



# AP-VP280G IP Video Phone

High Performance IP Video Terminal Solution



## Product Overview

**AddPac**

**AddPac Technology**

Sales and Marketing

[www.addpac.com](http://www.addpac.com)

# High Quality, High Resolution

AP-VP280G IP Video Phone



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# High Quality, High Resolution

AP-VP280G IP Video Phone

Full HDTV



HDMI Output

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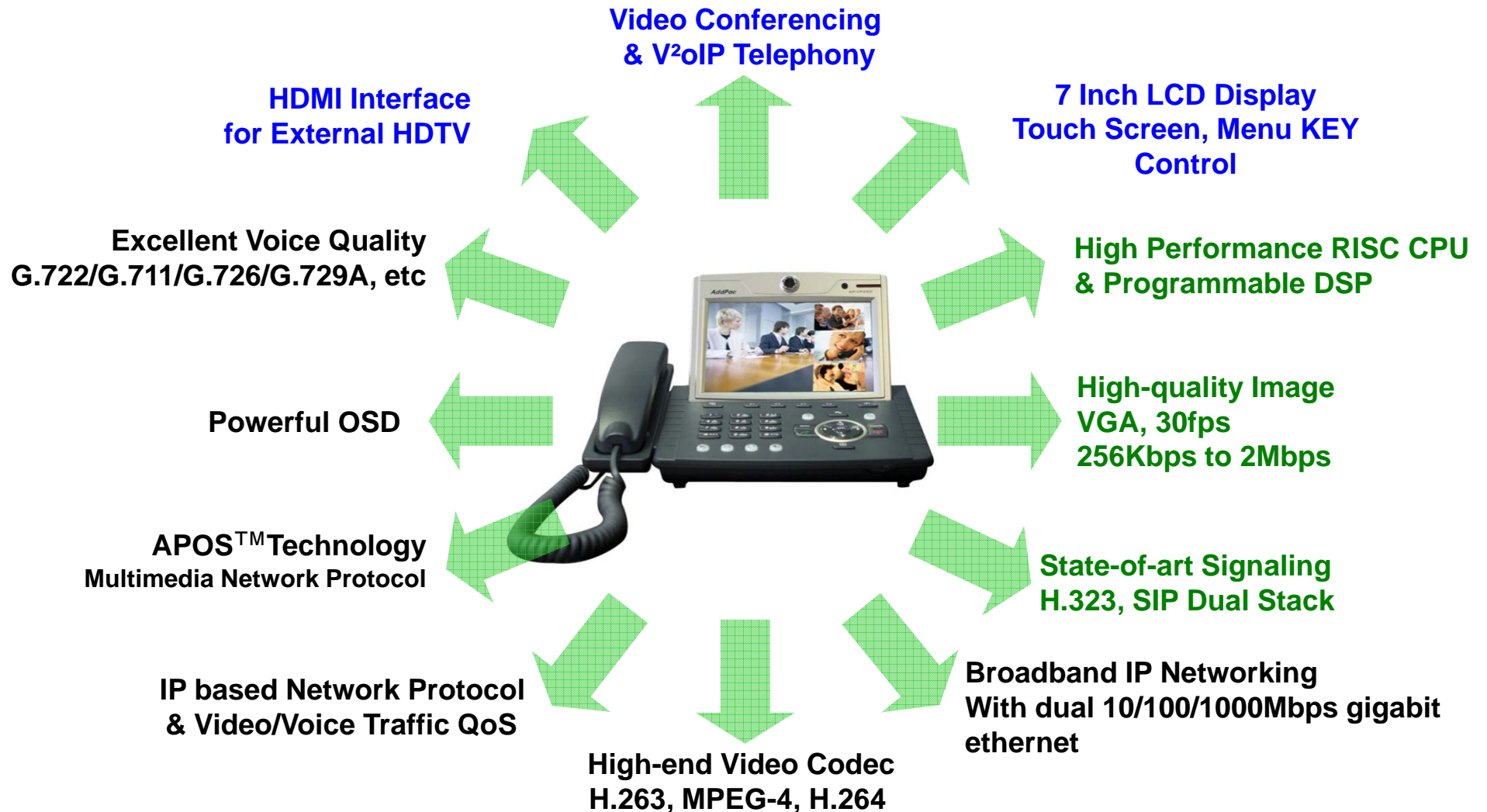
# Product Overview

