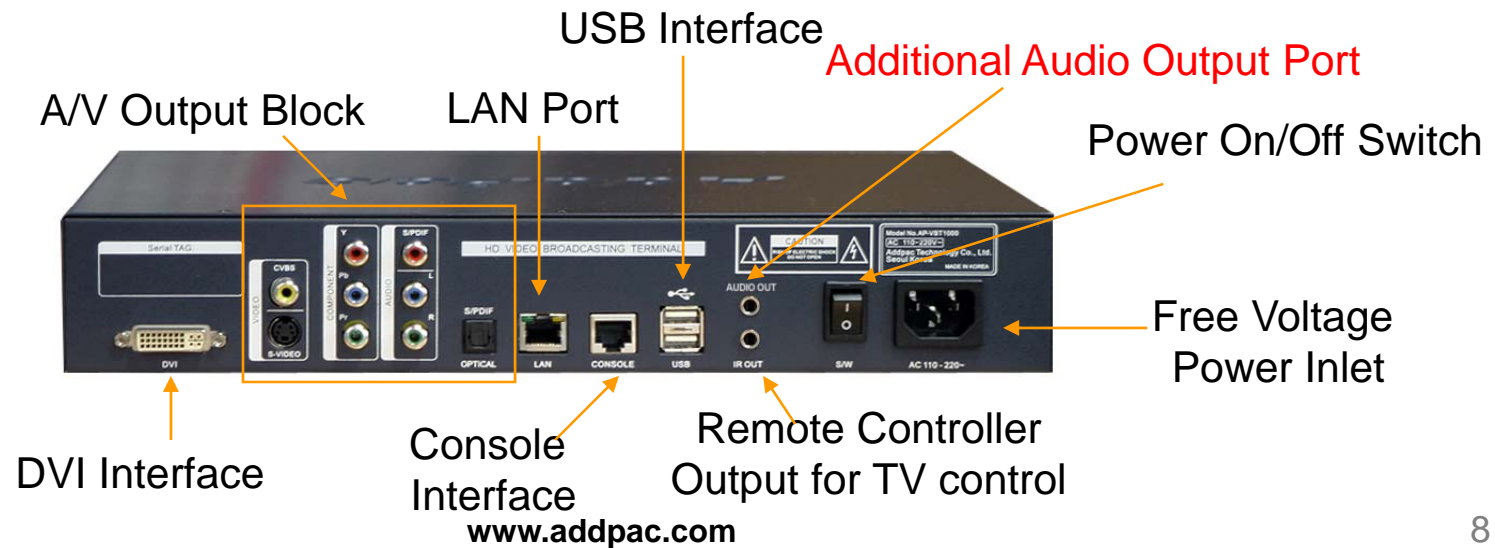
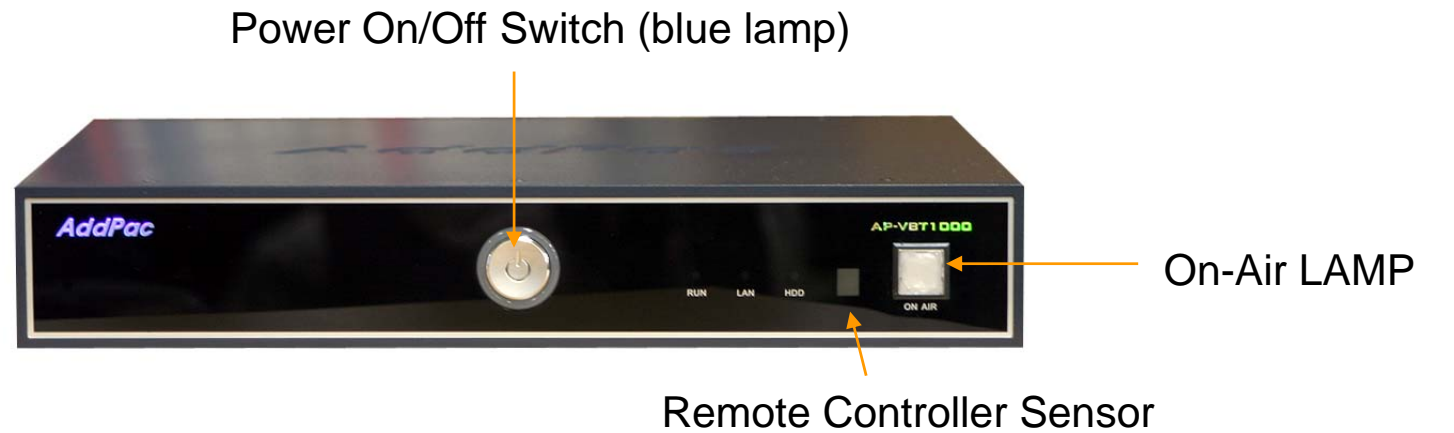
AP-VBT1000A HD Video Broadcasting Terminal

