



AP-VP300G IP Video Phone

High Performance IP Video Terminal Solution

Product Overview



AddPac

AddPac Technology

Sales and Marketing

www.addpac.com

High Quality, High Resolution

AP-VP300G IP Video Phone



High Quality, High Resolution

AP-VP280G IP Video Phone

Full HDTV



Contents

AP-VP300G IP Video Phone

- Product Overview
- Benefits and Features
- Hardware Specification
- Multimedia Service
- Software Service
- Video Service & Features
- Audio & Voice Service and Features
- Network Service and Features
- Application Area
- Ordering Information

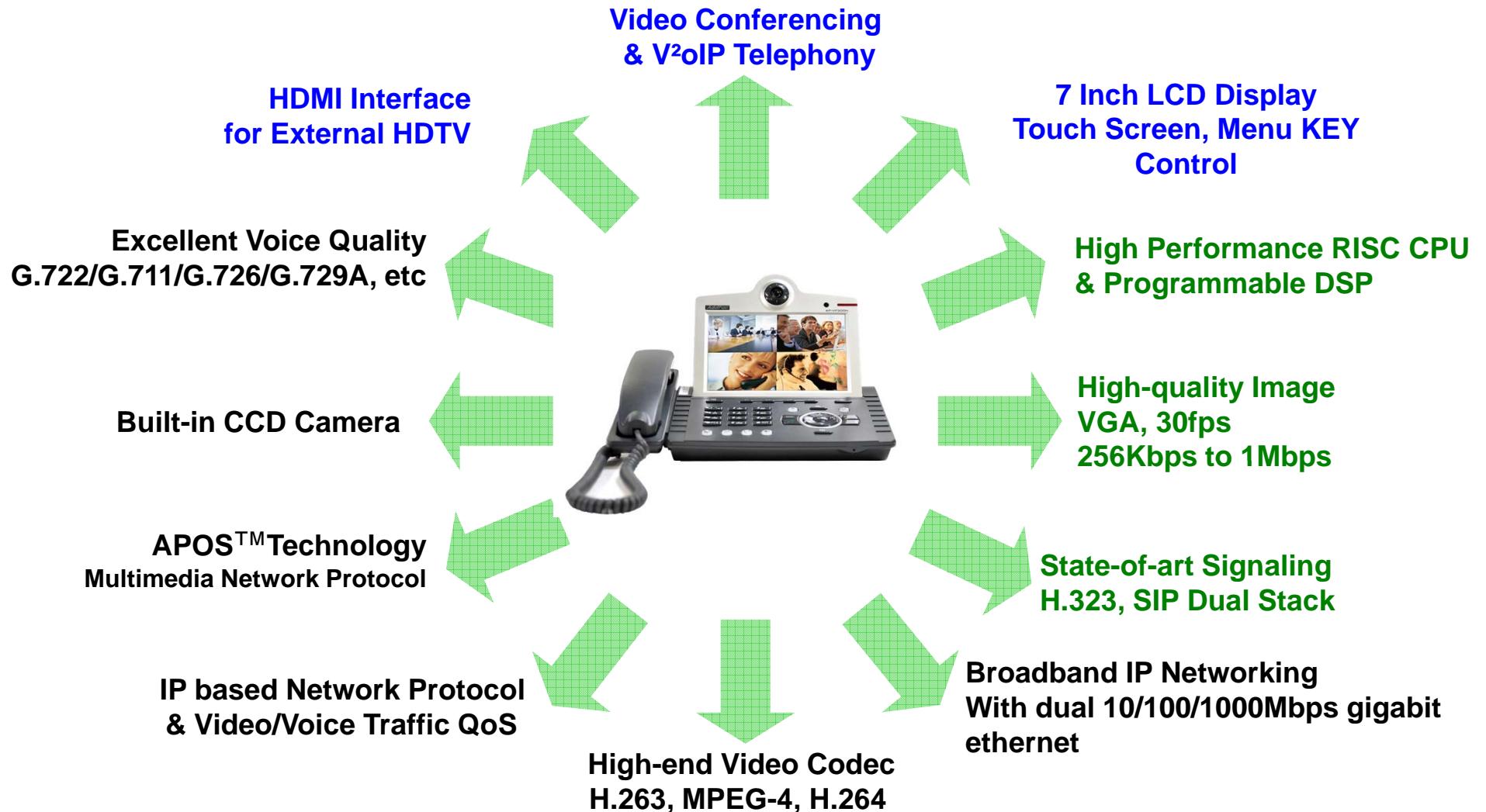
Product Overview

AP-VP300G HD IP Video Phone

- IP based Video Phone Solution
- High-Quality Video, Audio, and Voice Service
- High Performance Programmable Video DSP
- Video Telephony and Videoconferencing Service Features
- Built-In CCD Camera, Touch Screen LCD Control
- H.323 and SIP Dual VoIP Signaling Protocols
- H.264/H.263/MPEG4 Video Codec Support
- Two(2) 10/100/1000Mbps Gigabit Ethernet
- HDMI Interface for External HDTV
- Various Call Scenario Support
- Call Status Monitoring Support
- TLS/SRTP Security Protocol Support (AES, etc) : Option
- XML Browser Support
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Product Highlights

AP-VP300G IP Video Phone



Multimedia Service

AP-VP300G IP Video Phone



- APOS : AddPac Internetworking Operating System
- OSD : On- Screen Display
- EMS : Element Management System

Benefits and Features

AP-VP300G IP Video Phone

- **7 Inch LCD Display, Built-in CCD Camera**
- **External Video Interface**
 - HDMI Video Out, Composite (RCA) Video In/Out, Audio (RCA) In/Out
- **High-performance Video Codec Support**
 - H.263, MPEG-4, and H.264
- **Powerful Image Resolution Support**
 - QCIF(176x144), CIF(352x288), QVGA(320x240), VGA(640x480)
- **Up to 30fps with VGA-Resolution for Internal LCD, Built-In Camera**
- **HDMI Output Interface for External HD TV**
- **Video Conference Call Support (AddPac External 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**

Hardware Specification

AP-VP300G IP Video Phone

High-end
DSP

- **High-end Programmable DSP Hardware Architecture**
- **Video Input Interface**
 - RCA Video Input
- **Video Output Interface**
 - RCA Video Output, HDMI Video Output
- **High quality Audio and Voice Interface**
 - Stereo Audio Input & Output Connector
- **Network Interface**
 - Two(2) 10/100/1000Mbps Gigabit Ethernet
 - One(1) RS-232C Console
 - One(1) USB Interface
- **Power Supply**
 - External Power Adaptor
 - PoE (Power over Ethernet) : Option

