



AP-VP120 Video Phone

High Performance Video Terminal Solution

Preliminary Product Overview

(Without notice, following described technical spec. can be changed)



AddPac

AddPac Technology

Sales and Marketing

www.addpac.com

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Product Overview

AP-VP120 Video Phone

- IP based Video Phone Solution
- VoD (Video on Demand) Service
- Multimedia Broadcasting Service
- High-performance Video, Audio, and Voice Service
- Flexible Videoconferencing Deployment
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Product Highlights

AP-VP120 Video Phone



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Multimedia Service

AP-VP120 Video Phone



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

Benefits and Features

AP-VP120 Video Phone

- **4.3 Inch LCD Display, Built-in CMOS Camera**
- **External Video Interface**
 - Composite (RCA) Video In/Out, Audio (RCA) In/Out
- **High-performance Video Codec Support**
 - H.263, MPEG-4, JPEG, and H.264
- **Powerful Image Resolution Support**
 - QCIF(176x144), CIF(352x288), QVGA(320x240) and WQVGA
- **Up to 30fps with Wide QVGA-Resolution(MPEG-4)**
- **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-VP120 Video Phone

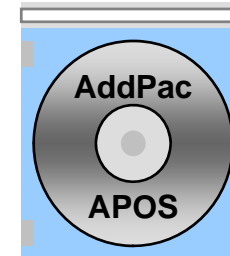
RISC
CPU+
DSP

- **RISC Microprocessor Computing Power**
- **High-end Programmable DSP Hardware Architecture**
- **Powerful Video Interface**
 - RCA Video Input/Output Interface
- **High quality Audio and Voice Interface**
 - Stereo Audio Input Connector
 - Stereo Audio Output Connector
- **Network Interface**
 - Two(2) 10/100Mbps Fast Ethernet (RJ45)
- **USB Interface**
 - USB 1.0 Master Interface for USB HDD, USB Flash Memory, USB Keyboard, USB Mouse
- **FXO PSTN Backup** : Option
- **Power over Ethernet (PoE)** : Option

Software Service

AP-VP120 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-VP120 Video Phone

- **Various Video Networking Interface**
 - Composite (RCA)
- **High-performance Video Codec Support**
 - H.263, MPEG-4, JPEG, and H.264
- **Powerful Image Resolution Support**
 - QCIF(176x144), CIF(352x288), QVGA(320x240), and WQVGA
- **Up to 30fps with W-QVGA Resolution**
- **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-VP120 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.723, G.729, G.726, G.711
- **Enhanced QoS Management Features for Voice Traffics**

Network Service and Features

AP-VP120 Video Phone

- **Network Managements**
 - Standard SNMP Agent (MIB v2) Support
 - Remote Management using Console, Telnet
 - Web based Management using HTTP Server Interface
- **Security Functions**
 - Standard & Extended IP Access List
 - Enable/Disable for Specific Network Protocols
 - Multi-level User Account Management
 - Auto-disconnect for Telnet/Console Sessions
 - PPP User Authentication Supports (PAP & CHAP)
- **Operation & Managements**
 - System Performance Analysis for Process, CPU, Connection Interface
 - Debugging, System Auditing, and Diagnostics Support
 - System Booting and Auto-rebooting with Watchdog Feature
 - System Managements with Data Logging
 - IP Traffic Statistics with Accounting

Network Service and Features

AP-VP120 Video Phone

- **Network Managements**
 - DHCP Server & Relay Functions
 - Network Address Translation (NAT) Function
 - Port Address Translation (PAT) Function
 - Transparent Bridging (IEEE Standard) Function
 - Spanning Tree Bridging Protocol Support
 - Remote Bridging Support
 - Concurrent Routing and Bridging Support
 - Cisco Style Command Line Interface (CLI)
 - Network time Protocol (NTP) Support

