

# AP-VP700

## HD IP Video Phone

High Performance HD IP Video Phone Terminal Solution



## Product Overview

**AddPac**

**AddPac Technology**

2015, Sales and Marketing

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

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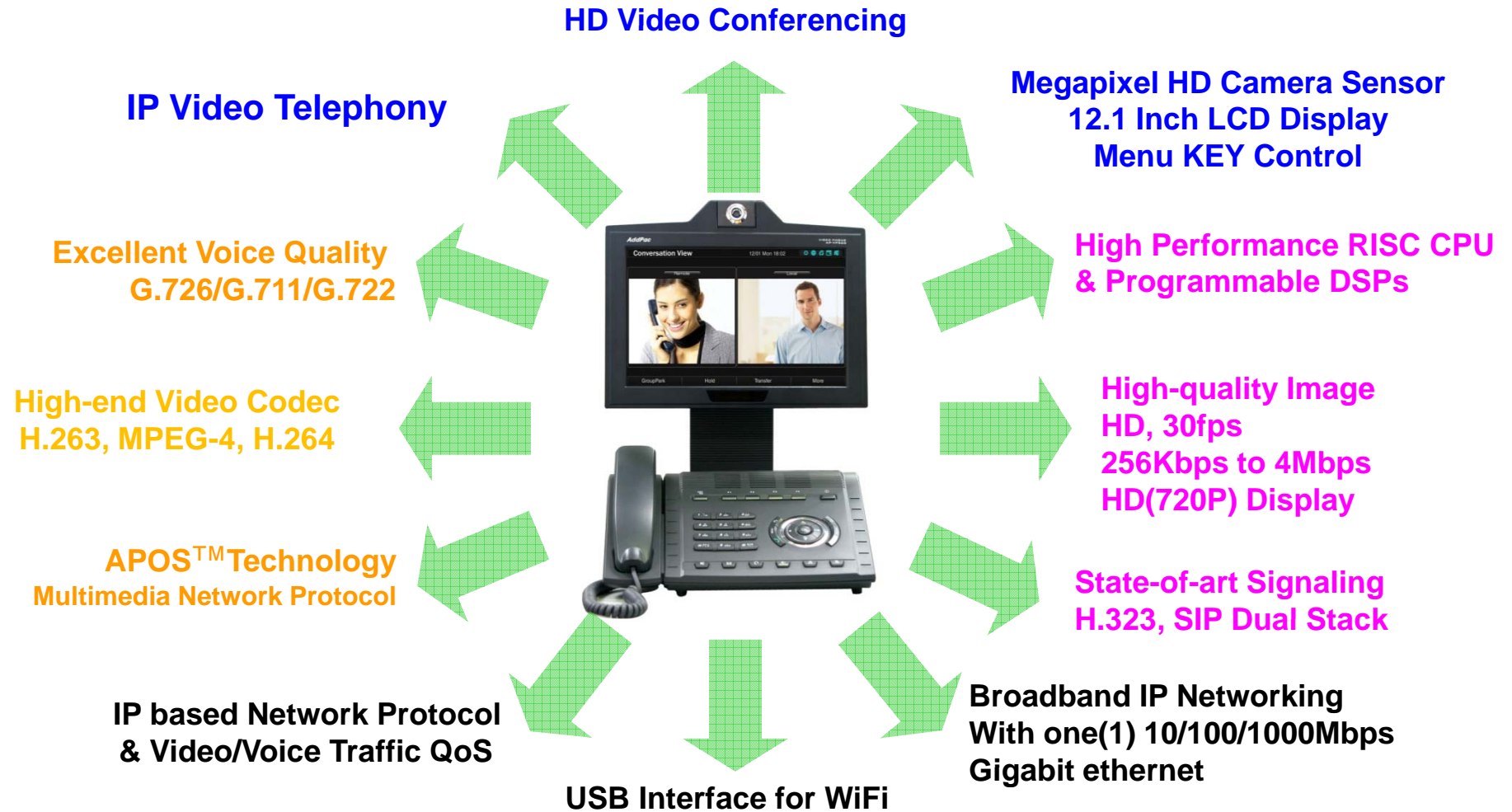
# Product Overview

## AP-VP700 HD IP Video Phone

- IP based HD 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 Video Codec Support
- Various Call Scenario Support
- Call Status Monitoring Support
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