Hardware Specification

AP-VP300G IP Video Phone

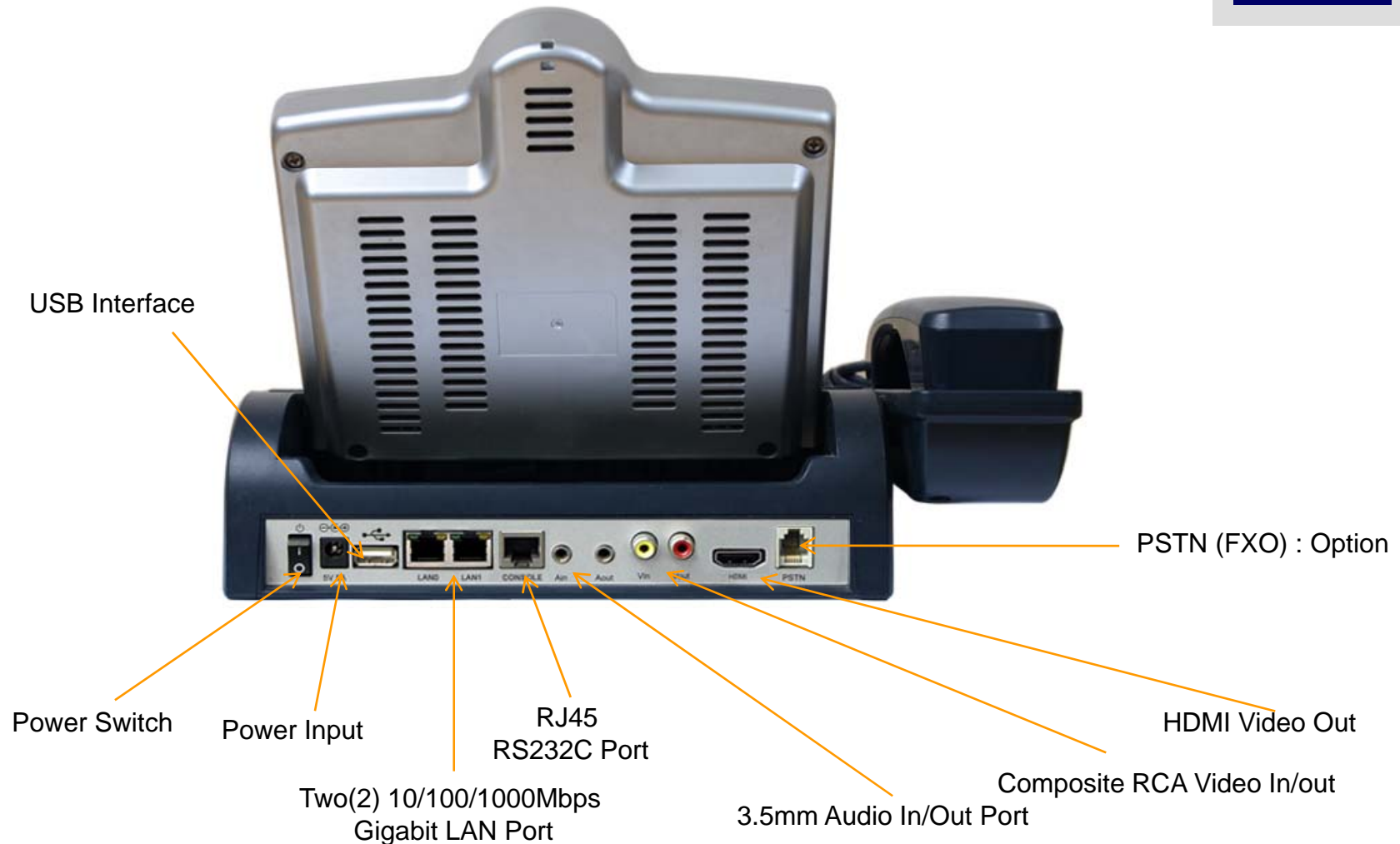
High-end
DSP



Hardware Specification

AP-VP300G IP Video Phone

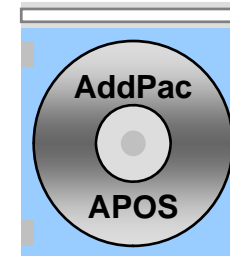
High-end
DSP



Software Service

AP-VP300G IP Video Phone

- **Built-in AddPac APOS Internetworking Software**
 - Scalability, Functionality, and Stability Features
 - Video Traffic QoS Control
- **Programmable Video, Audio, and Voice Services**
 - Video Codes, Audio, and Voice Codec
- **Firmware Upgradeable DSP Architecture**
- **OSD (On-screen Display) Function Support**
- **Industry Standard IP based Network Protocol Features**



Video Service and Features

AP-VP300G IP Video Phone

- **Various Video Networking Interface**
 - Composite (RCA) for Analog, HDMI for HD Video Display
- **High-performance Video Codec Support**
 - H.263, MPEG-4, and H.264
- **Powerful Image Resolution Support**
 - QCIF(176x144), CIF(352x288), QVGA(320x240),VGA(640x480)
- **Up to 30fps with VGA Resolution for Internal LCD, CCD Camera**
- **HDMI Output Interface for External HDTV**
- **256Kbps to 1Mbps Operating Video Traffic Bandwidth**