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

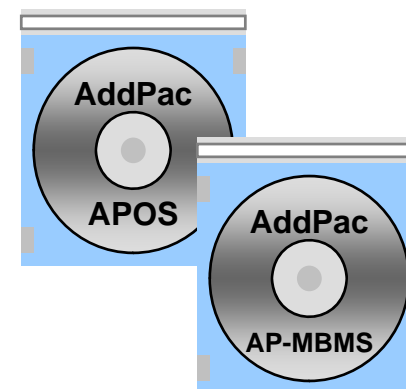




# Software Service

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

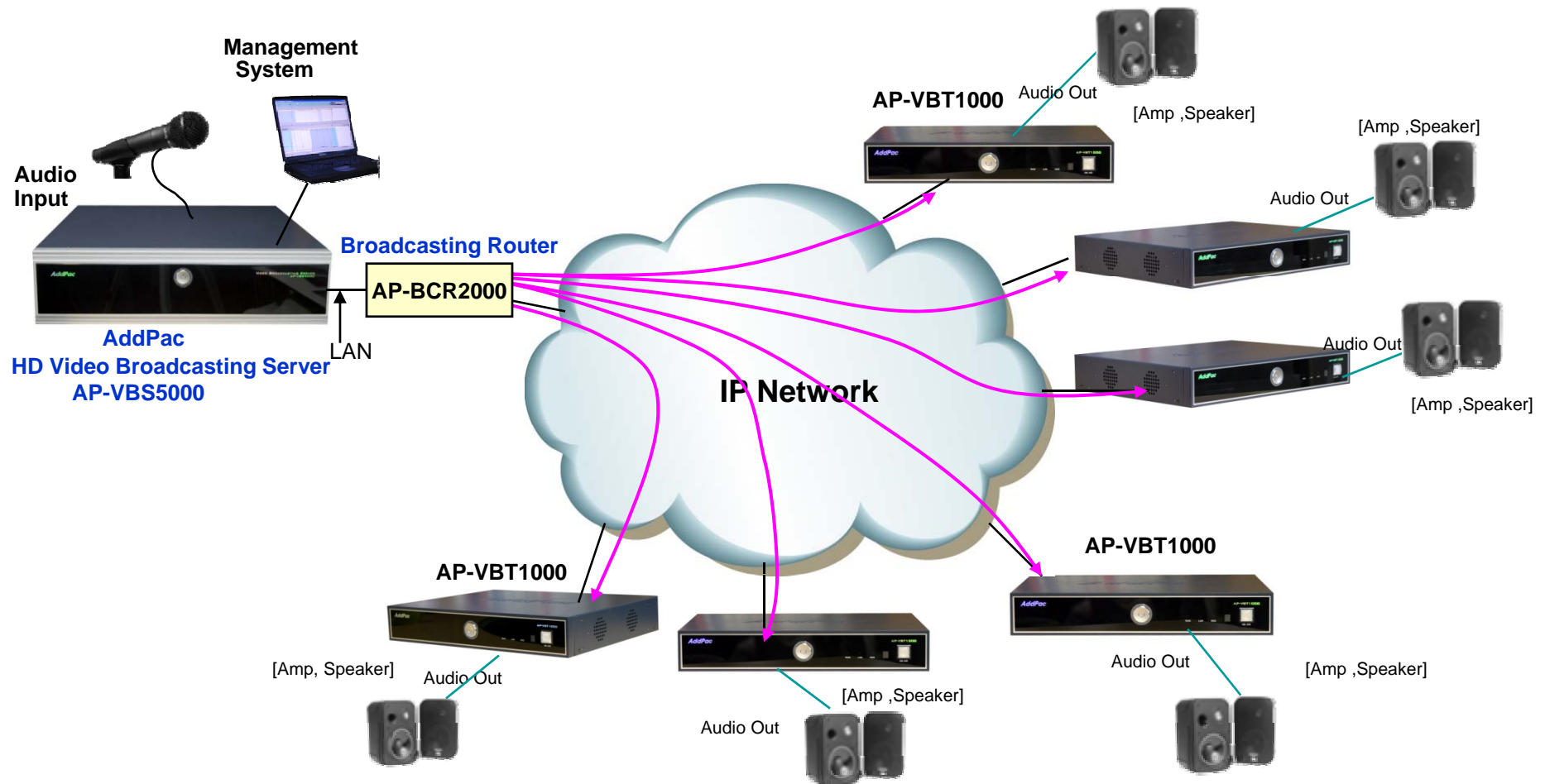
- Audio Real-time Broadcasting
- Audio/Video Real-time Broadcasting
- Audio/Video Real-time Broadcasting + Emergency Audio broadcasting
- Video on Demand Application



