

# HD IP Broadcasting Solution for HDMI based Video Conference Device Recording



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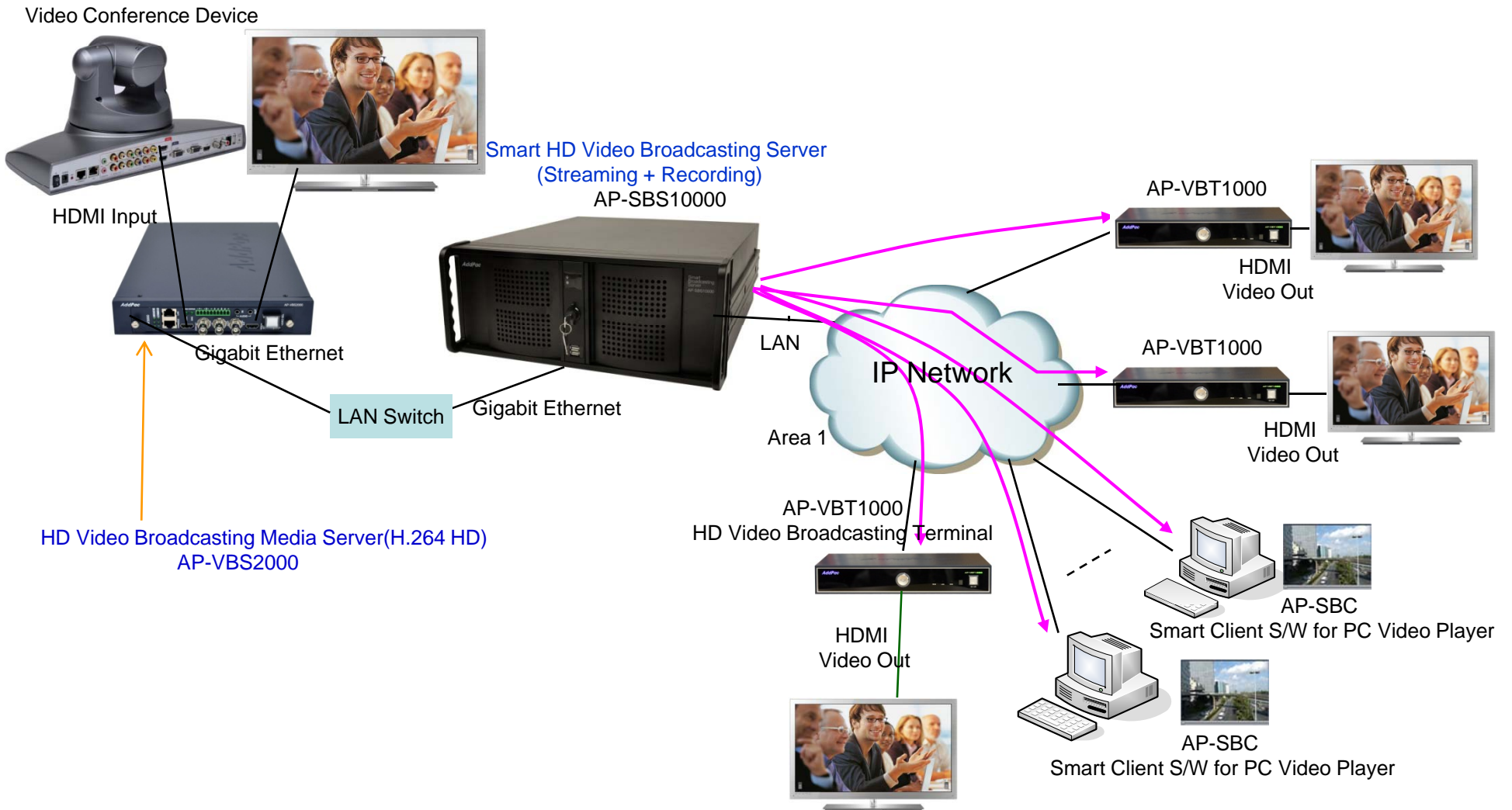
**AddPac Technology**

