

AP-VLPP™ Video Lecture Solution

High-performance Video Lecture Solution

VLPP (Video Lecture Provision Platform)



AddPac

AddPac Technology

2005, Sales and Marketing

AP-VLPP Video Lecture Provision Platform

- Product Overview
- Video Lecture Network Diagram
- Product Specifications



AP-VP300
Video Phone

AP-VR2000
Video Service Router



AP-VR1000
Video Service Router



AP-MC1000
Audio/Video MCU



AP-VG700
Video Gateway



AP5840
Video Broadcasting Server



AP5850
Video Broadcasting Server

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Product Overview

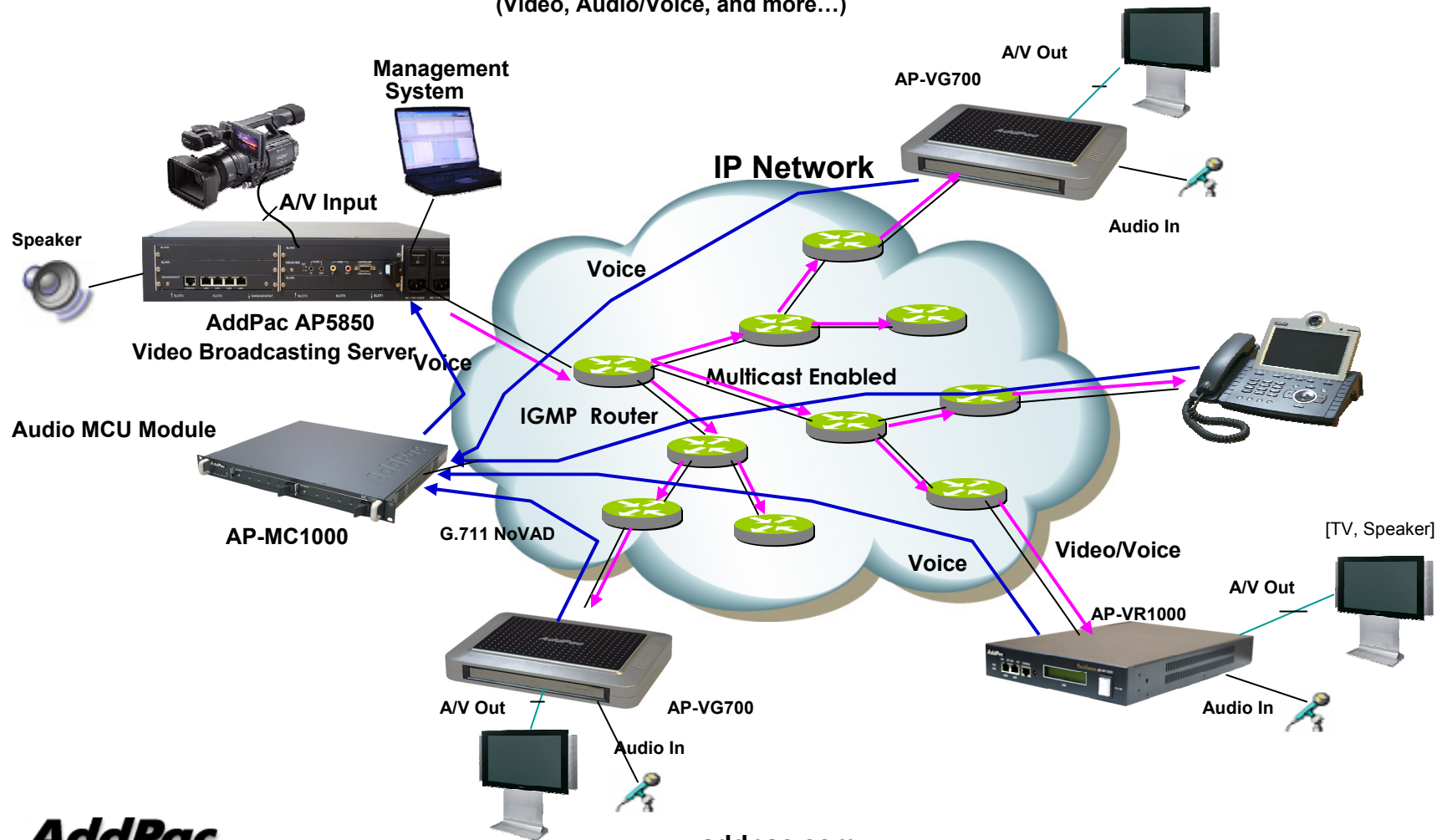
AP-VLPP Video Lecture Provision Platform