# Audio Real-time Broadcasting

AP-VBT1000A HD Video Broadcasting Terminal

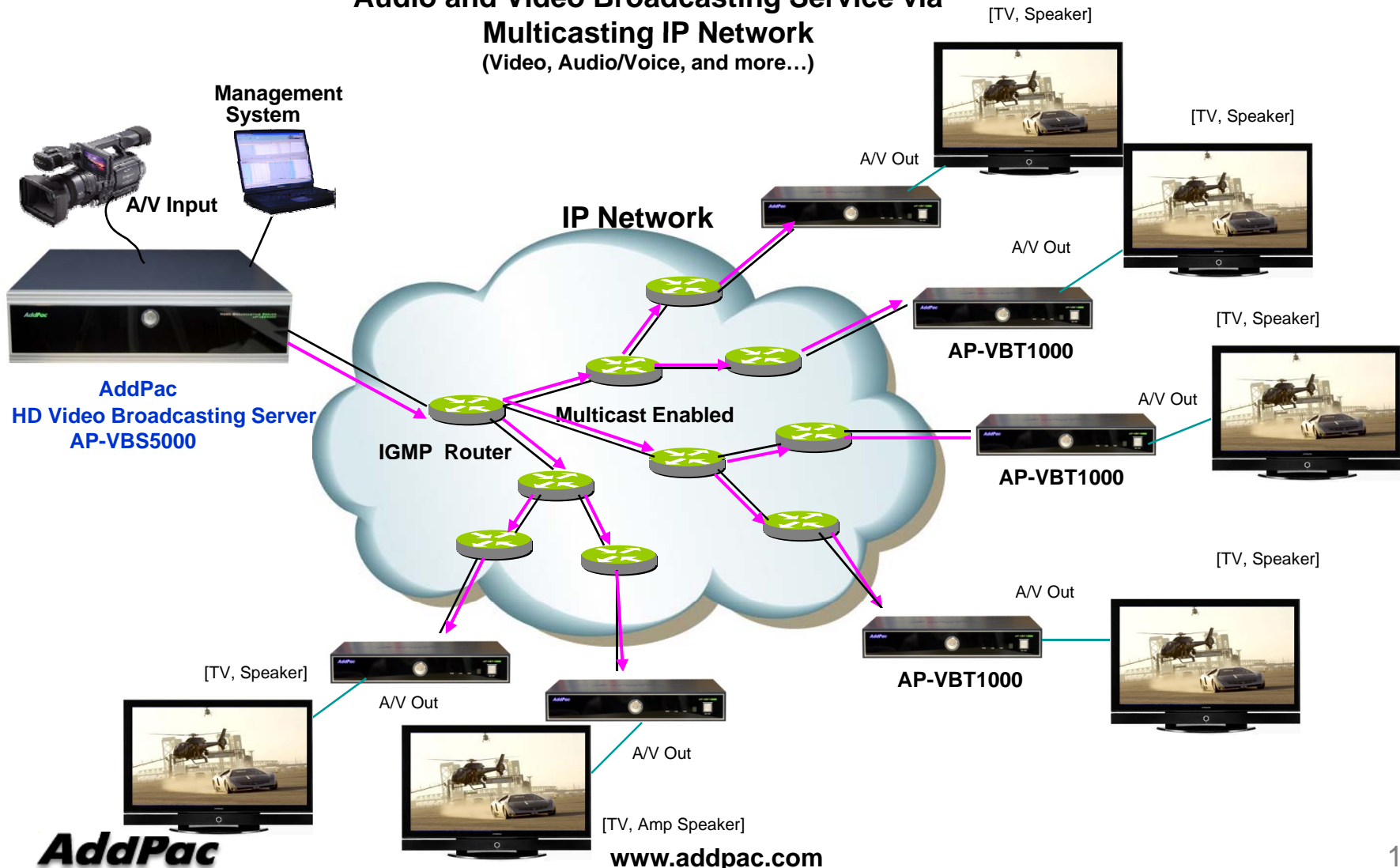
## Audio Broadcasting Service via IP Network