- **Rate Control for Video Traffic QoS**
 - Ensuring Optimized Quality
 - Frame Rate with Limited Bandwidth
- **High-end Error Resilient Against Various Packet Error**

Audio & Voice Service and Features

AP-VP300G IP Video Phone

- **Audio & Voice Networking Interface**
 - Audio Input/Output Port (2 x 3.5mm Stereo Female Connector)
- **VoIP based Signaling Protocol Support**
 - H.323, SIP Multiple Signaling Protocol Stack
 - H.323 Gateway, Gatekeeper Support
- **High-performance Audio & Voice Codec Support**
 - Line IN/OUT : G.726, G.711 Audio Codec, etc
- **Enhanced QoS Management Features for Voice Traffics**

Network Service and Features

AP-VP300G IP Video Phone

- **Basic Network Protocols**
 - ARP, IP, IPv6, TCP, UDP, ICMP, ICMPv6, SCTP, IGMP, MLD
- **Routing Protocol**
 - IPv4 : Static
 - IPv6 : Static
- **Service Protocol**
 - FTP, Telnet, TFTP, DHCP Server/Relay, SNMP Server
 - CDP (Cisco Discovery Protocol)
 - DNS Resolver , DDNS(nsupdate)
 - Bridge
 - Syslog
 - IP/IPv6 policy control (QoS)
 - VPDN (Virtual Private Dial-up Network : L2TP Server)