OSD Software Features

AP-VP120 Video Phone OSD Service

Menu Status

Information & Status



OSD Software Features

AP-VP120 Video Phone OSD Service

AV Setup OSD



OSD Software Features

AP-VP120 Video Phone OSD Service

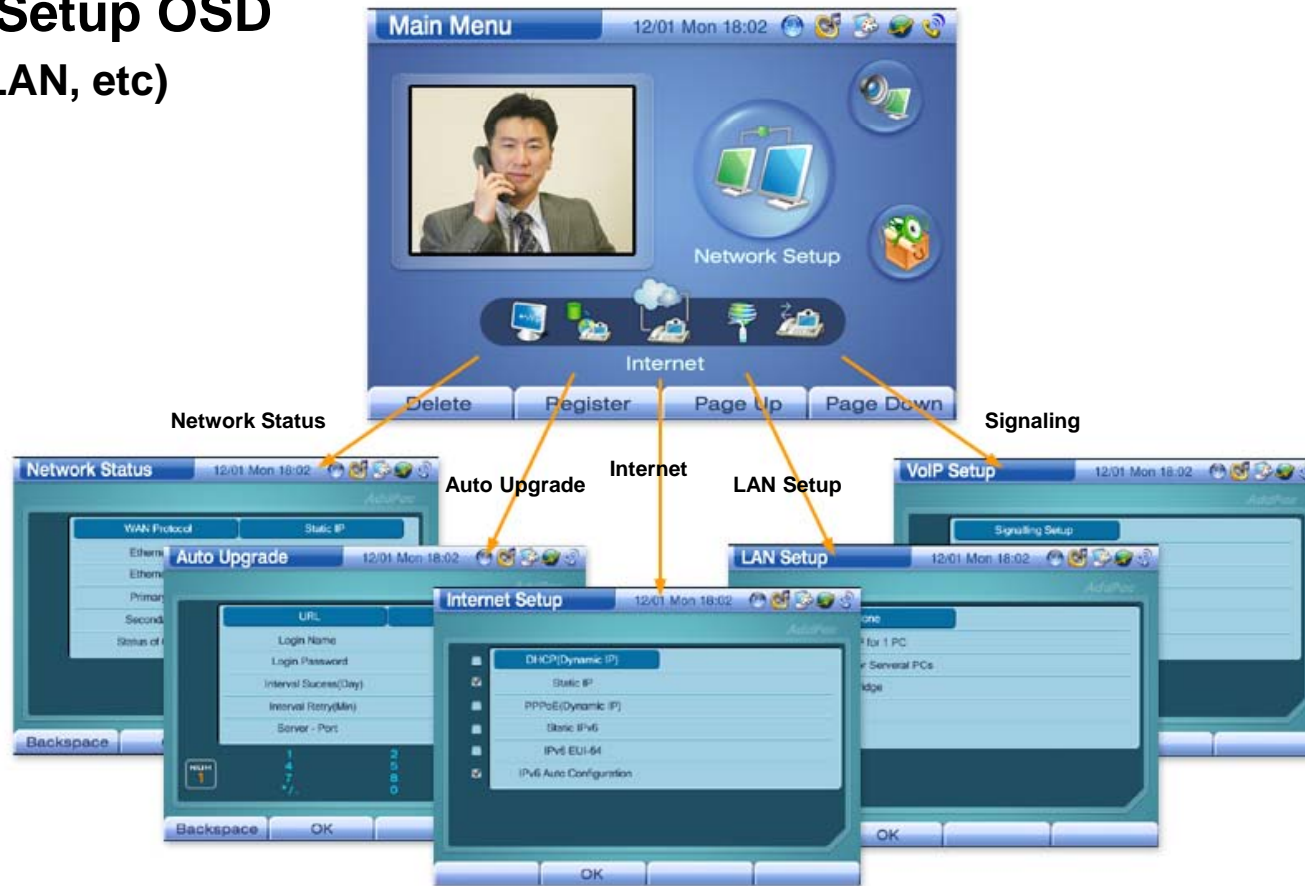
Phone Book OSD



OSD Software Features

AP-VP120 Video Phone OSD Service

Network Setup OSD (VoIP, LAN, etc)