# Audio/Video Real-time Broadcasting

## AP-VBT1000A HD Video Broadcasting Terminal

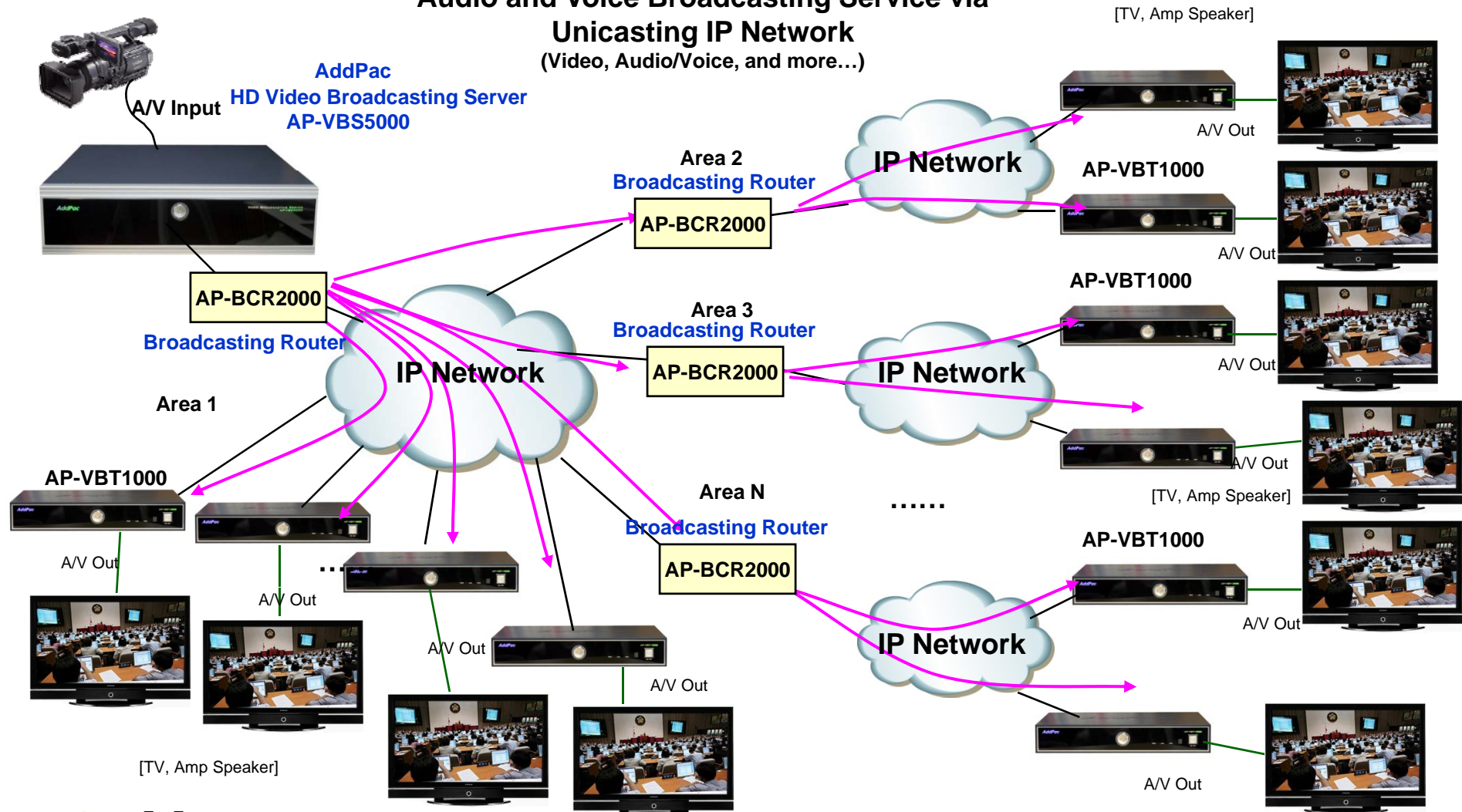
### Audio and Video Broadcasting Service via Multicasting IP Network (Video, Audio/Voice, and more...)