Network Service and Features

AP-VP300G IP Video Phone

- **IPv4/IPv6 Interworking**
 - NAT/PAT for IPv4
 - IP connect (formerly ip-share) and device cascade for IPv4
 - IP/IP, IP/GRE tunneling
 - NAT-PT
 - 6to4, Autoconfig tunneling
- **IPv4 Address Configuration**
 - Fixed (Static)
 - DHCP
 - PPPoE
- **IPv6 Address Configuration**
 - Fixed (Static)
 - EUI-64
 - Autoconfig (Neighbor Advertisement and Solicitation)

Network Service and Features

AP-VP300G IP Video Phone

- **Miscellaneous**
 - Cisco Style CLI
 - Standard & Extended IPv4/IPv6 Access List
 - Multi-level User Account Management
 - IP accounting
 - fsh (Embedded file system shell)
 - STUN Client

Network Service and Features

AP-VP300G IP Video Phone

- **SNMP MIBs**
 - MIB-II
 - RMON MIBs (Statistics, History, Alarm, Hosts Group)
 - RFC2465 Management Information Base for IP Version 6: Textual Conventions and General Group
 - RFC2466 Management Information Base for IP Version 6: ICMPv6 Group
 - RFC2452 IP Version 6 Management Information Base for the Transmission Control Protocol
 - RFC2454 IP Version 6 Management Information Base for the User Datagram Protocol
 - AddPac Enterprise MIBs
 - etc

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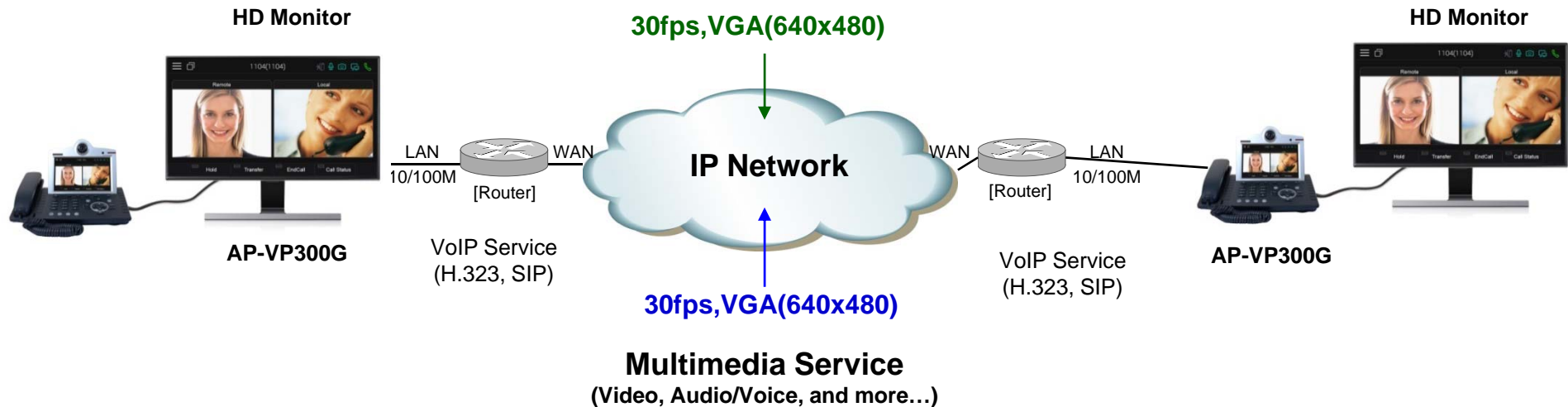
Application Area

- IP-PBX Video Terminal (SIP, H.323, etc)
- Audio/Video Real-time Broadcasting
- Video Telephony
- Video Conference