2013, Sales and Marketing

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  - HD IP Broadcasting Server: AP-SBS10000
  - HD IP Broadcasting Terminal : AP-VBT1000
  - HD Broadcasting Management System : AP-MBMS
  - Smart Broadcasting Client S/W for PC Video Player : AP-SBC

# HD IP Broadcasting Service Diagram for HDMI based Video Conference Device Recording





# HD IP Broadcasting Media Encoder Solution



# AP-VBS2000 Video Media Encoder

# HD IP Broadcasting Media Encoder

AP-VBS2000 Video Media Encoder

## Main Features

- IP based HD Video Broadcasting Service Solution
- High Performance Real-time Audio/Video Broadcasting Solution
- One(1) Module Slot for Video Media Encoder
- High-end Video Codec, H.264 High Profile
- Up to 30 frame/sec, 1080i Full HD, 720P HD Video Resolution Support
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- RTP, RTSP Protocol based Broadcasting Service
- IP based Network Protocol, Video/Voice Traffic QoS

# HD IP Broadcasting Media Encoder

AP-VBS3000 Video Media Encoder

## Hardware Specification

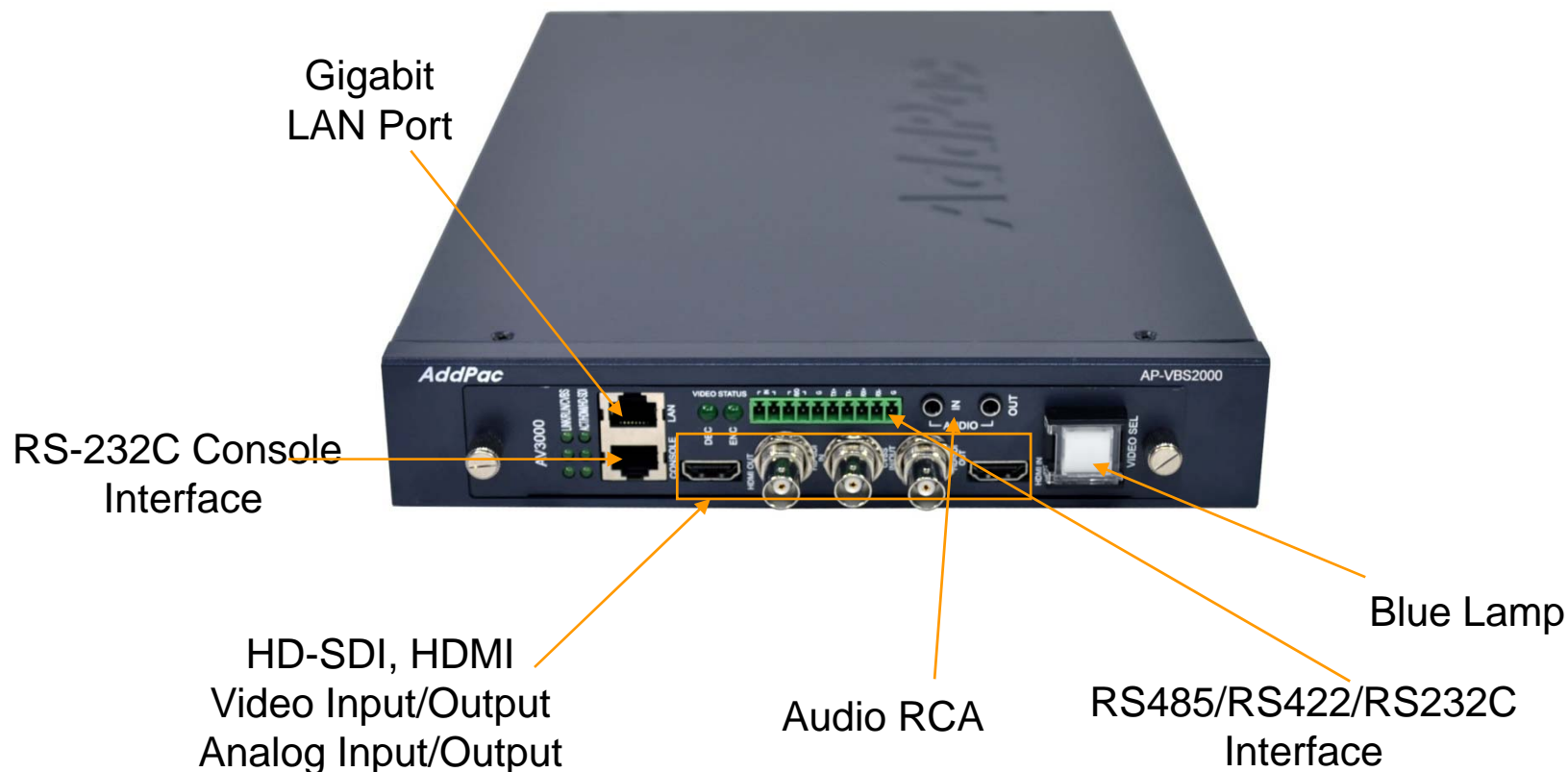
- High-End Video Processors + RSIC Processor
- Main Chassis
  - Power On/Off Switch
  - One(1) Video Encoder Module Slot
  - AV3500E HD Video Encoder Module
    - Network Interface
      - One(1) 10/100/1000Mbps Gigabit Ethernet
      - One(1) RS-232C Console (RJ45)
      - RS485/RS422/RS232 Interface
    - Video Interface (Input)
      - Component
      - HD-SDI Interface
      - HDMI Interface
    - Audio Interface (Input/Output)
      - RCA Stereo Connector