# Audio/Video Real-time Broadcasting

## AP-VBT1000A HD Video Broadcasting Terminal

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

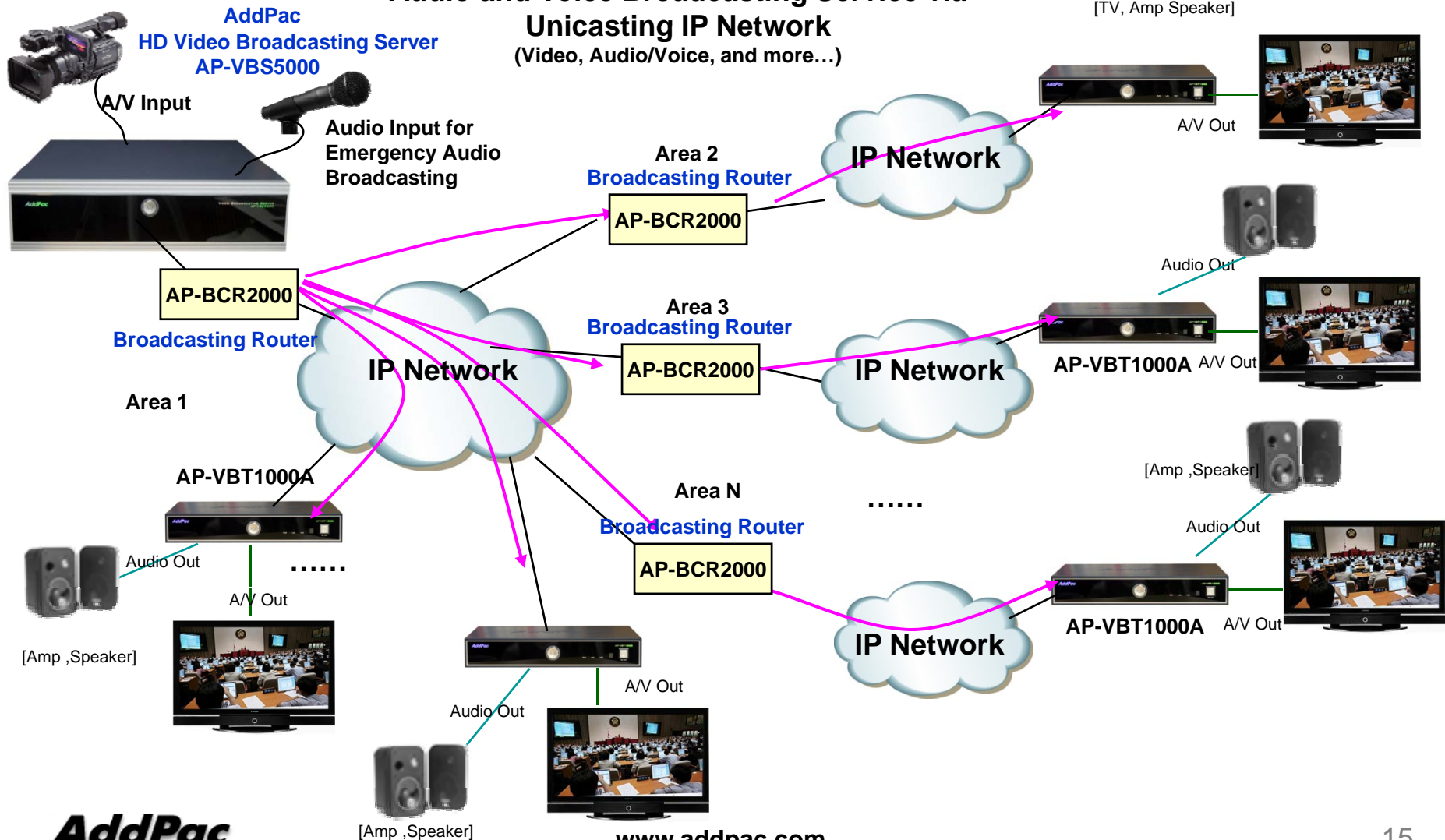