OSD Software Features

AP-VP120 Video Phone OSD Service

Tool Box OSD (Ring Type, Language Setup, etc)



OSD Software Features

AP-VP120 Video Phone OSD Service

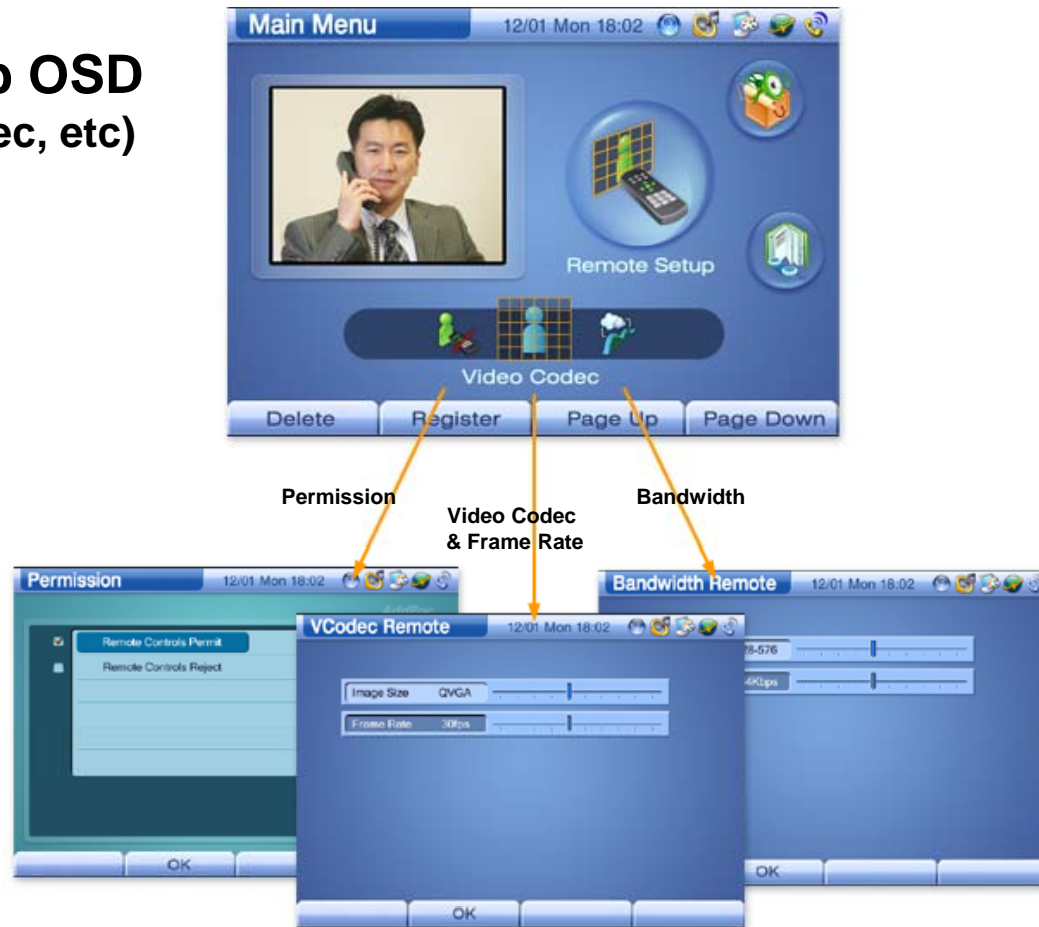
Application OSD
(VoD, IPTV, Network Camera, File Browser, etc)



OSD Software Features

AP-VP120 Video Phone OSD Service

Remote Setup OSD (Bandwidth, Codec, etc)