## AP-VP230G 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
- 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
- XML Browser Support
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

# Product Highlights

AP-VP280G IP Video Phone



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# Multimedia Service

AP-VP280G IP Video Phone



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



# Benefits and Features

## AP-VP280G IP Video Phone

- **7 Inch LCD Display, Built-in CMOS 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-VP280G 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-VP280G IP Video Phone

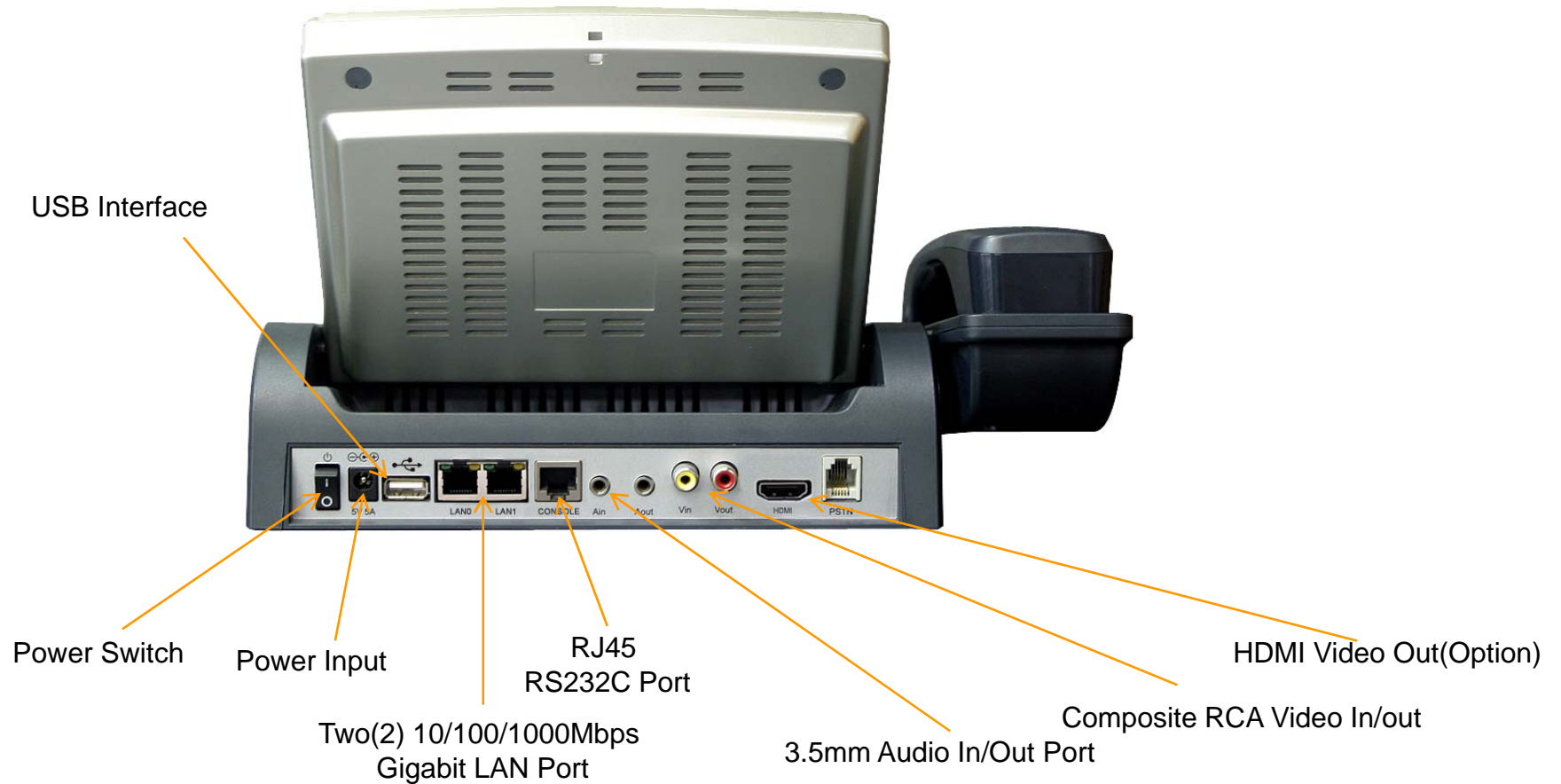
High-end  
DSP



# Hardware Specification

AP-VP280G IP Video Phone

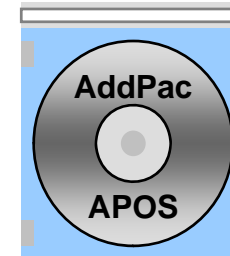
High-end  
**DSP**



# Software Service

AP-VP280G 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-VP280G IP Video Phone

- **Various Video Networking Interface**
  - Composite (RCA) for Analog, HDMI for HD Video Encoding/Decoding
- **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, Camera**
- **HDMI Output Interface for External HDTV**
- **256Kbps to 8Mbps 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-VP280G 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-VP280G 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-VP280G 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-VP280G 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-VP280G 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

