



AP-VP700 High Definition IP Video Phone

AP-VP700 is a 12.1 inch HD IP video conference phone that allows you to make high quality and high resolution video communications by using the Internet. This product supports video conference, video phone, and aid to communication access for the disabled optimally through the latest audio/video codecs and a variety of AV I/O interfaces. AP-VP700 has better video features since it ensures 720P high definition video due to a high-quality "12.1 Inch LCD display, H.264 HD video codec and HD camera sensor. The criteria of choosing a video conference phone are high quality audio, video and high definition screen.

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. In case of H.264, AP-VP700 supports max. 30 frames of 720P (1280x720) images which is considered promising for the high quality video application.

AP-VP700 is a high-performance multi-functional IP video phone where the state-of-the-art video processing technology is added to the voice processing technologies developed by AddPac in the multimedia IP telephony field. AP-VP700 has better video features since it ensures 720P high definition video and you can enjoy a large screen connected to the external monitor. Since AP-VP700 supports networks of 128 Kbps to 4Mbps, it is available at any Internet-enabled place. Above all, AP-VP700 ensures the best video quality due to the 'rate control' function that ensures the best video quality and frame rate at a limited bandwidth and the high-end error resilience technology for troubleshooting various packet failures on the Internet.

Not only IP communication, AP-VP700 is an integrated, feature-rich network equipment delivering routing, NAT/PAT, DHCP server/relay, 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. AP-VP700'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-VP700 HD IP video phone provides diverse IP communication services such as 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.

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 HD(1280x720), Supporting Both Encoding and Decoding
- LCD Display : 12.1Inch 720P HD Display Format
- RS232C Console Interface for CLI, External Camera PTZ
- USB Host Mode Interface for USB Wifi, etc
- Optimal Video Quality Avoiding Bandwidth Loss On Asymmetric Network
- Various Video In/Out Interfaces for a Wide Range of External Devices
- Easy System Firmware Upgrade On the Basis of High Performance Embedded RISC CPU and Multiple Programmable DSP Chipset
- Two(2) 10/100/1000Mbps Gigabit Ethernet Support
- H.323, SIP Dual Concurrent VoIP Signaling Stack
- 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
- Language : Chinese, Russia, English, etc
- Easy-To-Use Hot Function Keys
- Smart NMS Solution for Network Maintenance
- APOS Guarantees Scalability, Reliability, Stability

AP-VP700 Applications

- HD Video Conferencing Service
- HD Video Phone Service
- IP Phone Service
- IP Multimedia Telephony Service

Hardware Specification

- Micro processor (CPU) and DSP
 - High Performance Video DSPs
- System Memory
 - Flash memory 512Mbyte NAND Memory
 - Main memory 128Mbyte DDR2
- Video Interface
 - RCA Video 1-Port In & 1-Port Out
 - HDMI 1-Port in & 1-Port Out
- Audio Interface
 - Audio In 1-port 20mm Stereo Jack
 - Audio Out 1-port 20mm Stereo Jack
- Ethernet Interface
 - 10/100/1000Mbps Two(2)-port Gigabit Ethernet(RJ-45)
- USB Interface
 - USB Host Mode Interface for Wifi Module, etc
- RS232C Interface (RJ45)
 - CLI , External Camera PTZ
- LCD Monitor
 - 12.1 Inch HD(720P) LCD Display
- Video Camera
 - High Quality Built-in HD Camera

Power & Operational environment

- Adaptor AC/DC Power Adaptor
- Power 12V 3.4A
- Temperature 0°C~+45°C (operating)
- Temperature -40°C~+85°C (storage)
- Humidity 5%~95% (Non-condensing)

Dimensions

- H x W x D (mm) : 290mm x 330mm x 400mm
- Weight : 5 Kg
- Material : High-Solidity ABS Chassis

Video & Multimedia Service

- Various Video Interfaces
- MMoIP (Multimedia over IP) Features
- Video Codec
 - H.264, MPEG4, H.263
- Bandwidth : 64Kbps ~ 4Mbps (Configurable)
- Frame Rate : up to 30 fps (Configurable)
- High Resolution : QCIF(176x144), CIF (352x288), QVGA(320x240), VGA(640x480), HD (1280x720)
- QoS for Video Traffic Control
- Asynchronous Video Transferring Service
- Interoperable with Diverse IP Codec Prod-

OSD Service

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

Voice over IP Service

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

Application 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

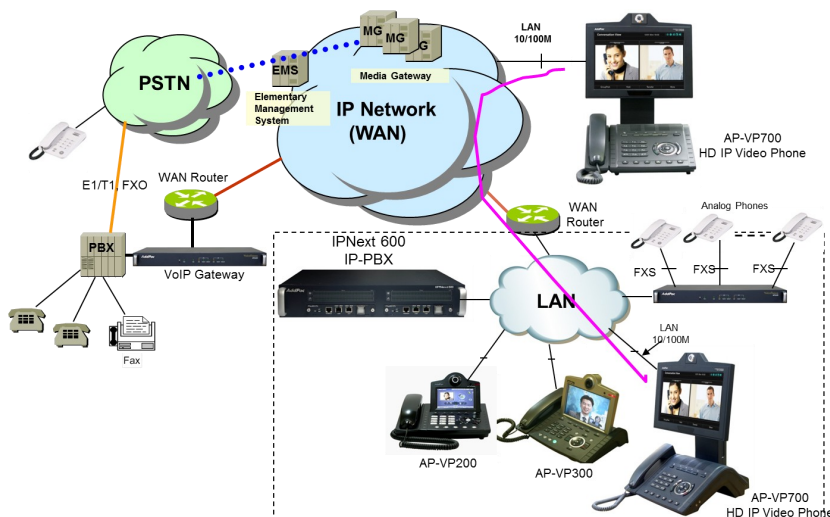
Security Feature

- 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-VP700 Network Diagram



Ordering Information

- AP-VP700 HD IP Video Phone
- CAB-LAN Ethernet Cable
- CAB-CON RS-232C Console Cable