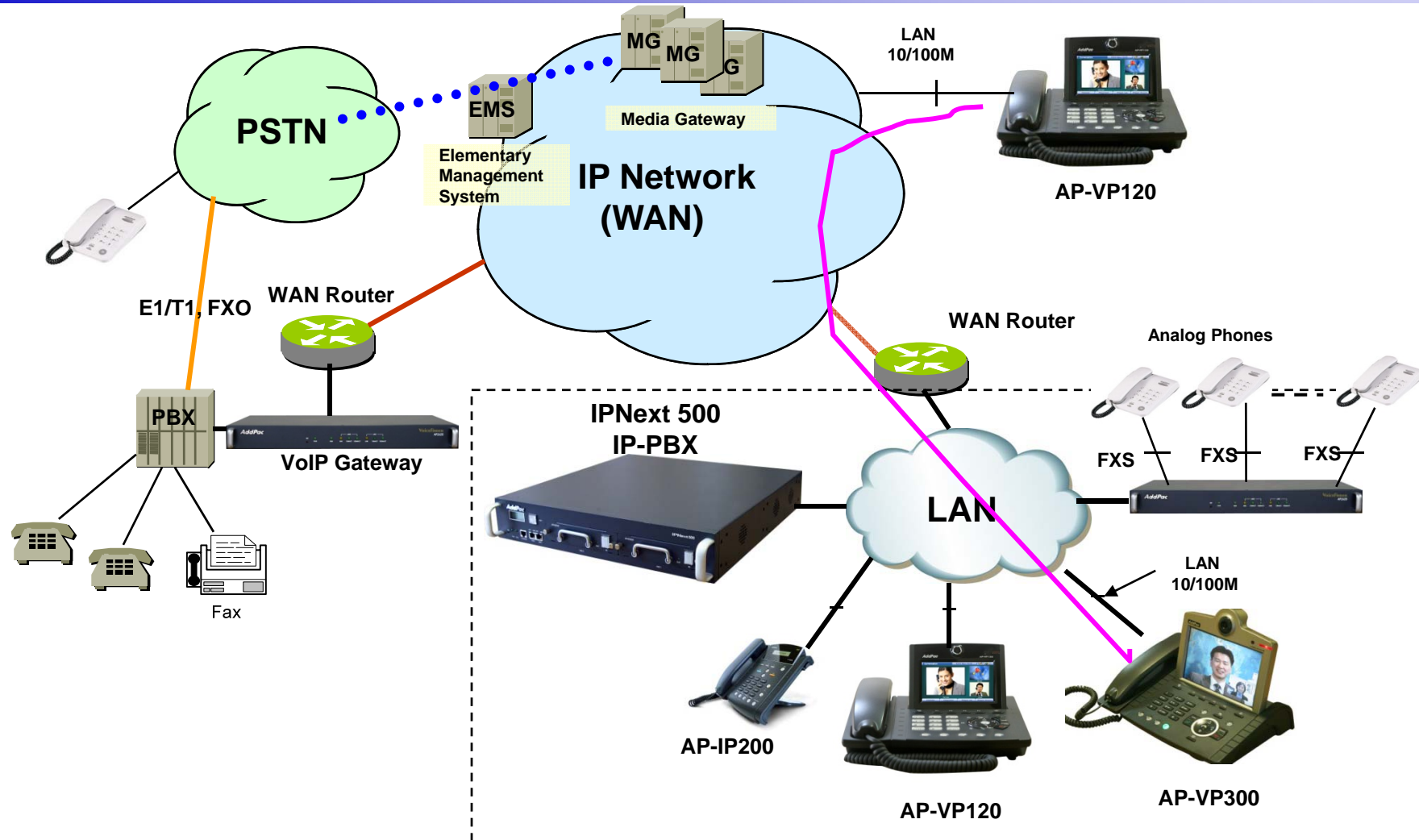
AP-VP120 Video Phone

Application Area

- IP-PBX Video Terminal (SIP, H.323, etc)
- Audio/Video Real-time Broadcasting
- Video on Demand Application
- IPTV Application for Enterprise
- Video Telephony
- Video Conference