- IP based Video Lecture Solution
- Multicasting Protocol Support, IGMP, etc
- High Performance Real-time Video Lecture Solution
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Video Lecture Management Software (Client/Server Architecture)

Remote Video Lecture

AP-VLPP Video Lecture Provision Platform

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

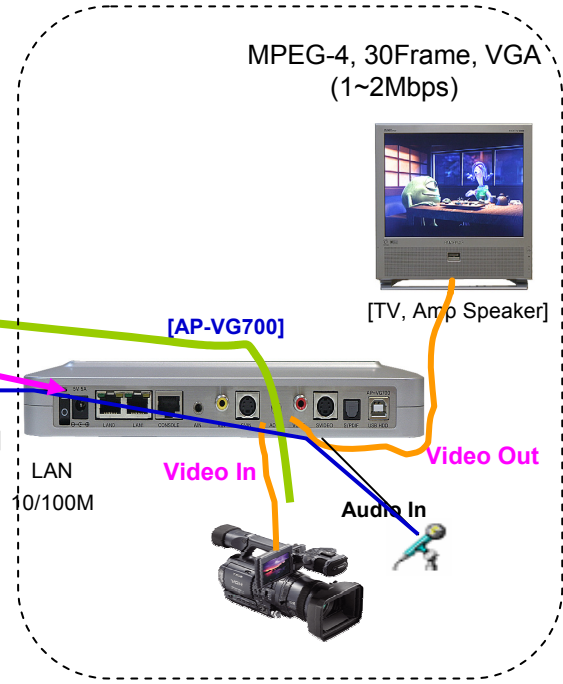
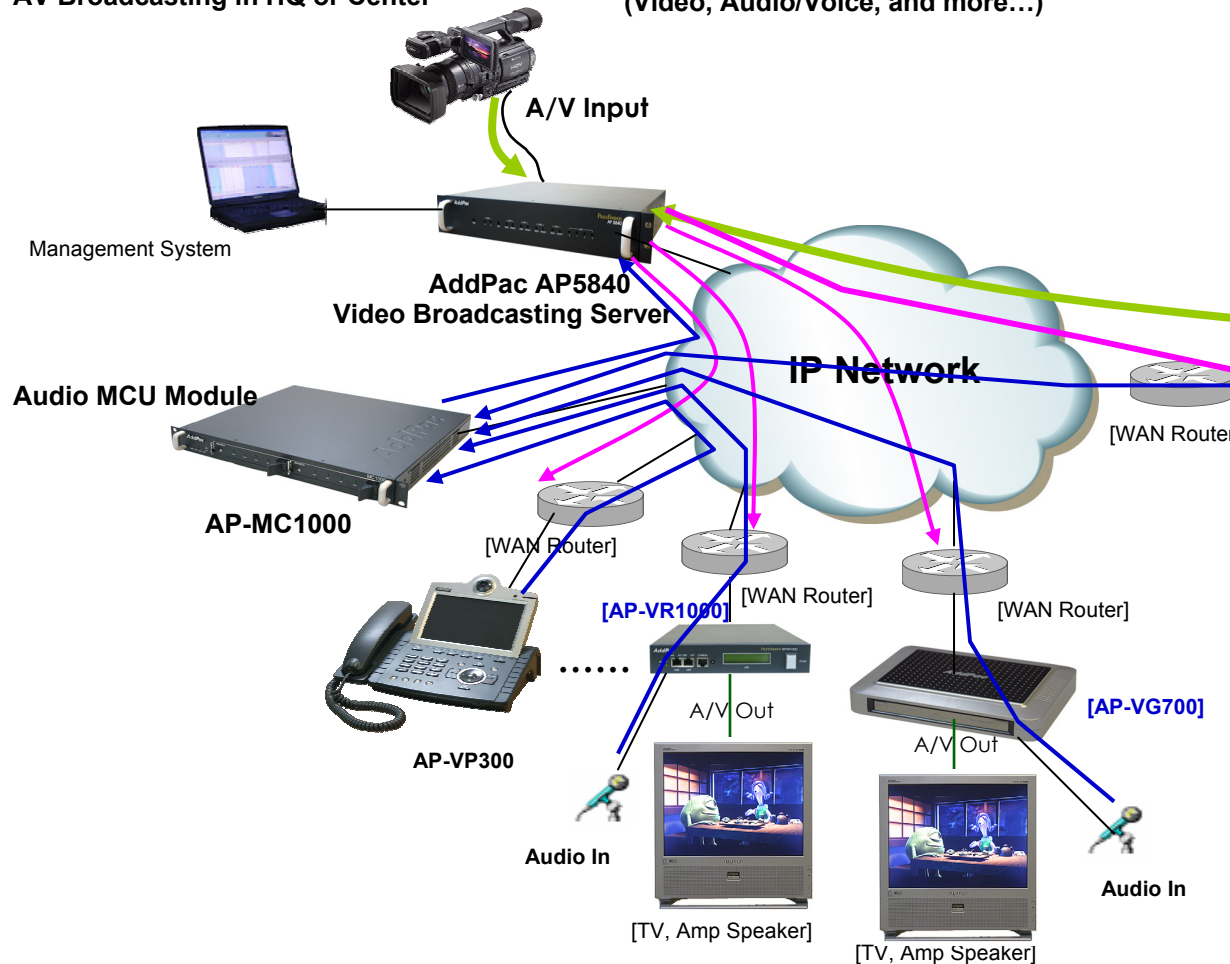


