



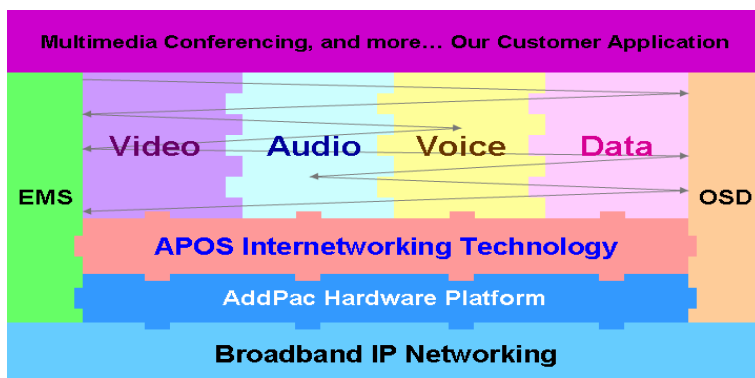
## AP-VP120 IP Video Phone

AP-VP120 IP video phone is designed to deliver high quality video telephony service over IP network. This new video phone delivers the various IP communication solution, taking a full advantage of new 'all-in-one concept' with voice, audio and video application integrated. It provides not only cutting-edge features such as AV in/out interfaces, QoS functions, public IP sharing but also a wide range of multiple VoIP signaling such as SIP, H.323 protocols and H.263, MPEG4, H.264 video codecs.

Designed on the foundation of AddPac's field proven voice/video processing technology, this high performance and versatile IP video phone provides unmatched clear video with high resolution wide 4.3 inch WQVGA(480x272) LCD panel. It also ensures the optimal video quality with consistency by leveraging 'rate control' for limited bandwidth and high end 'resilience' for packet errors. AP-VP120 realized state-of-the-art service quality, supporting max 30 fps of VGA(640x480) in case of MPEG4 video codec. Local display support WQVGA image format.

Not only IP communication, AP-VP120 is an integrated, feature-rich network equipments delivering routing, NAT/PAT, DHCP server/relay, public IP sharing, PPTP Tunneling for private IP and QoS. In today's mixed network of xDSL, Cable, FTTH, Metro Ethernet, Lease line and dynamic IP environment, not only the ample network service features, but also high-end QoS and security features are requested. Based on two 10/100Mbps Fast Ethernet ports, AP-VP120 offers integrated network and security service of LAN-to-LAN routing, bridge and NAT/PAT.

AP-VP120's network protocol delivers the enhanced multimedia solution on the IP based broadband networking environment to implement the optimal integration of the solutions. Integrated with AddPac's various solutions, AP-VP120 IP video phone provides diverse IP communication services such as VoD, IP multimedia broadcasting, multipoint video conferencing as well as a full suit of IP video telephony functionality. Thus, customers can best optimize their network environment to maximize benefit from convergence of multimedia communication.



## APOS Internetworking Software

APOS™(AddPac Internetworking Operating System) is AddPac's unique software which supports data, voice, video and security. It provides scalability, reliability, stability and QoS for internetworking solutions. It also provides optimized performance and industry standard network functionality with easy-to-use, easy-to-installation and maintenance.

## Product Highlights

- New 'All-In-One' Concept with Video, Voice, Audio, Data Integrated for Complete Multimedia Communication System
- Unmatched Video Quality for Interactive Communication in 30 fps of VGA(640x480), Supporting Both Encoding and Decoding
- LCD Display : Up to WQVGA(480x272) Display Format
- Optimal Video Quality Avoiding Bandwidth Loss On Asymmetric Network
- Various Video In/Out Interfaces for a Wide Range of External Devices
- IPv4/IPv6 Dual Stack Support
- Easy System Firmware Upgrade On the Basis of High Performance Embedded RISC CPU and Programmable DSP Chipset
- Two(2) 10/100Mbps Fast Ethernet Support
- Support the Latest Codec Algorithms Such As H.263, MPEG-4, H.264 for High Quality Video/Voice/Audio
- G.711,G.729,G.723.1, etc Voice Codec.
- OSD (On Screen Display) for Quick and Easy Setup
- Easy-To-Use Hot Function Keys
- Remocon (option) for VoD service, IP Multimedia Broadcasting Service Operation, General and Network Management, Local/Remote Site Control
- EMS Solution for Network Maintenance
- APOS Guarantees Scalability, Reliability, Stability

## AP-VP120 Applications

- Video Conferencing System
- IP Voice/Video Broadcasting System
- VOD (Video on Demand) System
- Video Based IP-PBX Solution
- IP Based Multimedia Solution