# HD IP Broadcasting Media Encoder

AP-VBS2000 Video Media Encoder

## Hardware Specification

### AP-VBS2000 (AV3500) Front Side View



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# HD IP Broadcasting Media Encoder

AP-VBS2000 Video Media Encoder

## Hardware Specification

### AP-VBS2000 Back Side View



AC110~220V Free Voltage  
Power Inlet


Power On/Off Switch



# HD IP Broadcasting Server Solution

# Contents

- HD IP Broadcasting Server Comparison Table
- HD IP Broadcasting Server Series
  - AP-SBS10000 : Large Capacity
  - AP-SBS1000 : Small Capacity



# AP-SBS10000 HD IP Broadcasting Server (Real-time & On-Demand)

# HD IP Broadcasting Server

AP-SBS10000 Smart HD Broadcasting Server

## Main Features

- High-Performance HD/D1 Video Broadcasting Service Features
- RTP, RTSP Protocol Support
- H.264 Video Codec, Full HD, HD, D1 Video Resolution Support
- HD Video Recording and Streaming Service
- Live Broadcasting and On-Demand Service
- Smart Client Broadcasting Video Player Support (MS-Window S/W, Web based)
- Smart Client Broadcasting Manager Support (MS-Window S/W, Web based)
- Powerful Management and User Friendly Features
- High-performance Audio and Video Service
- Firmware Upgradeable Architecture
- Up to 4 x 3.5Inch Hard Disk (SATA Type, 2Tera Byte Support)
- One(1) 10/100/1000Mbps Gigabit Ethernet Interface
- USB Interface Support (Front Side, Back Side)