Remote Video Lecturing (CASE1)

AP-VLPP Video Lecture Provision Platform

Remote Site Video Lecturing Service via unicasting IP network (Video, Audio/Voice, and more...)

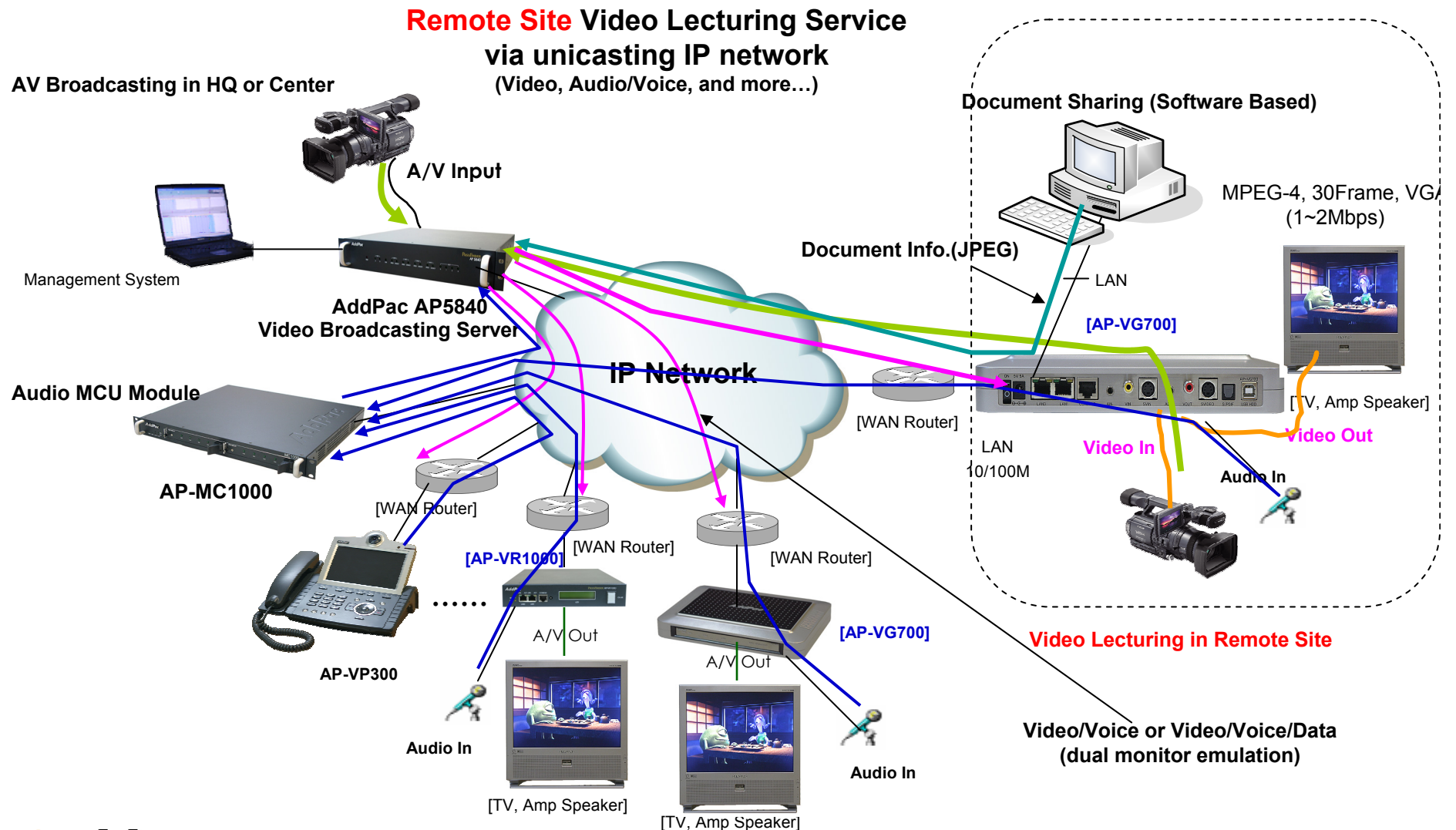
AV Broadcasting in HQ or Center



Video Lecturing in Remote Site

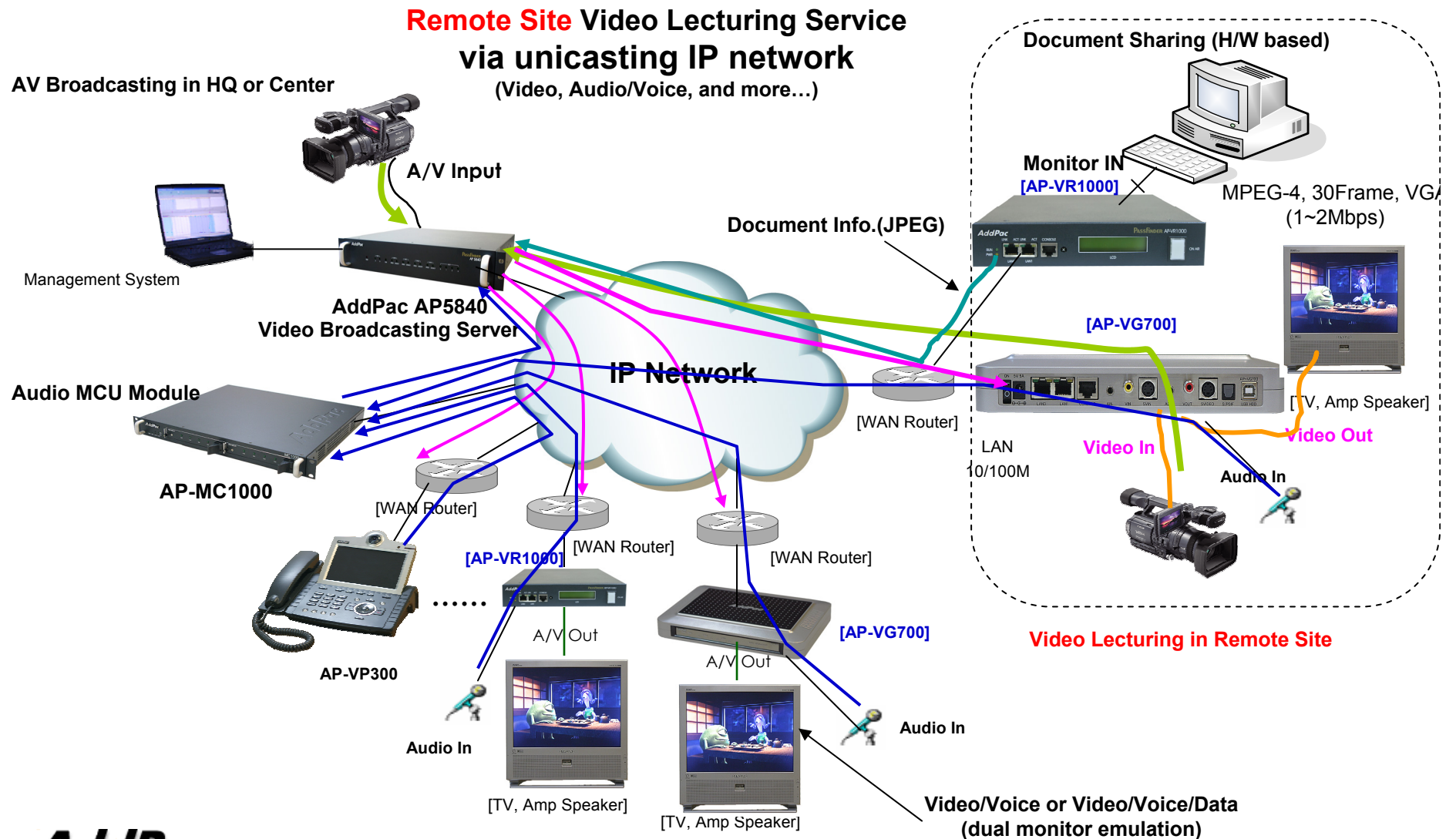
Remote Video Lecturing (CASE 2)