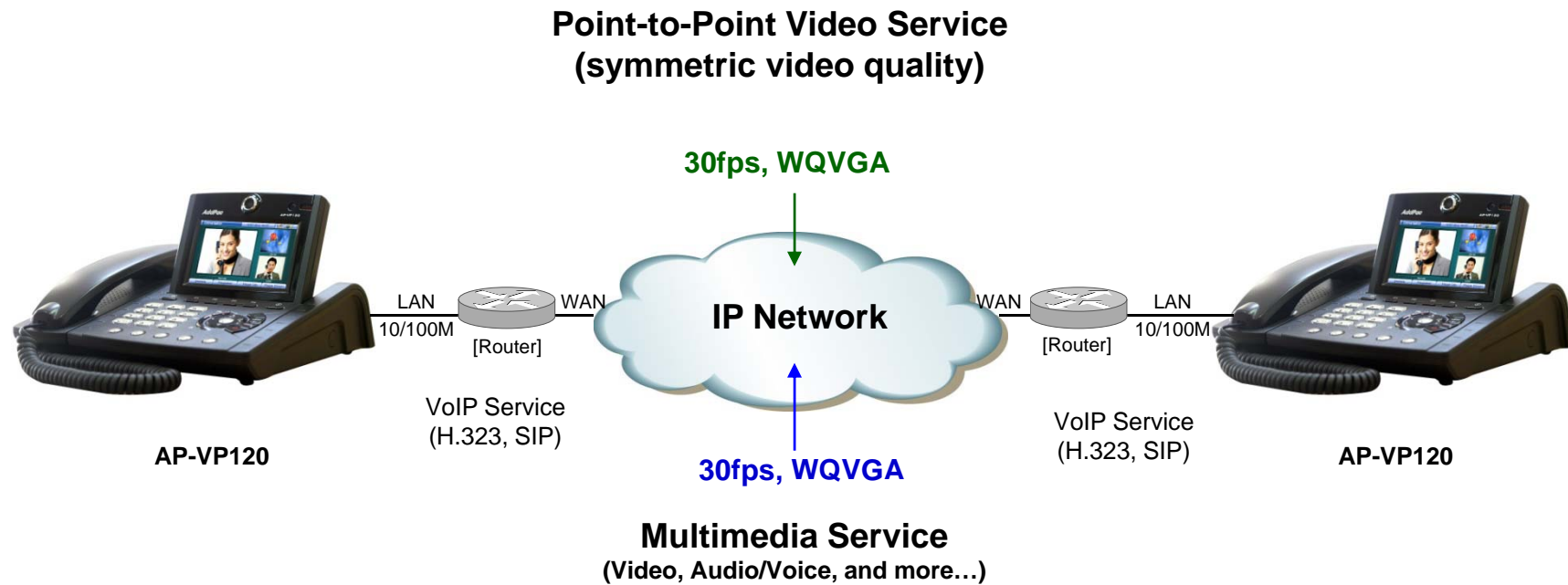
Standard IP-PBX Application

AP-VP120 Video Phone



Video Telephony Application

AP-VP120 Video Phone



Ordering Information

- **AP-VP120 Video Phone Hardware**
 - AP-VP120 Video Phone Main Body
 - RISC Microprocessor with High-end Programmable DSP Architecture
 - 4.3 Inch LCD, Built In Camera
 - External Video RCA Input/Output, and 3.5mm Audio Input/Output
 - 2-ports 10/100Mbps Fast Ethernet
 - 1-Port USB Interface (Master Mode)
 - Including Network Cable Set & Ext. Power Supply, etc.
- **Built-in APOS Internetworking Software for AP-VP120**
- **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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