Video Telephony Application

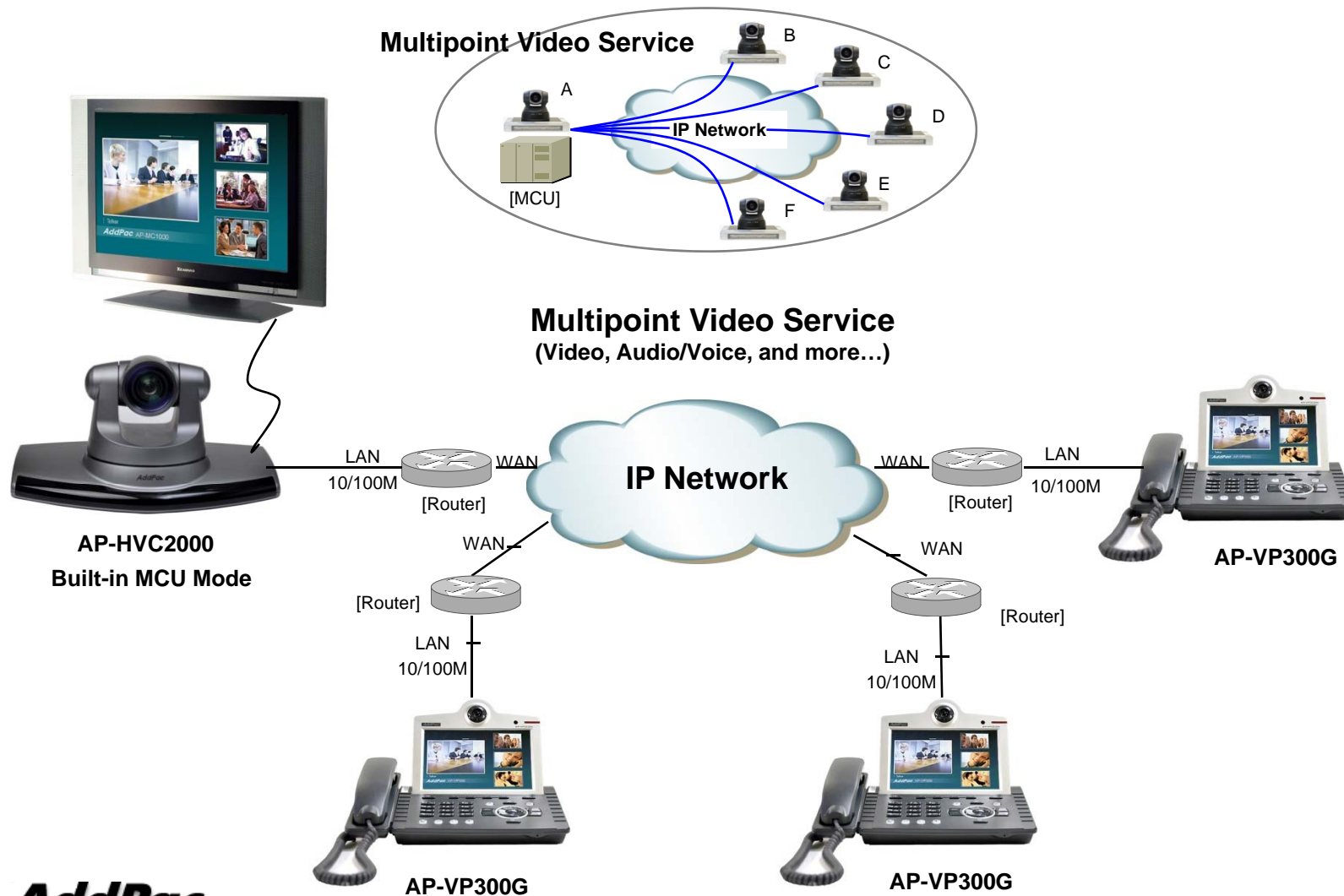
AP-VP300G IP Video Phone

Point-to-Point Video Service (symmetric video quality)



Video Conference

AP-VP300G IP Video Phone



Ordering Information

- **AP-VP300G IP Video Phone Hardware**
 - RISC Microprocessor with High-end Programmable DSP Architecture
 - 7 Inch LCD, Built In CCD Camera, Touch Screen
 - External Video RCA Input/Output, HDMI Video Output
 - 3.5mm Audio Input/Output
 - 2-ports 10/100/1000Mbps Gigabit Ethernet and 1-port RS-232C Console
 - Option : 1-Port FXO PSTN Interface
 - Option : PoE Interface
 - Option : USB Interface
 - Including Network Cable Set & Ext. Power Supply, etc.
- **Built-in APOS Internetworking Software for AP-VP300G**
- **Including 1 Year Hardware Warranty**
- **Product Documents**
 - Install and Operation Guide (PDF)
- **Pricing**
 - AddPac Technology Regional Sales Manager
 - Authorized Sales and Marketing Representatives
 - Please Contact www.addpac.com



Thank you!

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