AP-VLPP Video Lecture Provision Platform



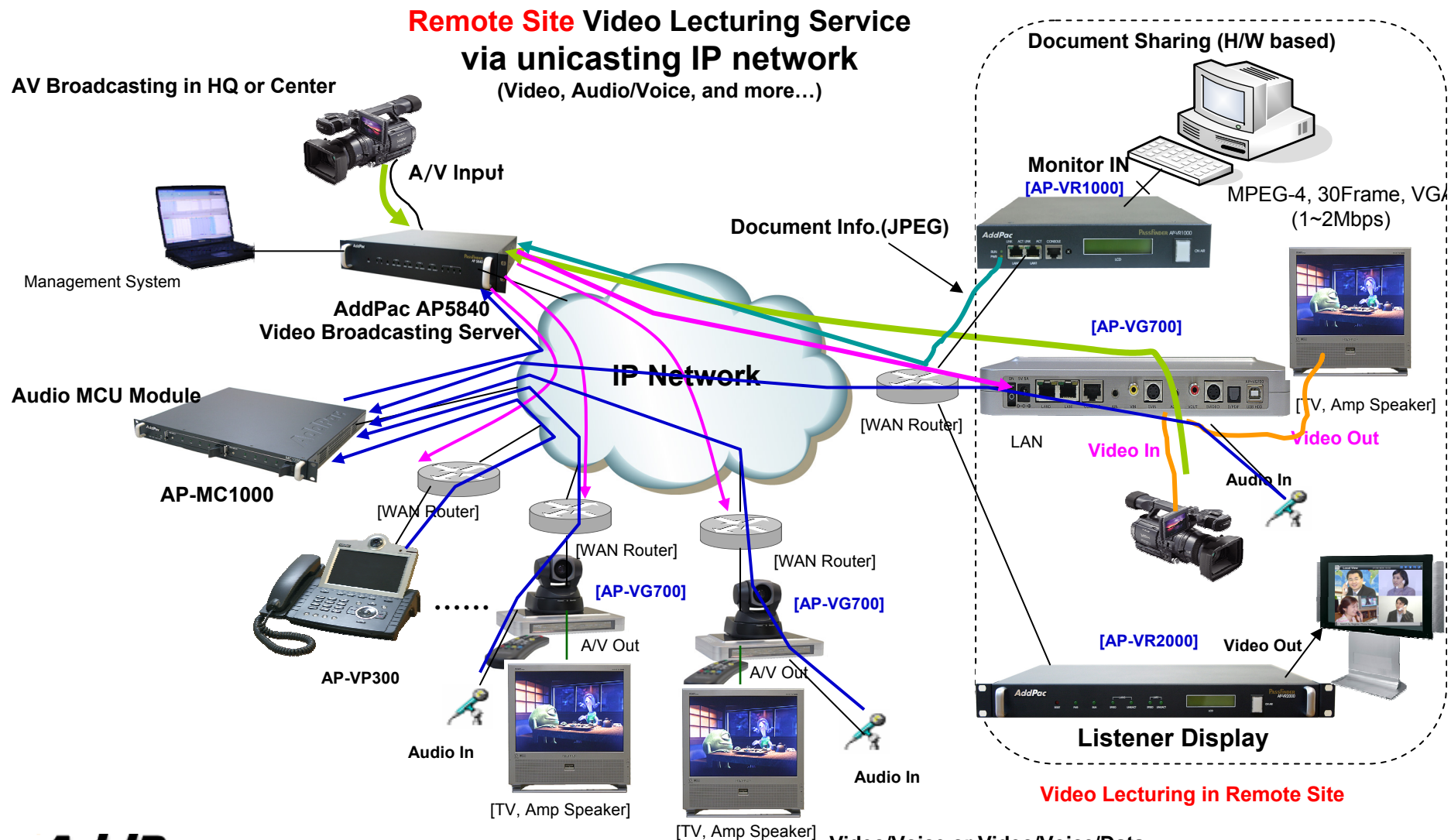
Remote Video Lecturing (CASE 3)

AP-VLPP Video Lecture Provision Platform



Remote Video Lecturing (CASE 4)

AP-VLPP Video Lecture Provision Platform



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Video Broadcasting Server

- Embedded Platform
- Real-time Video Encoding, Transmission
- RTP/RTSP Support, IGMP Support
- RISC Microprocessor Computing Power
- High-end Programmable DSP Hardware Architecture
- Main Chassis
 - One(1) RS-232C Console (RJ45), Four(4) Fast Ethernet Port
 - Four(5) Module Slot
 - Dual Power Supply
- Video Modules : Hot Swap
 - Ex: AP-AV1000(One(1) channel Audio/Video In/Out, RS-232C)
- Network Module : Hot Swap
 - ATM, Frame Relay, V.35 Interface Module, Giga Ethernet Module, **HDD Module**



AP5840

Video Broadcasting Server

- Embedded Platform
- Real-time Video Encoding, Transmission
- RTP/RTSP Support, IGMP Support
- RISC Microprocessor Computing Power
- High-end Programmable DSP Hardware Architecture
- Main Chassis
 - One(1) RS-232C Console (RJ45), Four(4) Fast Ethernet Port
 - Four(4) Module Slot
 - Dual Power Supply
- Various Video Module
 - Ex : AP-AV1000(One(1) channel Audio/Video In/Out, RS-232C)
- **Network Module**
 - ATM, Frame Relay, V.35 Interface Module, Giga Ethernet Module



