



AP-VC200 IP Video Conference Equipment

AddPac AP-VC200 video conference equipment delivers a new and powerful IP based video communication by simply connecting televisions, and ordinary telephones. Designed on firmware upgradeable, high-performance DSP, AP-VC200 equipped with the latest audio/video codec, AV In/Out interfaces realizing complete Internet video telephony, video conferencing, VoD (video on demanding) applications and AV broadcasting system in one platform. This device provides built-in internal video camera for cost effective video communication applications.

AP-VC200 offers IP based video communication service by connecting televisions and telephones, so the customers enable to enjoy this cutting-edge technology with low investment. Moreover, it is capable of offering various sizes of video displays by connecting projectors and high definition television such as HDTV which overcomes the display limitations of IP video phones. AP-VC200 provides RCA, S-Video, and Component (480P, 720P) connectors. In case of MPEG-4, AP-VC200 supports max. 30 frames of VGA(640x480) images which is considered promising for the high quality video application. The component video output interface of AP-VC200 supports the 480P, 720P(1280x720) HD video display. In this HD display mode of AP-VC200, VGA level video image from remote site can be display at HDTV without video downscale. User can enjoy the HD level video quality at conversation view mode.

Main Features

- AP-VC200 is a high-end video conference equipment that allows you to build a multimedia system in order to integrate voice, audio, and data based on video communications.
- Ensures high video quality bi-directionally by processing VGA-level video by 30 frames per second. (Supports both video encoding and decoding.)
- Supports the state-of-art codec algorithm for voice and audio services as well as video codecs such as H.263, MPEG-4, and H.264.
- Ensures the best voice quality on a regular IP-based Internet network that provides an asymmetrical bandwidth.
- Provides various video output interfaces for easy physical interfacing with external equipments. (RCA, S-Video, YPbPr Component)
- Provides the Internal Camera, Speaker in addition to external MIC and Speaker Interface
- Provides FXS Internet phone (VoIP) services including FXO PSTN backup (e.g. H.323, SIP dual stack).
- Provides the USB Interface for Wireless LAN, USB Memory, etc
- Equipped with an advanced RISC embedded microprocessor and programmable DSP hardware chipset for easy system upgrade
- Supports document sharing and remote PC control.
- Supports On-Screen Display (OSD) for fast operation settings.
- Easy OSD control and environment control by operating the menu keys
- Allows you to enable settings by operating touch screen and ensures convenient device control.
- Allows you to set up configuration and your network environment by operating the remote control. Ensures easy local and remote control and operation for VoD and IPTV services.
- Provides the EMS solution for network maintenance and administration.
- Ensures extensibility, reliability, and authenticity since the APOS inter-networking software of AddPac is installed.

AP-VC200 Applications

- Video conferencing system
- IP voice/video broadcasting system
- Remote training, medical treatment, and surveillance systems
- Video on Demand (VOD) system

Hardware Specification

- Microprocessor (CPU) and DSP
 - Dual Processor Architecture
 - RISC microprocessor with Audio DSP
 - High performance programmable DSP for Video Signal Processing
- Memory
 - Boot Memory 512Kbyte Flash Memory
 - System Memory 8Mbyte Flash Memory
 - Main Memory 64Mbyte High-Speed SDRAM
- Video Interface
 - RCA Video 1-port output
 - S-Video 1-port output
 - Component 1-port YPbPr Output (480P, 720P)
- Audio Interface
 - Audio Input 1-port 20mm stereo jack
 - Audio Output 1-port 20mm stereo jack
- VoIP Interface
 - PSTN 1-port FXO (RJ11)
 - Analog Phone 1-Port FXS (RJ11)
- Ethernet Interface
 - 10/100 Mbps 2-port Ethernet (RJ-45)
- USB Interface
 - USB 1.1 Host Mode
- Console Port
 - RS-232C 1-port console (RJ-45)
- Internal CCD Camera : 4M Pixel
- Internal Speaker