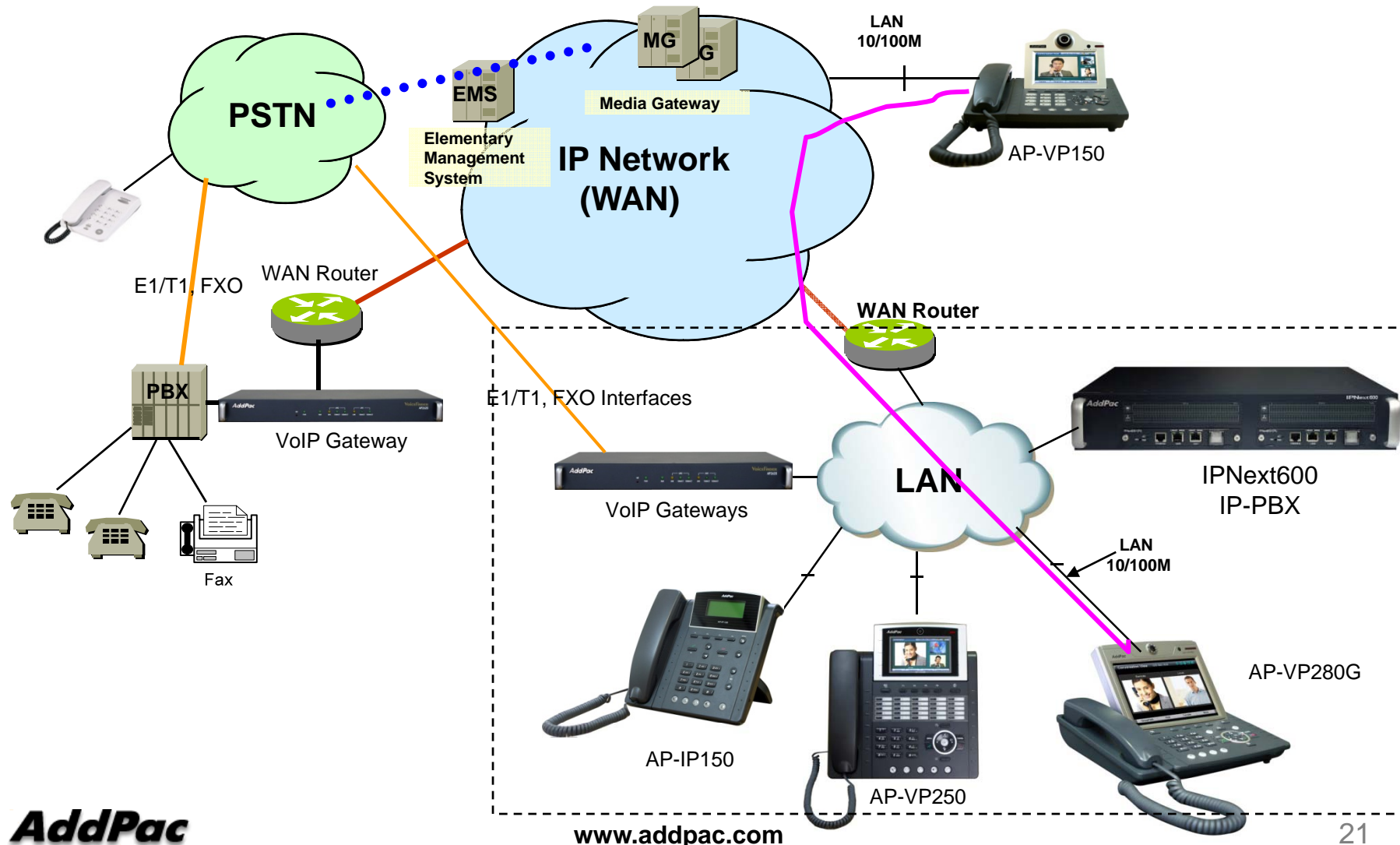
# AP-VP280G IP Video Phone

## Application Area

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

# Standard IP-PBX Application

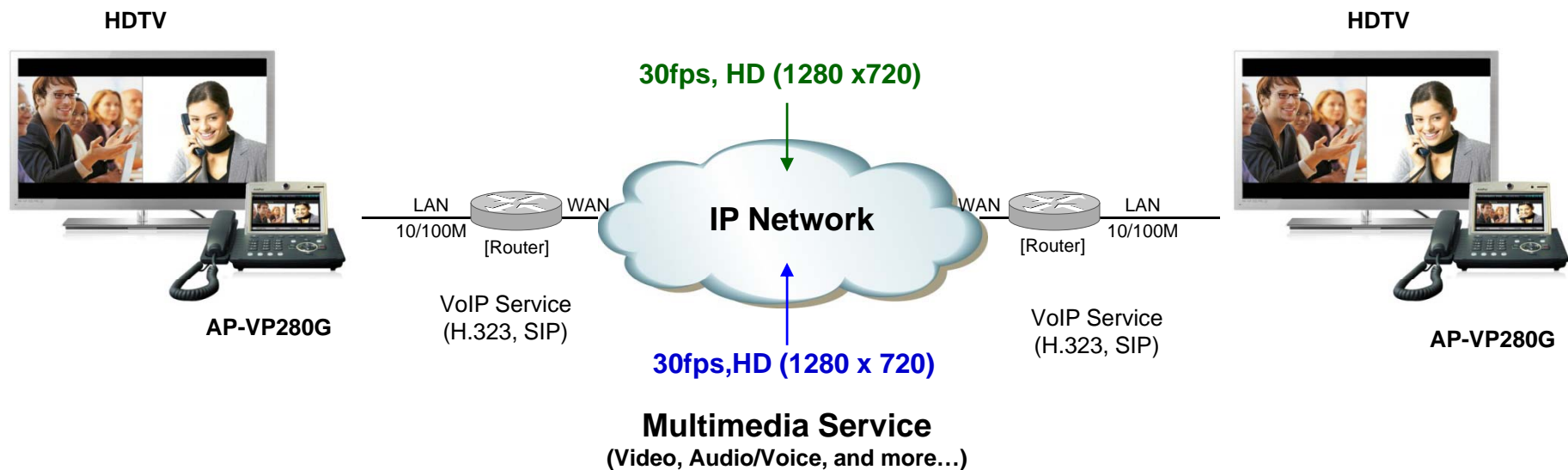
AP-VP280G IP Video Phone



# Video Telephony Application

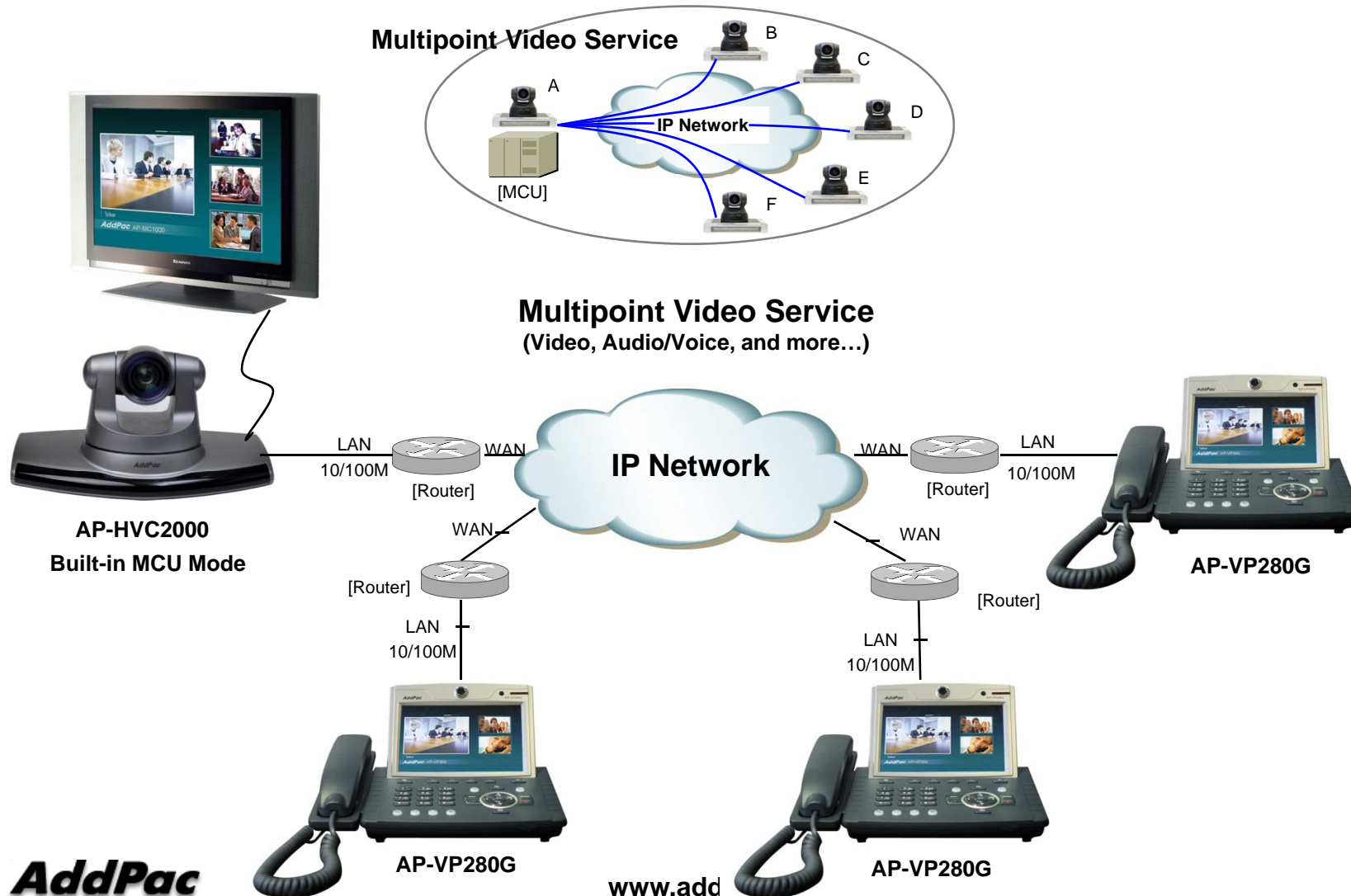
AP-VP280G IP Video Phone

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



# Video Conference

## AP-VP280G IP Video Phone



# Ordering Information

- **AP-VP280G IP Video Phone Hardware**
  - RISC Microprocessor with High-end Programmable DSP Architecture
  - 7 Inch LCD, Built In 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-VP280G**
- **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](http://www.addpac.com)





# Thank you!

**AddPac Technology Co., Ltd.**  
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail [sales@addpac.com](mailto:sales@addpac.com)