# Audio/Video Real-time Broadcasting + Emergency Audio Broadcasting

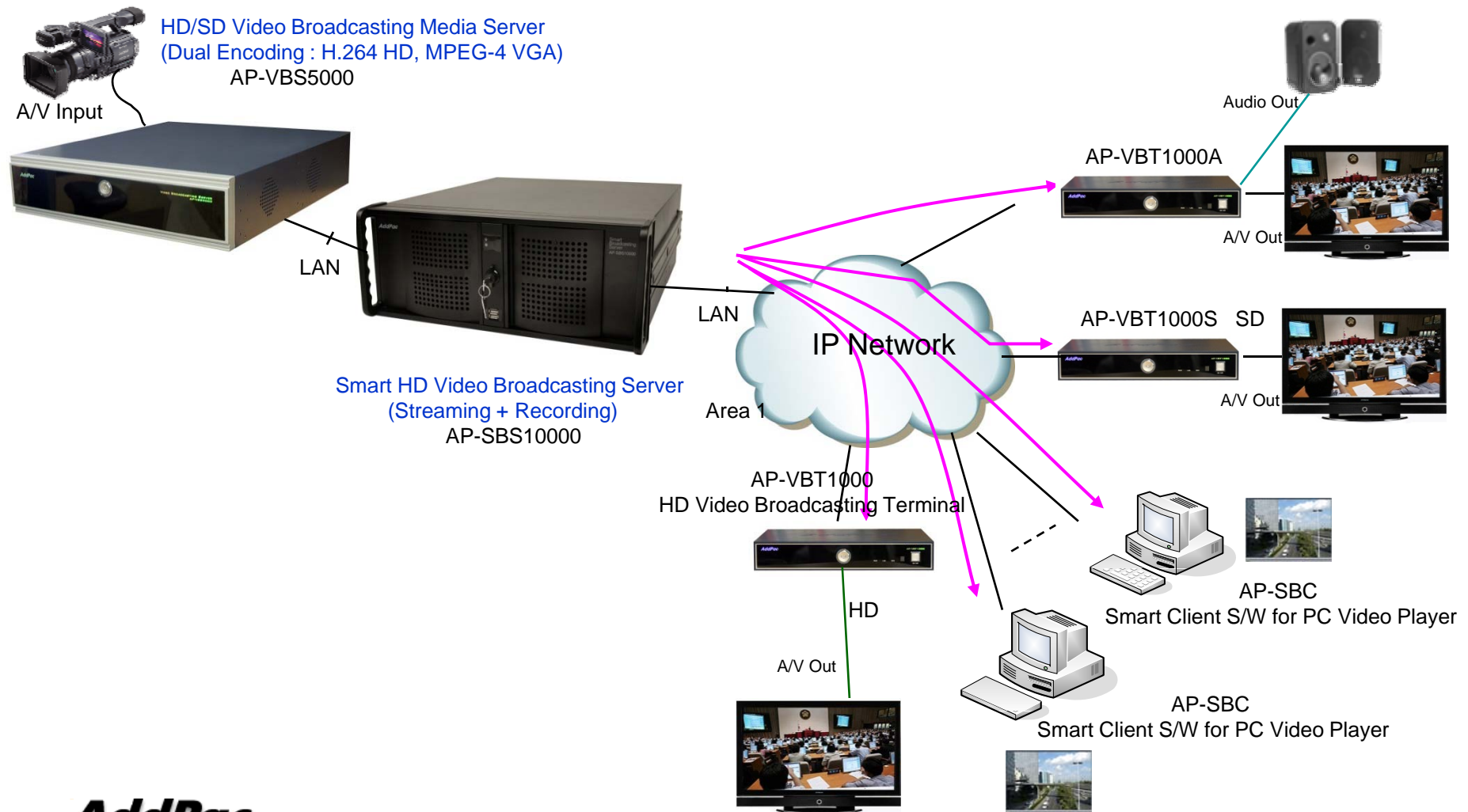
AP-VBT1000A HD Video Broadcasting Terminal