## Hardware Specification

- Micro processor (CPU) and DSP
  - Dual Processor Architecture
  - RISC Microprocessor + Audio DSP
  - High Performance Video DSP
- System Memory
  - Flash memory 8Mbyte Flash Memory
  - Main memory 64Mbyte SDRAM
- Video Interface
  - RCA Video 1-port In & Out
  - S-Video 1-port Out
- Audio Interface
  - Audio In 1-port 20mm Stereo Jack
  - Audio Out 1-port 20mm Stereo Jack
- Ethernet Interface
  - 10/100Mbps two(2)-port Ethernet (RJ-45)
- USB Interface
  - USB 1.1 Host Mode Interface for Wifi, USB HDD, Keyboard, Mouse
- Video Camera
  - High Quality Built-in CMOS Camera

## Power & Operational environment

- Power 110~220V AC/DC External Power Adaptor 5V, 3A
- Temperature 0°C~+45°C (operating)
- Temperature -40°C~+85°C (storage)
- Humidity 5%~95% (Non-condensing)

## Dimensions

- D x W x H : 230(mm) x215(mm) x185(mm)
- Weight : 1.2 Kg
- Material : High-Solidity ABS Chassis

## Video & Multimedia Service

- Various Video Interfaces
- MMoIP (Multimedia over IP) Features
  - Video Codec
    - H.263, MPEG-4, JPEG, H.264
  - Bandwidth : 64Kbps ~ 2Mbps (Configurable)
  - Frame Rate : up to 30 fps (Configurable)
  - High Resolution : QCIF(176x144), CIF (352x288), QVGA(320x240), VGA(640x480)
  - Local Display : WQVGA(480x272) image format
  - QoS for Video Traffic Control
  - Asynchronous Video Transferring Service
  - Interoperable with Diverse IP Codec Products

## OSD Service

- On-screen Display (OSD) Software
- Screen Layout, Operation setting, Bandwidth, IP configuring etc
- Network Environment Setup, Local/Remote Control

## Voice over IP Service

- H.323, SIP VoIP Signaling Protocol
- VAD, DTMF, CNG, G.168
- H.323 Gateway & Gatekeeper Support
- Voice Codec : G.723, G.729, G.726, G.711, etc
- Interoperable with Diverse VoIP Terminal
- Interoperable with Diverse VoIP Gatekeeper, SIP Proxy.

## Application Service

- VoD Service
- IP Multimedia Broadcasting Service

## Network Protocol & Service

- Data, Voice, Video and Security Support
- Standard Compliant IP Network Protocol

## WAN Protocol

- Broadband IP Network Support
- PPPoE, etc
- Standard Compliant WAN Network Protocol

## Network Management

- Standard SNMP Agent (MIB v2) Support
- Console, Telnet, Web Based Management
- Remote Download via FTP/TFTP

## Traffic QoS Control

- Traffic QoS Control Feature For Services
- Voice, Data, Video Prioritizing Control
- Various QoS Algorithm Support

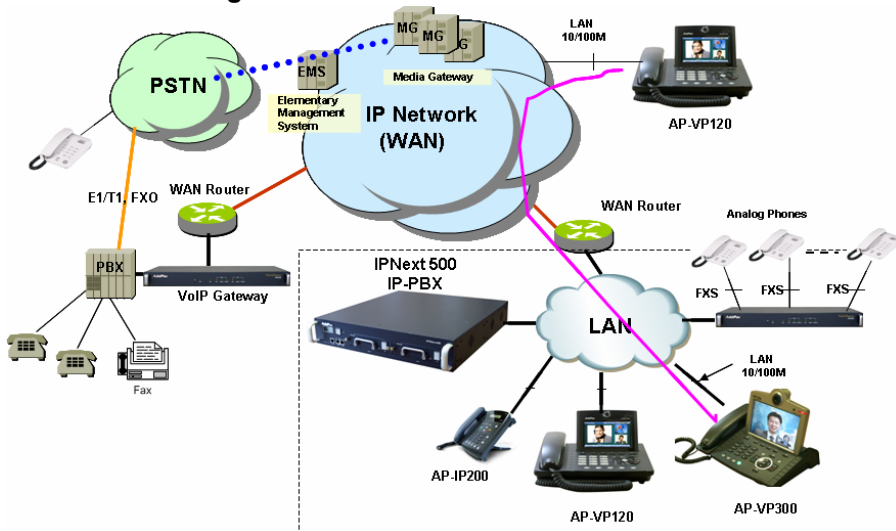
## Security Feature

- IP Packet Filtering / 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 Feature

- DHCP Server & Relay Functions
- PPTP Tunneling

## AP-VP120 Network Diagram



## Ordering Information

- AP-VP120 IP Video Phone
- CAB-LAN Ethernet Cable