

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

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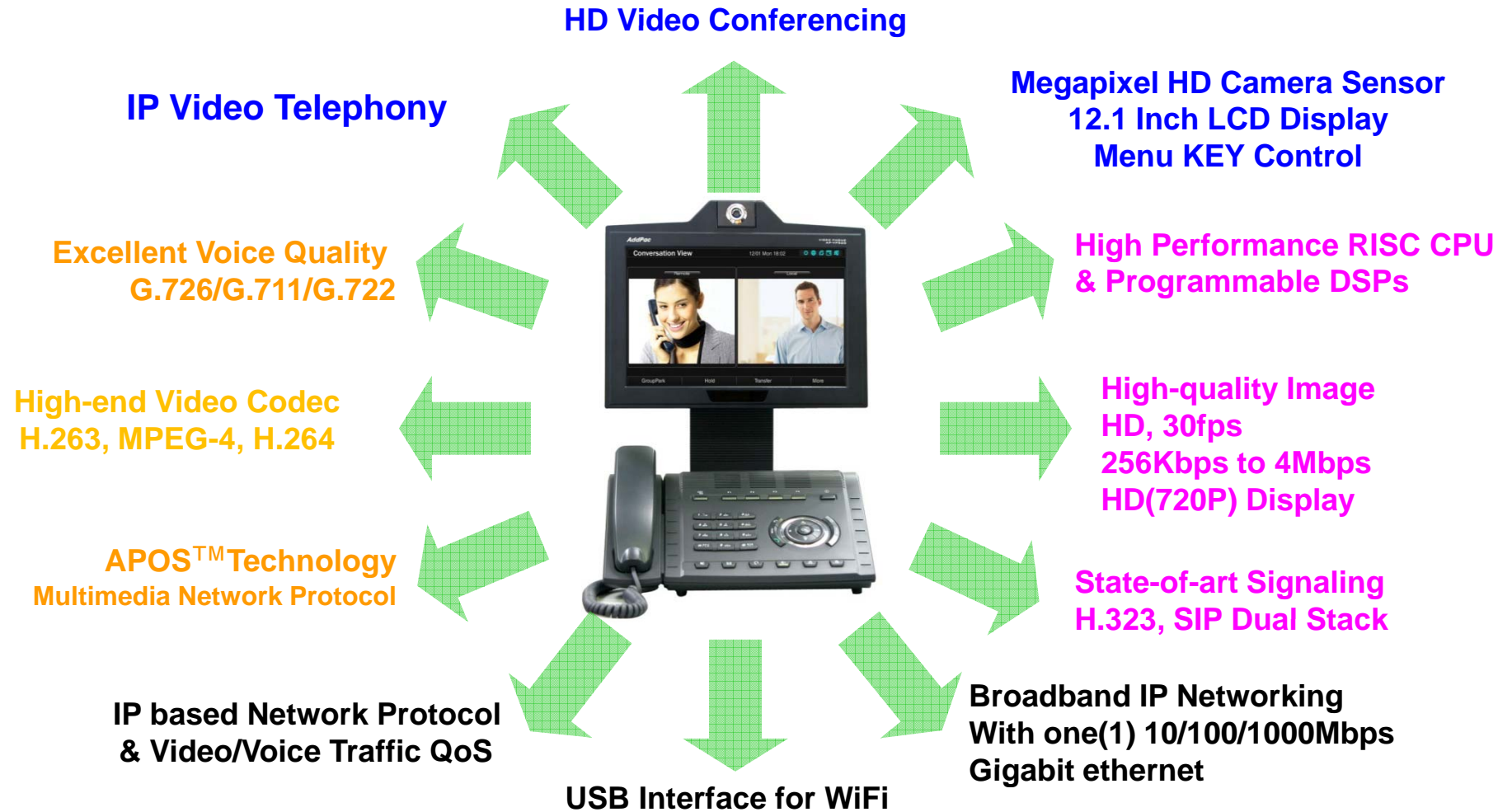
Product Overview