Power & Operation Environments

- Power Source: External AC/DC power adapter
- Power Consumption: 5V, 5A
- Operation Temperature: 0°C ~ +45°C
- Storage Temperature: -40°C ~ +85°C
- Humidity: 5% ~ 95%

Hardware Specification

- Size (Width X Height X Depth): 260 x44.5 x147
- Weight: 1.2 Kg
- Material: High-strength ABS chassis

Video and Multimedia Services

- Various video interface standards
- Advanced features for Multimedia over IP (MMoIP)
 - Video Codec: H.263, MPEG-4, JPEG, H.264
- Supported Bandwidth: 64Kbps ~ 2Mbps (Control enable)
- Frame Rate: 30 frames (Control enable)
- High-Resolution Support: QCIF(176x144), CIF (352x288), QVGA(320x240), VGA(640x480)
- QoS for video traffic control
- Asymmetrical video transmission service and decoder
- Document sharing and remote PC control

OSD Services

- On-Screen Display (OSD) software
- Screen split, operation settings, bandwidth settings, and IP settings
- Network environment setting, local and remote control
- Easy settings and operation through the control of the menu keys, touch screen, and

Voice over IP Services

- H.323, SIP VoIP signaling protocol
- VAD, DTMF, CNG, G.168, T.38 FAX relay
- H.323 gateway and gatekeeper
- Voice Codecs: G.723, G.729, G.726, G.711
- PSTN backup FXO voice interface: Optional
- Various supplementary VoIP features
- Inter-compatibility with commercial VoIP gateways
- Inter-compatibility with commercial VoIP gateways and the SIP proxy server

Application Services

- VoD
- Network surveillance
- IPTV

Network Protocol and Services

- IPv4/IPv6 protocol
- Data, voice, video, and security
- Industry standard IP network protocol

WAN Protocol

- Broadband IP network environment
- PPPoE and HDLC
- Industry standard WAN network protocol

Network Administration and Operation

- Standard SNMP agent (MIB v2)
- Management features based on Console, Telnet, and Web
- Remote download using FTP/TFTP

Traffic QoS Control

- Traffic QoS control for each service
- Controls the priority setting of voice, data, and video
- Various QoS algorithm supported

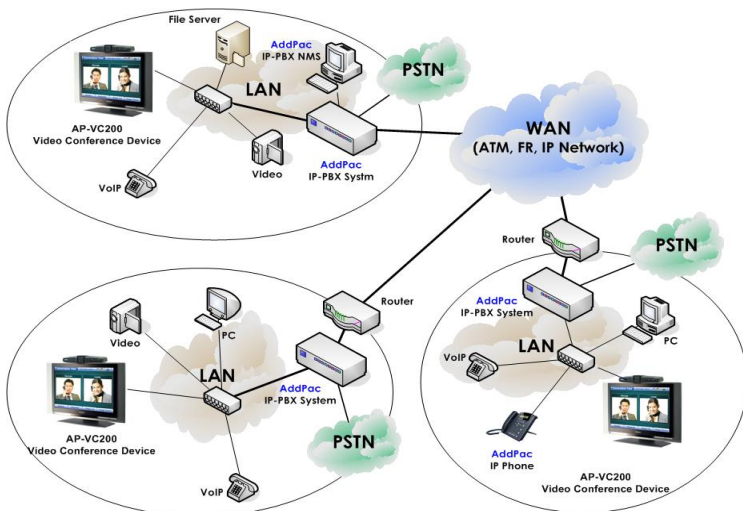
Data Protection

- IP packet filtering and Access List
- Access Control and Data Protections
- Enable/Disable for Specific Protocols
- Multi-level User Account Management
- Auto-disconnect for Telnet/Console Sessions
- PPP User Authentication Support
 - Password Authentication Protocol (PAP)
 - Challenge Handshake Authentication Protocol (CHAP)

Other Supplementary Services

- DHCP server and relay

Network Configuration



Ordering Information

- AP-VC200 IP Video Conference Device
- AP-REMOCON Remote Control
- CAB-LAN Ethernet Cable
- CAB-CON RS-232C Console Cable
- Video Cable Video Cable for connecting TV