# HD IP Broadcasting Server

AP-SBS10000 Smart HD Broadcasting Server

## Hardware Specification

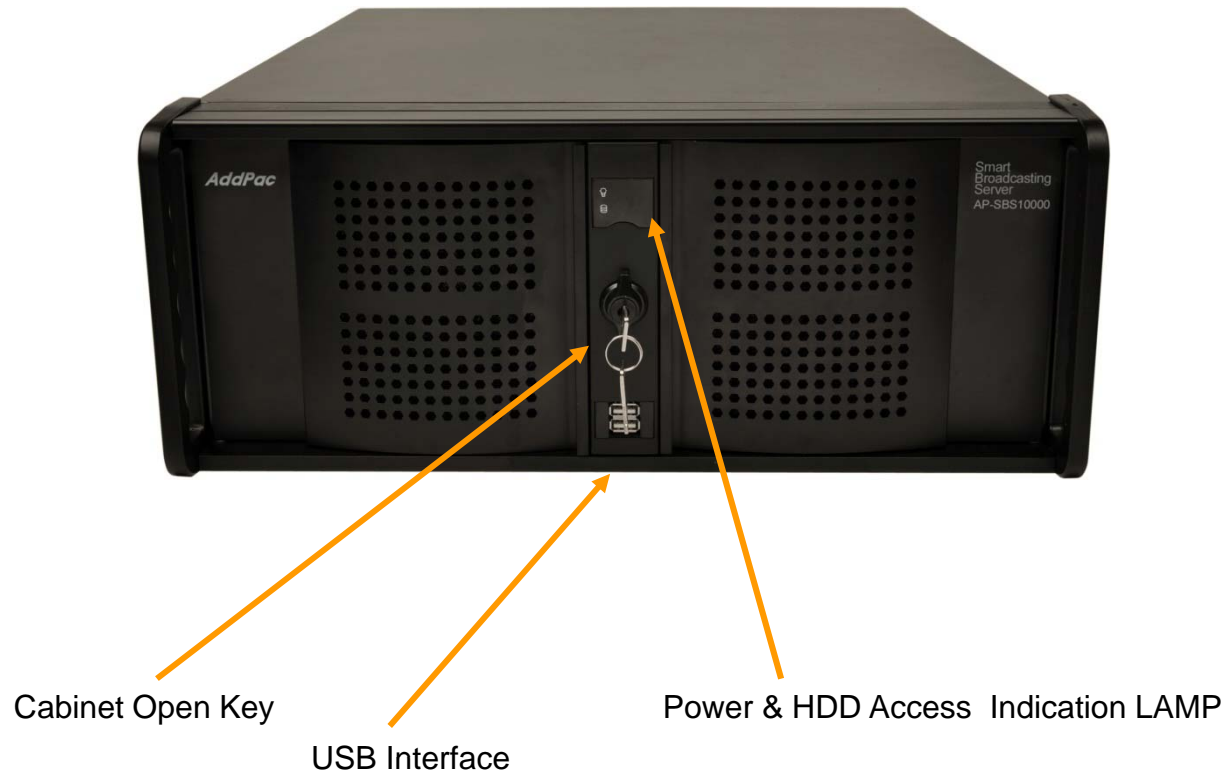
- High Performance Computing Power
- Main Chassis
  - Network Interface
    - One(1) 10/100/1000Mbps Fast Ethernet
  - Video Output Interface
    - HDMI, DVI, RGB Video Output
  - USB 2.0 Interfaces for Mouse, Keyboard, etc
  - One(1) DVD Writer for Video File Backup
  - Up to Four(4) Hard Disk