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
 - One(1) 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

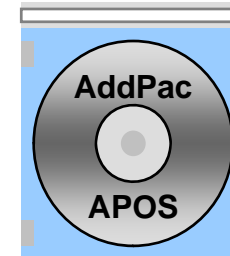
Video
DSPs

- 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



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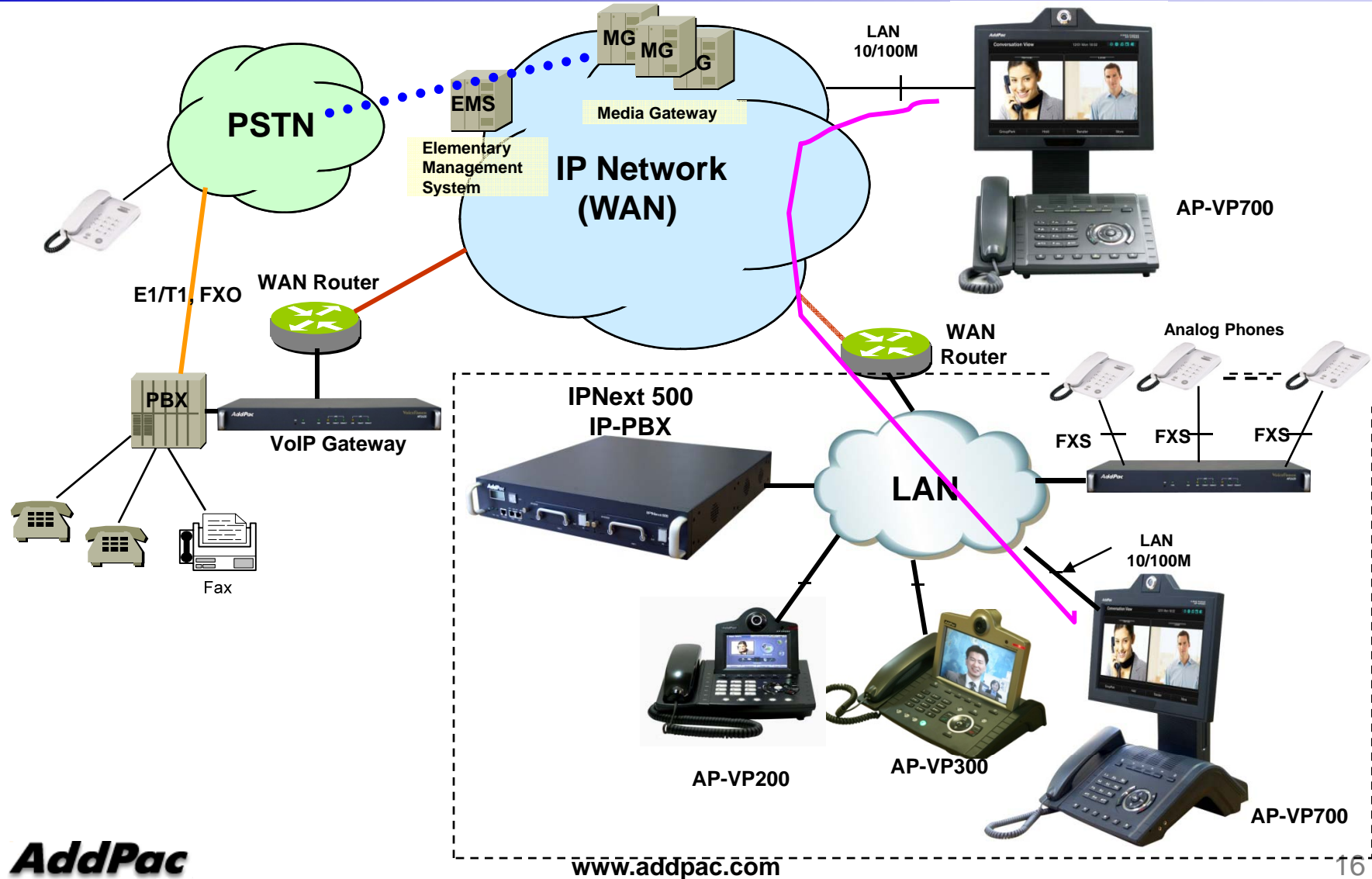
Application Area