# Product Highlights

AP-VP700 HD IP Video Phone



# Multimedia Service

AP-VP700 HD IP Video Phone



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

# Benefits and Features

## AP-VP700 HD IP Video Phone

- 12.1 Inch LCD Display, Built-in Megapixel HD Camera Sensor
- HD (720P) Display, HD OSD Design
- Internal High Performance Speaker System
- Enhanced Acoustic Echo Cancellation
- External Video Interface
  - HDMI Output, HD-SDI Input
  - RCA In/Out
- High-performance Video Codec Support
  - H.263, MPEG-4, and H.264
- Video Conference Call Support (AddPac External MCU)
- SIP, H.323 Signaling Support
- Rate Control for Video Traffic QoS
- High-end Error Resilient Against Various Packet Error

# Hardware Specification

AP-VP700 HD IP Video Phone

RISC  
CPU

Video  
DSPs

- RISC Microprocessor Computing Power
- High-end Programmable DSP Hardware Architecture
- Powerful Video Interface
  - RCA Video Input/Output, HD-SDI HD Video Input, HDMI Output Interface
- High quality Audio and Voice Interface
  - Stereo Audio Input Connector
  - Stereo Audio Output Connector
- Network Interface
  - Two(2) 10/100/1000Mbps Gigabit Ethernet (RJ45)
- USB Interface
  - USB 2.0 Master Interface for WiFi Interface USB Module
- FXO PSTN Backup

# Hardware Specification

AP-VP700 HD IP Video Phone

RISC  
CPU

Video  
DSPs

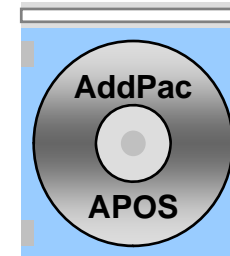
- HD Video Camera Sensor
  - CMOS 720P Wide Dynamic Range(WDR) HD Image Sensor
  - Output Formats : YUV, separated and combined RAW
  - Image Size : WXGA(1280x480), HD 720P(1280x720), WVGA(752x480),VGA(640x480), CIF(352x288), QVGA(320x240)
  - 1/3 Inch One(1) Megapixel Image Sensor
  - Automatic Exposure/Gain
  - Horizontal and Vertical Windowing Capability
  - Auto White Balance Control
  - Aperture/Gamma Correction
  - 50/60Hz Flicker Cancellation
  - Defective Pixel Correction



# Software Service

AP-VP700 HD 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-VP700 HD IP Video Phone

- Various Video Networking Interface
  - Composite (RCA), HDMI Output, HD-SDI Input
- High-performance Video Codec Support
  - H.263, MPEG-4, and H.264
- Powerful Image Resolution Support
  - QCIF(176x144), CIF(352x288), QVGA(320x240), HVGA(640x240), VGA(640x480), HD(1280x720)
- Up to 30fps with HD Resolution(HD)
- 64Kbps to 2Mbps 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-VP700 HD IP Video Phone

- **Audio & Voice Networking Interface**
  - Audio Input/Output Port (2 x 3.5mm Stereo Female Connector)  
(Mic/Line In, Line Out (Head Phone))
- **VoIP based Signaling Protocol Support**
  - H.323, SIP Multiple Signaling Protocol Stack
- **High-performance Audio & Voice Codec Support**
  - Head Set : G.722, G.711, G.726, etc
- **Enhanced QoS Management Features for Voice Traffics**

# Network Service and Features

## AP-VP700 HD IP Video Phone

- **Basic Routing**
  - Static Routing (IPv4)
  - Static / DHCP / PPPoE
  - VRRP (Virtual Redundancy Routing Protocol)
- **Network Management**
  - SNMPv2/SNMPv3 Support
  - Standard & Enterprise SNMP MIB Support
  - Web Based Management using HTTP/HTTPS
  - Console / Telnet / Rlogin / SSH Interface
- **Security Function**
  - Standard & Extended IP Access List
  - HTTPS / SSH Interface
  - Auto-disconnect Telnet/Console Session
  - Access Control for Local Service (FTP/Telnet/HTTP.)
  - Enable/Disable Network Services
  - Multi-Level User Account Management