# HD IP Broadcasting Server

AP-SBS10000 Smart HD Broadcasting Server

## Hardware Specification

AP-SBS10000 Front Side

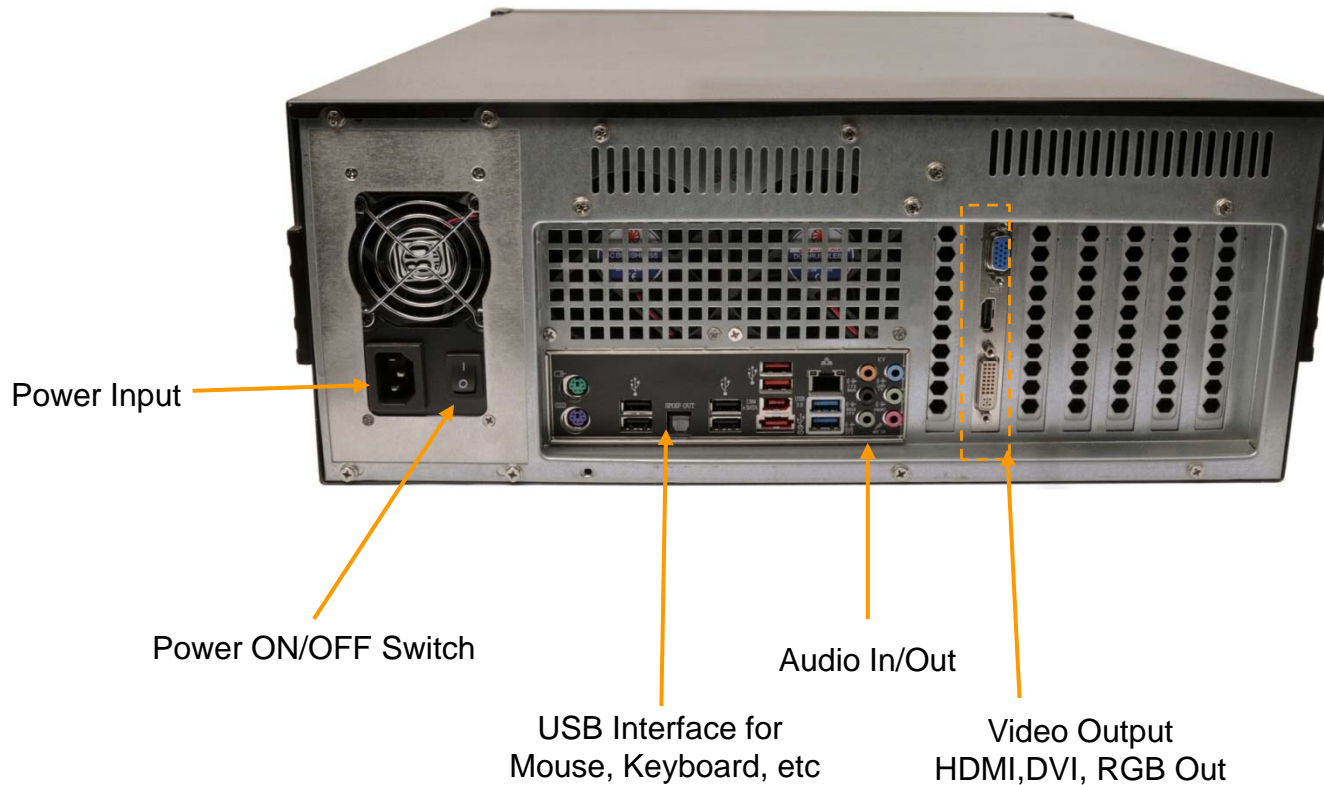


# HD IP Broadcasting Server

AP-SBS10000 Smart HD Broadcasting Server

## Hardware Specification

AP-SBS10000 Front Side







# HD IP Broadcasting Terminal Solution

# Contents

- IP Video Broadcasting Terminal Series
  - AP-VBT1000 : HD Terminal





# AP-VBT1000

## Video Broadcasting Terminal

# IP based Video Broadcasting Terminal

## AP-VBT1000 HD Video Broadcasting Terminal

### Main Features

- High Quality Images up to 64kbps and 4Mbps (HD)
- High-performance Audio & Video Codec Support
  - H.264, MPEG-4 Video Codec
  - Line IN/OUT : G.726, G.711, MP-3, AAC Audio Codec
- Up to 30 frame/sec, SD, HD, Full HD Resolution
- RTP/RTSP 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
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