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



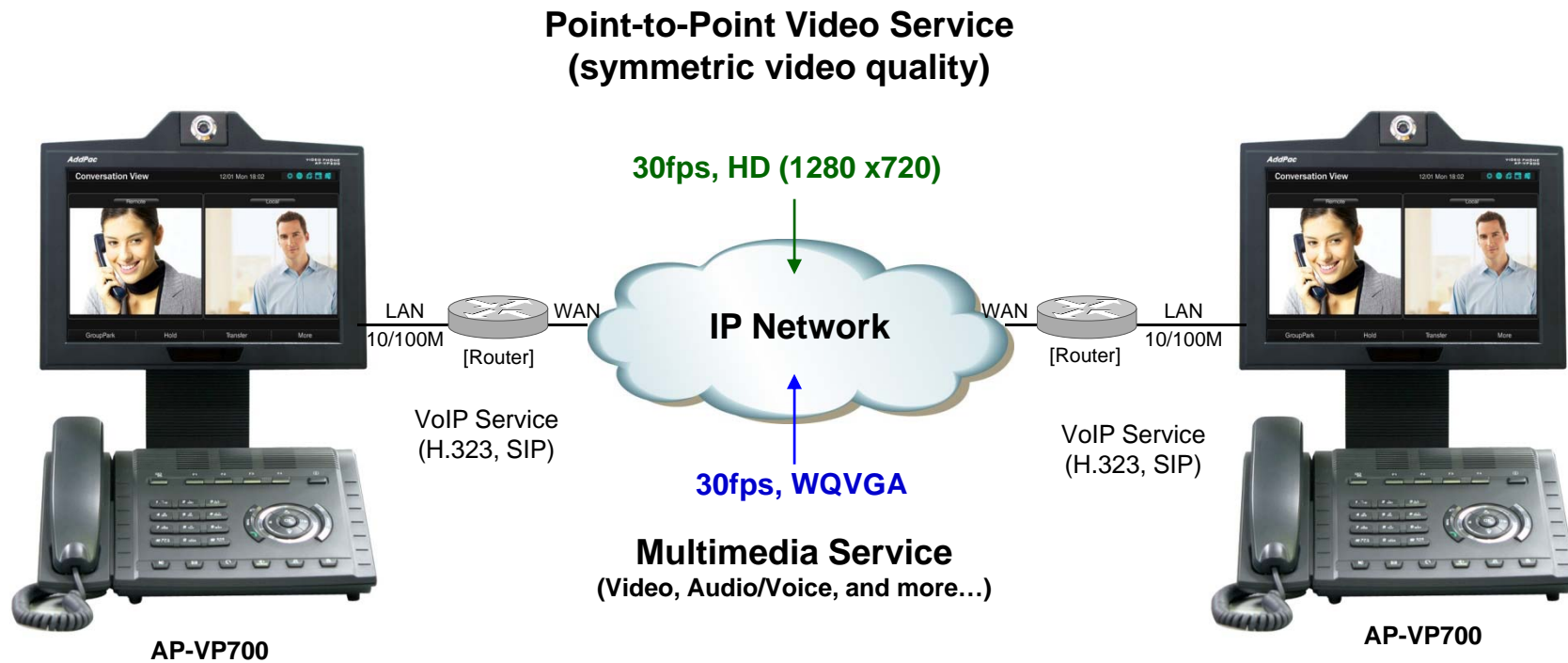
Standard IP-PBX Application

AP-VP700 HD IP Video Phone



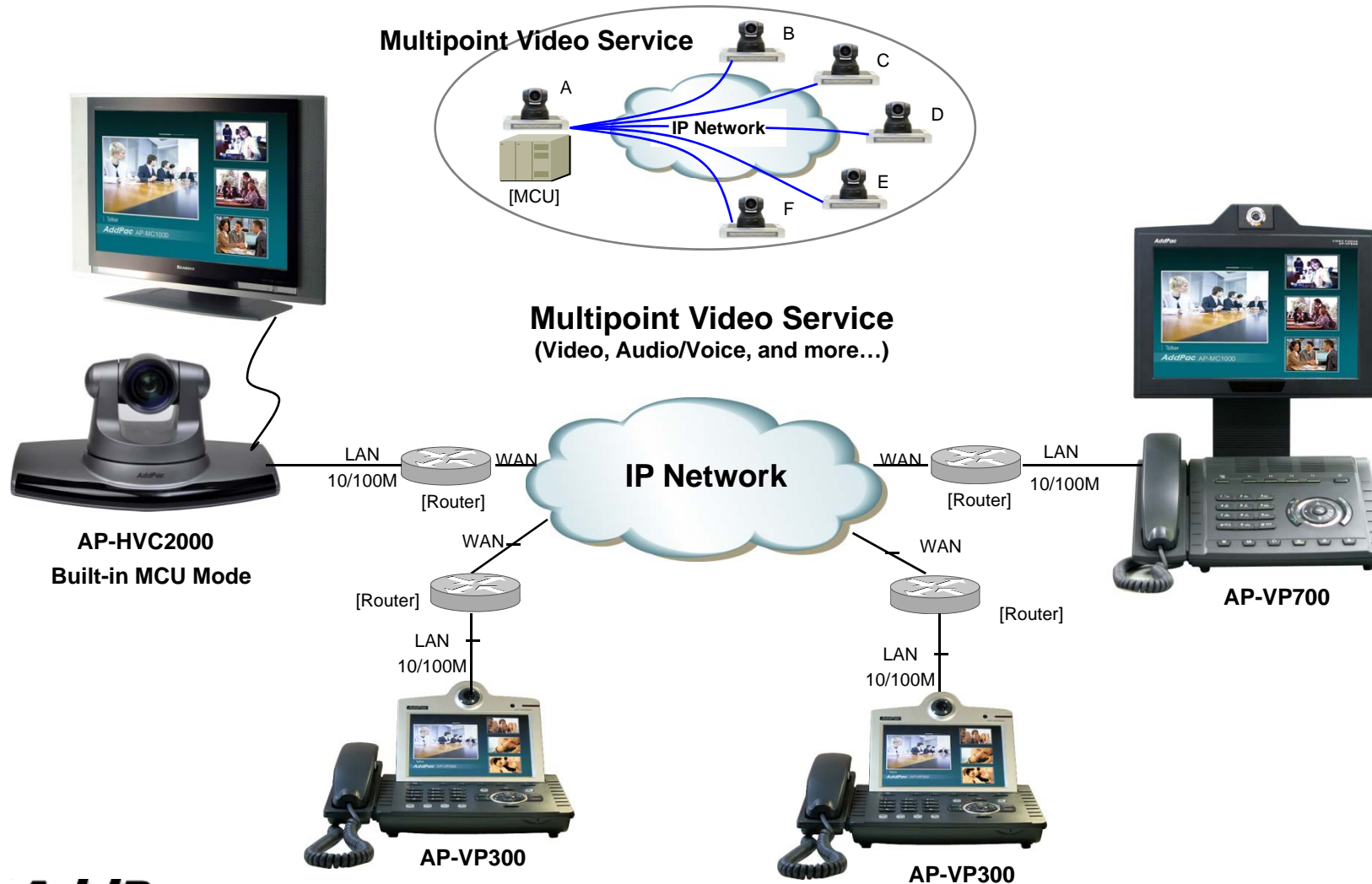
Video Telephony Application

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

Video Phone Series

Thank you!

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