



AP-VP300 IP VideoPhone

AddPac Technology AP-VP300 IP video phone is designed to deliver high quality video telephony service over IP network. This new and potent 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 "7" inch 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-VP300 realized state-of-the-art service quality, supporting max 30 fps of VGA(640×480).

AP-VP300'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-VP300 IP video phone provides diverse IP communication services such as VoD, IPTV, network surveillance, 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.

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(640×480), Supporting Both Encoding and Decoding
- Optimal Video Quality Avoiding Bandwidth Loss On Asymmetric Network
- Various Video In/Out Interfaces for a Wide Range of External Devices
- Internet Telephony Service Including PSTN FXO Backup (H.323, SIP Dual Stack)
- Easy System Firmware Upgrade On the Basis of High Performance Embedded RISC CPU and Programmable DSP Chipset
- Support the Latest Codec Algorithms Such As H.263, MPEG-4, H.264* for High Quality Video/Voice/Audio
- OSD (On Screen Display) for Quick and Easy Setup
- Easy-To-Use Hot Function Keys
- Powerful OSD Control Through Menu Keys, Touch Screen, Remocon
- Enhanced Touch Screen Operating for Configuration and Management
- Remocon for VoD service, IPTV Service Operation, General and Network Management, Local/Remote Site Control
- EMS Solution for Network Maintenance
- APOS Guarantees Scalability, Reliability, Stability

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.

AP-VP300 Applications

- Video Conferencing System
- IP Voice/Video Broadcasting System
- Education/Health Care/Surveillance System
- VOD (Video on Demand) System
- Network DVR System
- Video Based IP-PBX Solution
- IP Based Multimedia Solution

Hardware Specification

- Micro processor(CPU) and DSP
 - Dual Processor Architecture
 - RISC Microprocessor
 - High Performance Programmable DSP
- Memory
 - Boot memory 512Kbyte Flash Memory
 - System 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
- VoIP Interface
 - PSTN backup 1-port FXO(RJ-11,Option)
- Ethernet Interface
 - 10/100Mbps 2-port Ethernet(RJ-45)
- Console
 - RS-232C 1-port Console(RJ-45)

Power & Operational environment

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

Dimensions

- D x W x H : 283x220x210
- Weight : 1.5 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 ~ 4Mbps (Configurable)
- Frame Rate : up to 30 fps (Configurable)
- High Resolution : QCIF(176x144), CIF (352x288), QVGA(320x240), VGA(640x480)
- 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, T.38 FAX Relay
- H.323 Gateway & Gatekeeper Support
- Voice Codec : G.723, G.729, G.726, G.711
- PSTN Backup FXO Voice Interface Support (Optional)
- Various VoIP Features
- Interoperable with Diverse VoIP Gateways
- Interoperable with Diverse VoIP Gatekeeper, SIP Proxy, MGCC

Application Service

- VoD Service
- Network Surveillance Service
- IPTV Service

Network Protocol & Service

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

WAN Protocol

- Broadband IP Network Support
- PPPoE, HDLC 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

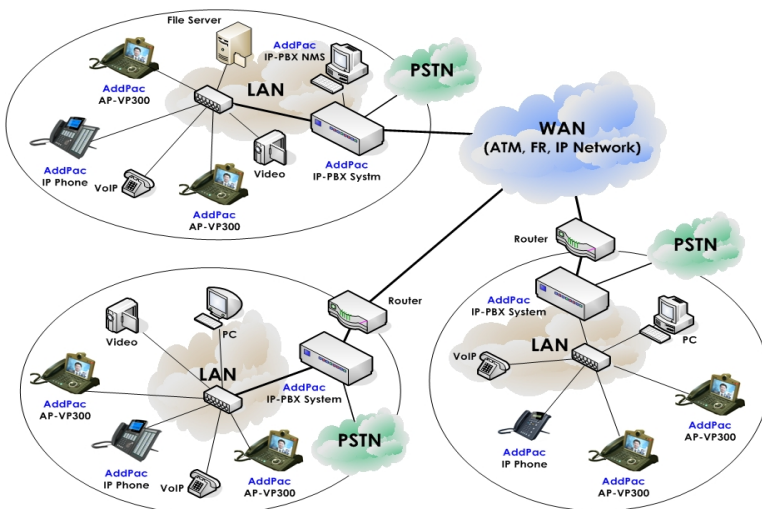
Security Feature

- 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

AP-VP300 Network Diagram



Ordering Information

- AP-VP300 Video Phone
- AP-REMOCON Remocon
- CAB-LAN Ethernet Cable
- CAB-CON RS-232C Console Cable
- Video Cable For External Video Device