# IP based Video Broadcasting Terminal

## AP-VBT1000 HD Video Broadcasting Terminal

### Hardware Specification

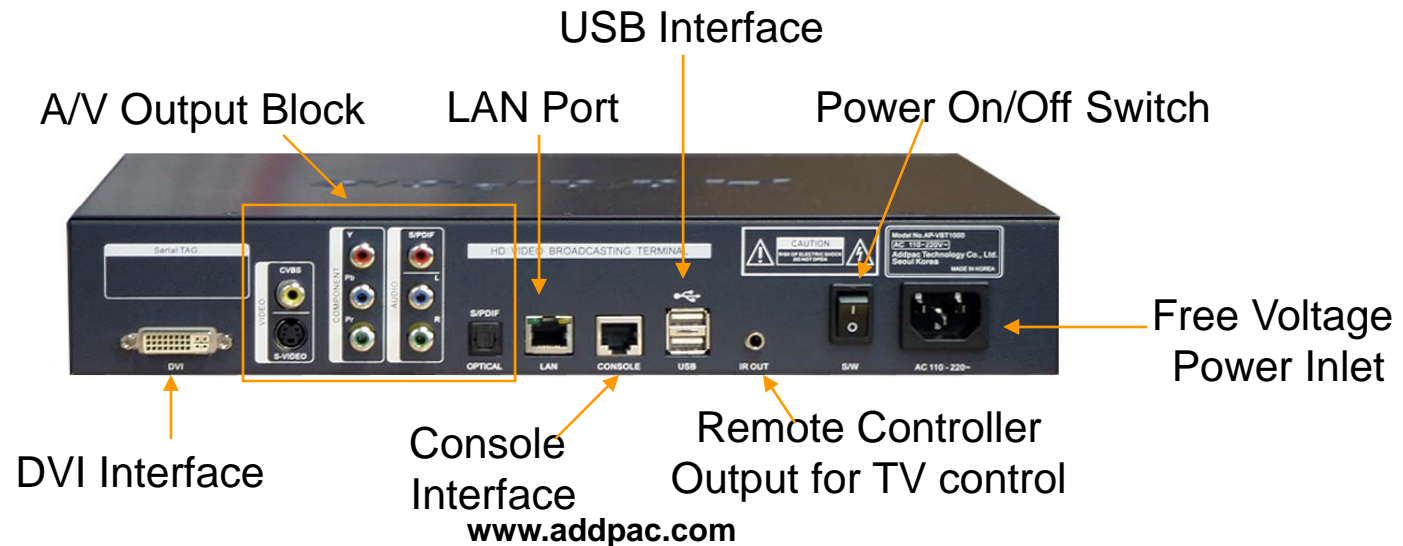
- High-End Audio/Video Processor
- Main Chassis
  - Power On/Off Switch (Front Panel)
  - Remote Controller Sensor (Front Panel)
  - On-AIR Indication LAMP (Front Panel)
  - Network Interface
    - Two(2) 10/100Mbps Fast Ethernet
    - Two(2) USB 2.0 Interface
    - One(1) RS-232C Console (RJ45)
   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

# IP based Video Broadcasting Terminal

## AP-VBT1000 HD Video Broadcasting Terminal

### Hardware Specification

Power On/Off Switch (blue lamp)





# AP-MBMS HD IP Broadcasting Management System

# HD Broadcasting Management System

AP-MBMS Multimedia Broadcasting Management System

## Main Features

- User Register and Access Restriction Management
- Broadcasting Device Management
- Broadcasting Source, Group, Favorite List Management
- Reserved Broadcasting and Time Signal Broadcasting
- Fire Reception Department Setup (AP3150)
- Emergency Broadcasting Setup and Broadcasting
- Fire Emergency Broadcasting Setup and Broadcasting
- TTS Broadcasting
- Remote Broadcasting Management (AP-VP300 Remote Broadcasting)
- Broadcasting Device Inspection
- Search Event Log



# HD Broadcasting Management System

AP-MBMS Multimedia Broadcasting Management System

## Hardware Requirement

### 1. e-MBMS Server H/W Requirement

- CPU: Intel Pentium4 1GHz (minimum)
- MEMORY: 512Mbyte (minimum)
- HDD: 40GB
- OS: Windows XP, Windows 2000, Windows 7..

### 2. e-MBMS Client H/W Requirement

- CPU: Intel Pentium Series
- MEMORY: 256Mbyte (minimum)
- OS: Windows XP, Windows 2000, Windows 7..