AP-MC1000 Video MCU

- Embedded Platform & Rack Type
- High-End 64bit RISC Embedded Processor
- Two(2)Independent Fast Ethernet Interface
- Two (2) Module Slot for MCU and Network Card
- Programmable High-End DSP based MCU Module
- H.263, MPEG-4, etc, Video Codec
- G.711, G.726, etc
- Audio and Video Mixing
- Support Various Type of Conference Model and System
- View Configuration



AP-VR2000 Video Service Router

- **64bit RISC Microprocessor Computing Power**

- **Main Chassis**

- **Network Interface**

- Two(2) 10/100Mbps Fast Ethernet
 - One(1) RS-232C Console (RJ45)



- **Video Codec Modules (Ex:AP-AV1000)**

- **Powerful Video Interface**

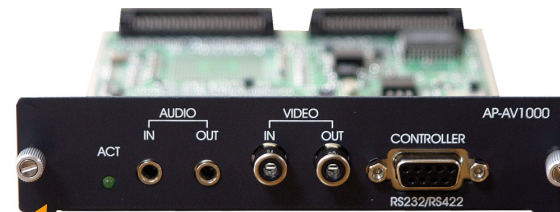
- RCA/BNC Video Input/Output

- **High quality Audio and Voice Interface**

- Stereo Audio Input Connector
 - Stereo Audio Output Connector

- **Network Interface**

- One(1) RS-232C/RS-422 Interface for Camera Control



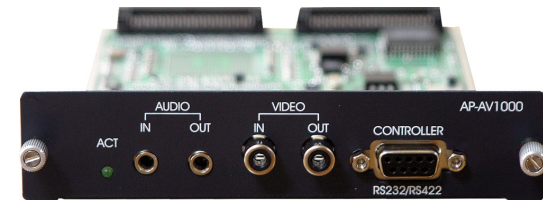
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Two(2) Fast Ethernet

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AP-VR1000 Video Service Router

- **64bit RISC Microprocessor Computing Power**
- **Main Chassis**
 - **Network Interface**
 - Two(2) 10/100Mbps Fast Ethernet
 - One(1) RS-232C Console (RJ45)
- **Various Video Modules (AV Modules, Monitor IN/OUT Module, etc)**
- **High Quality Images up to 64kbps and 2Mbps**
- **High-performance Audio & Video Codec Support**
 - H.263, MPEG-4, and H.264 Video Codec
 - Line IN/OUT : G.726, G.711 Codec
- **Up to 30 frame/sec, 640 x 480(VGA) Resolution**
- **IP based Network Protocol Support**



AP-VP300 Video Phone

- **7 Inch LCD Display, Touch Screen**
- **External Video Interface**
 - Composite (RCA) Video In/Out, S-Video Out
 - Audio (RCA) In/Out
- **High-performance Video Codec Support**
 - H.263, MPEG-4, JPEG, and H.264
- **Powerful Image Resolution Support**
 - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- **Up to 30fps at 1Mbps with VGA-Resolution(MPEG-4)**
- **Video Conference Call Support (AddPac MCU Inter-working)**
- **SIP, H.323 Signaling Support**
- **Rate Control for Video Traffic QoS**
 - Ensuring Optimized Quality
 - Frame Rate with Limited Bandwidth
- **High-end Error Resilient Against Various Packet Error**



AP-VG700 Video Gateway

64bit
CPU

High-end
DSP

- **64bit RISC Microprocessor Computing Power**
- **Built-in High-end Programmable DSP Hardware Architecture**
- **Powerful Video Interface**
 - RCA Video Input/Output, S-Video Input/Output
- **High quality Audio and Voice Interface**
 - Stereo Audio Input Connector
 - Stereo Audio Output Connector
 - 5.1 Channel Audio Output Connector
- **Network Interface**
 - Two(2) 10/100Mbps Fast Ethernet
 - One(1) RS-232C Console
 - One(1) USB 2.0 Interface for HDD, CF File System



AP-VLPP Video Lecture Provision Platform

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