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



# 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

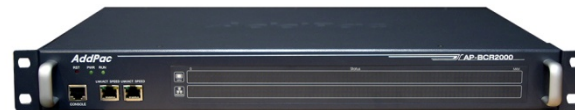


# HD IP Broadcasting Solution

- 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

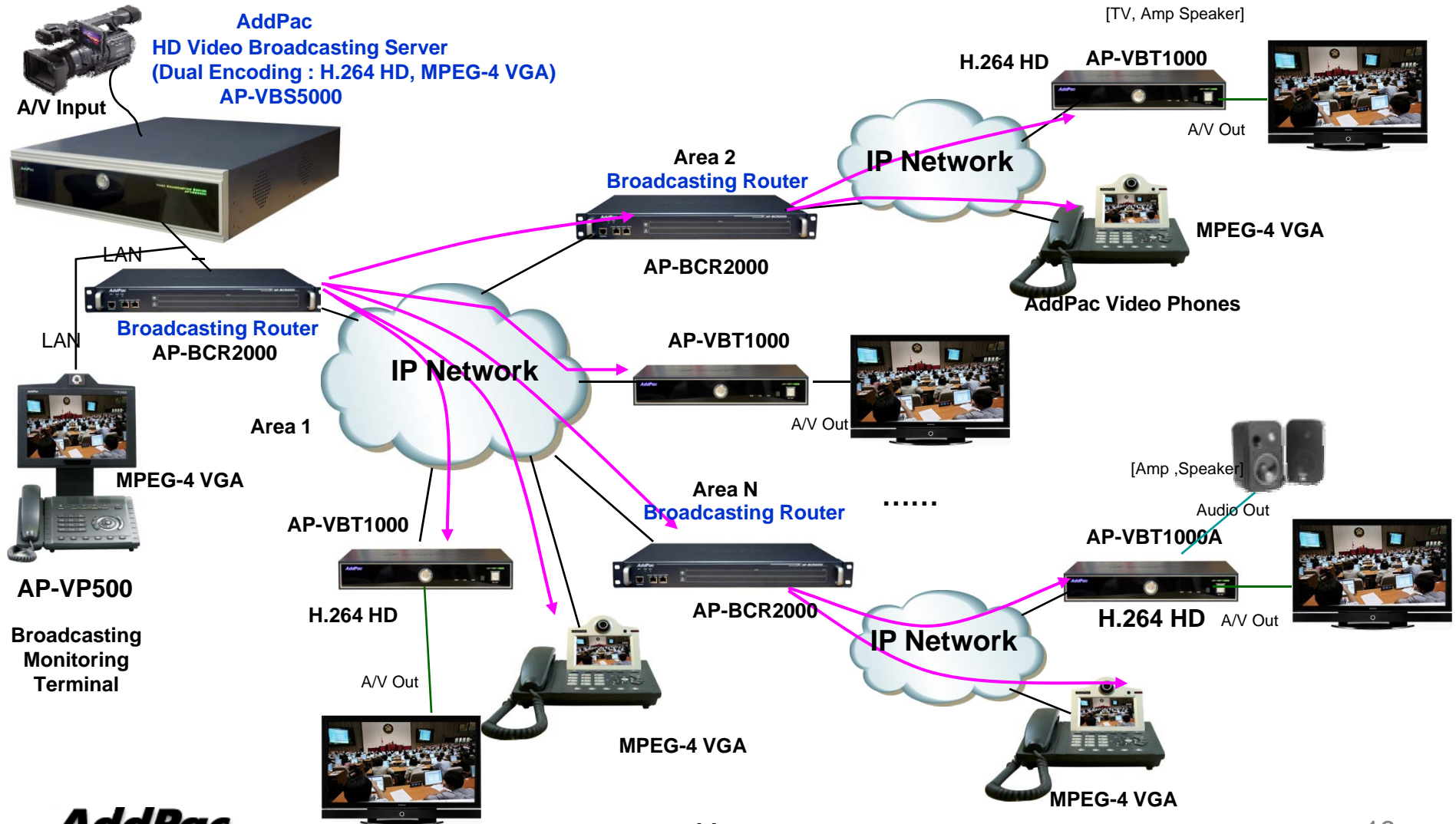


AP-VBT1000A



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](http://www.addpac.com)



# Thank you!

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