# HD Broadcasting Management System

AP-MBMS Multimedia Broadcasting Management System

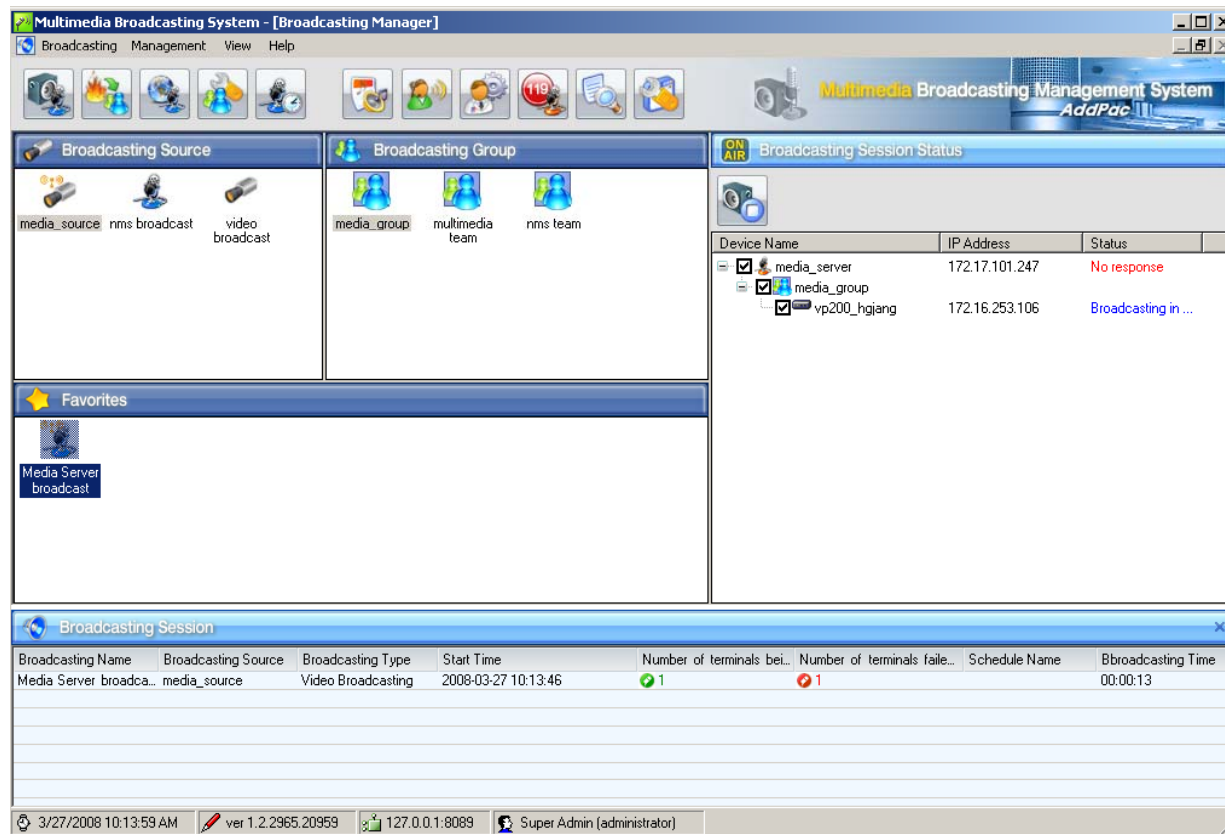
## Software Requirement

1. Database : MySQL Server 5.0
  
2. e-MBMS Server
  - Java JRE 1.5
  - e-MBMS Server
  
3. e-MBMS Client
  - e-MBMS Client

# HD Broadcasting Management System

AP-MBMS Multimedia Broadcasting Management System

## MBMS GUI Initial Screen



**Broadcasting Source**

media\_source nms broadcast video broadcast

**Broadcasting Group**

media\_group multimedia team nms team

**Broadcasting Session Status**

Device Name	IP Address	Status
media_server	172.17.101.247	No response
media_group		
vp200_hgjang	172.16.253.106	Broadcasting in ...

**Favorites**

Media Server broadcast

**Broadcasting Session**

Broadcasting Name	Broadcasting Source	Broadcasting Type	Start Time	Number of terminals bei...	Number of terminals faile...	Schedule Name	Bbroadcasting Time
Media Server broadca...	media_source	Video Broadcasting	2008-03-27 10:13:46	1	1		00:00:13

3/27/2008 10:13:59 AM ver 1.2.2965.20959 127.0.0.1:8089 Super Admin (administrator)



# Thank you!

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