# Network Service and Features

## AP-VP700 HD IP Video Phone

- Operation & Management
  - Configuration Backup & Restore for APOS Managements
  - Use Multiple APOS™ and Configuration
  - Auto Upgrade via HTTP/HTTPS
  - Debugging, System Auditing, and Diagnostics Support
  - FTP/TFTP/Telnet/SSH Server and Client
  - HTTP Server
  - Remote logging using Syslog
  - Local System Logging (Local HDD model)
  - RADIUS Authentication / Account
- Other Scalability Features
  - Network time Protocol (NTP) Support
  - Cisco Style Command Line Interface (CLI)
  - DHCP Server & Relay Functions
  - DNS Server



# OSD Software Features

AP-VP700 HD IP Video Phone

Information & Status



# AP-VP700 HD IP Video Phone

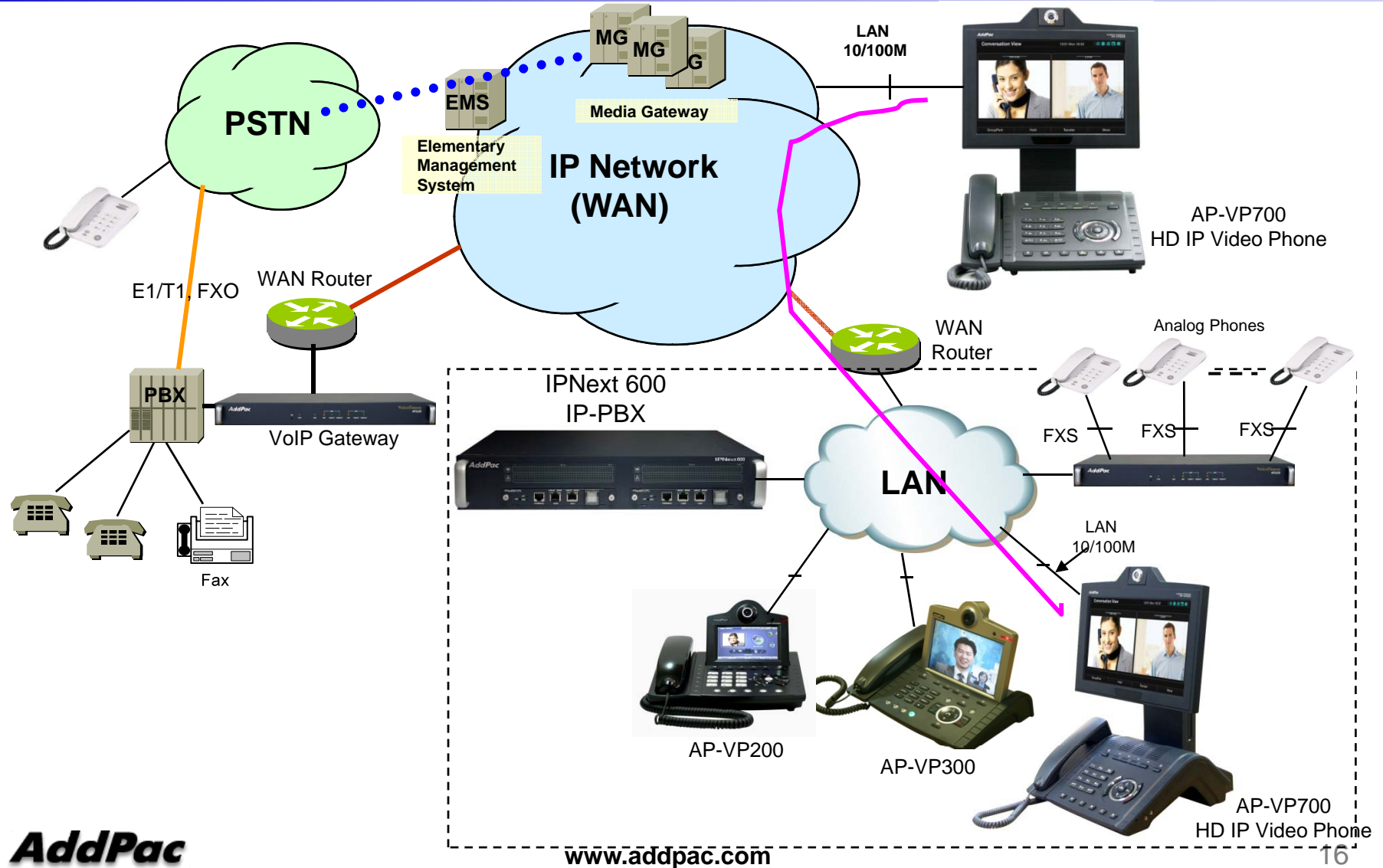
## Application Area

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



# Standard IP-PBX Application

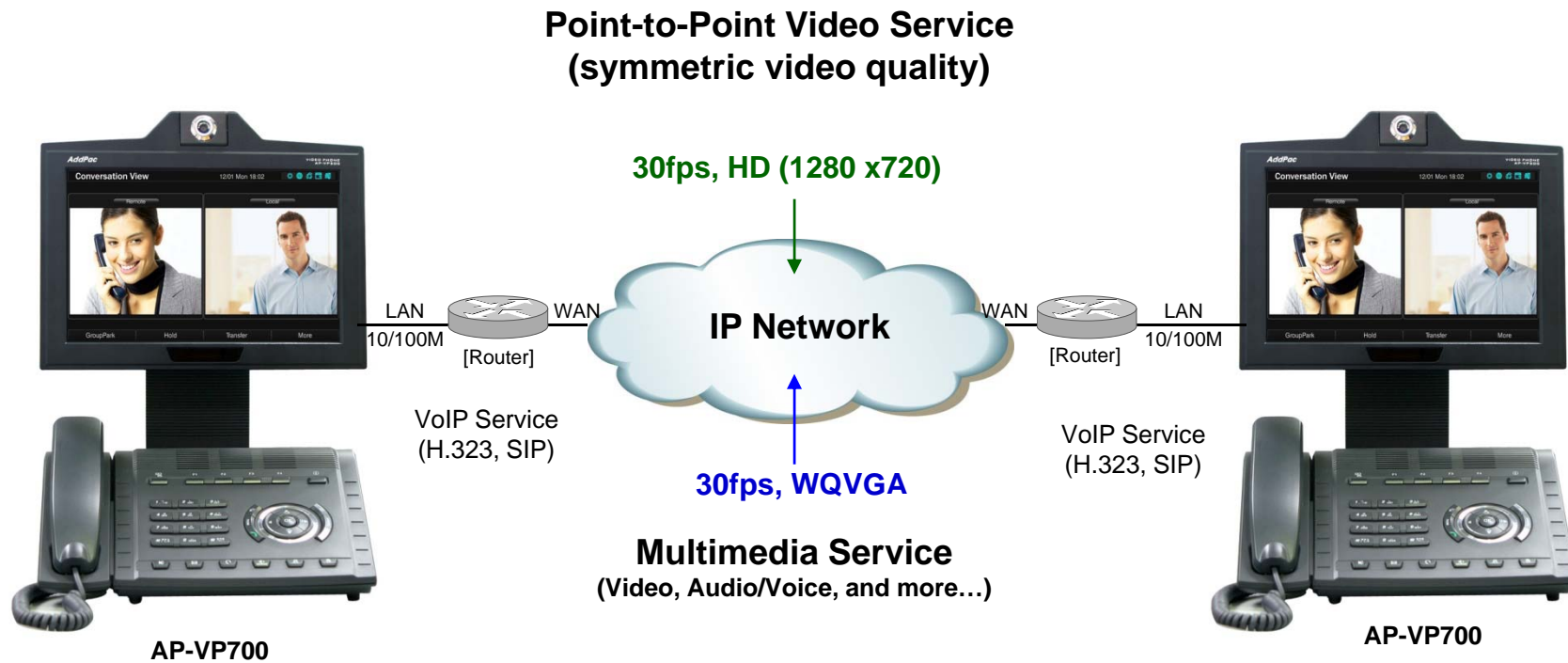
## AP-VP700 HD IP Video Phone





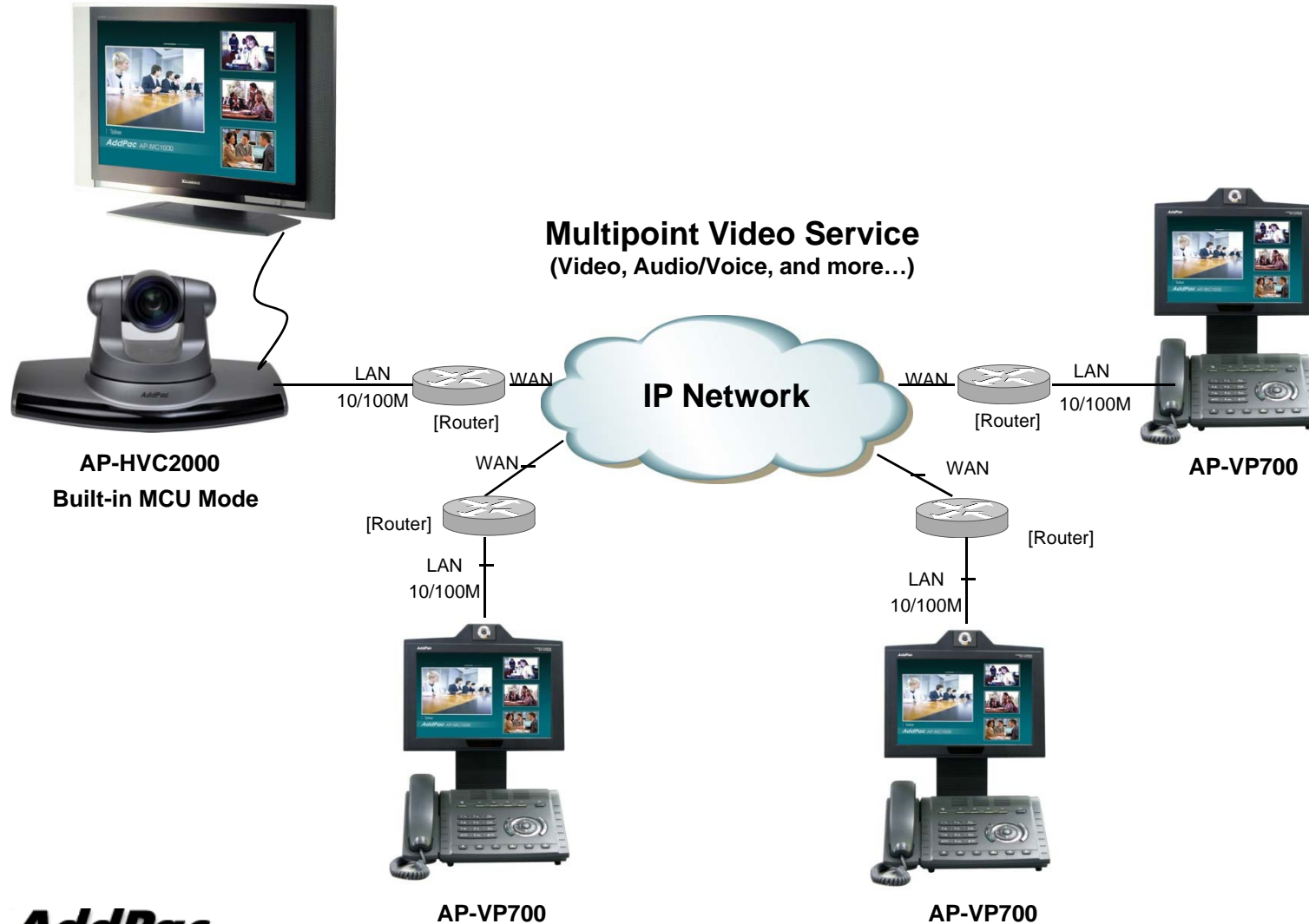
# Video Telephony Application

AP-VP700 HD IP Video Phone



# Video Conference

AP-VP700 HD IP Video Phone



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# Ordering Information

- **AP-VP700 HD IP Video Phone Hardware**
  - AP-VP700 HD IP Video Phone Main Body
  - RISC Microprocessor with High-end Programmable DSP Architecture
  - 12.1 Inch LCD, Built In HD Camera Sensor
  - External Video RCA Input/Output, HD-SDI Video Input, HDMI Video Out and 3.5mm Audio Input/Output
  - One(1) 10/100/1000Mbps Gigabit Ethernet
  - 1-Port USB Interface (Master Mode) for WiFi, etc
  - Including Network Cable Set & Ext. Power Supply, etc.
- **Built-in APOS Internetworking Software for AP-VP700**
- **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)

# Video Phone Series

# Thank you!

**AddPac Technology Co., Ltd.**  
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