

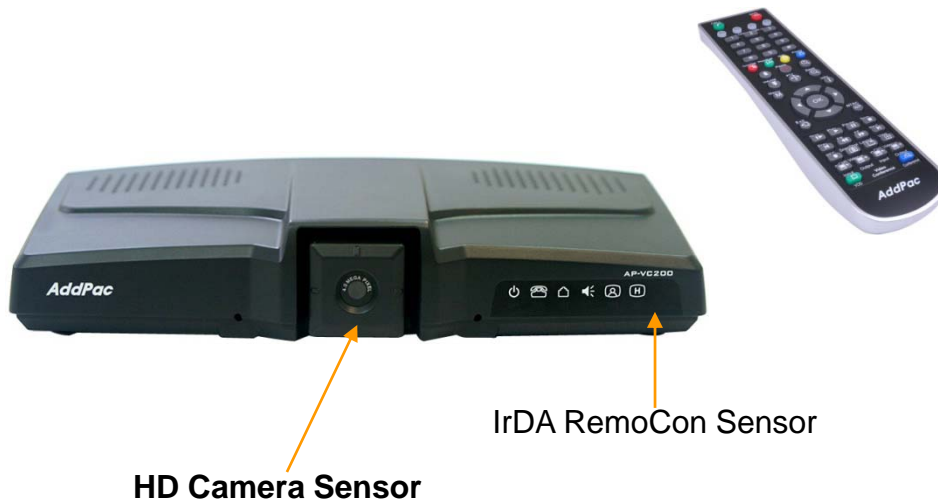


AP-VC200N

Video Conference Equipment

High Performance Video Terminal Solution

Preliminary Product Overview



AddPac

AddPac Technology

Sales and Marketing

www.addpac.com

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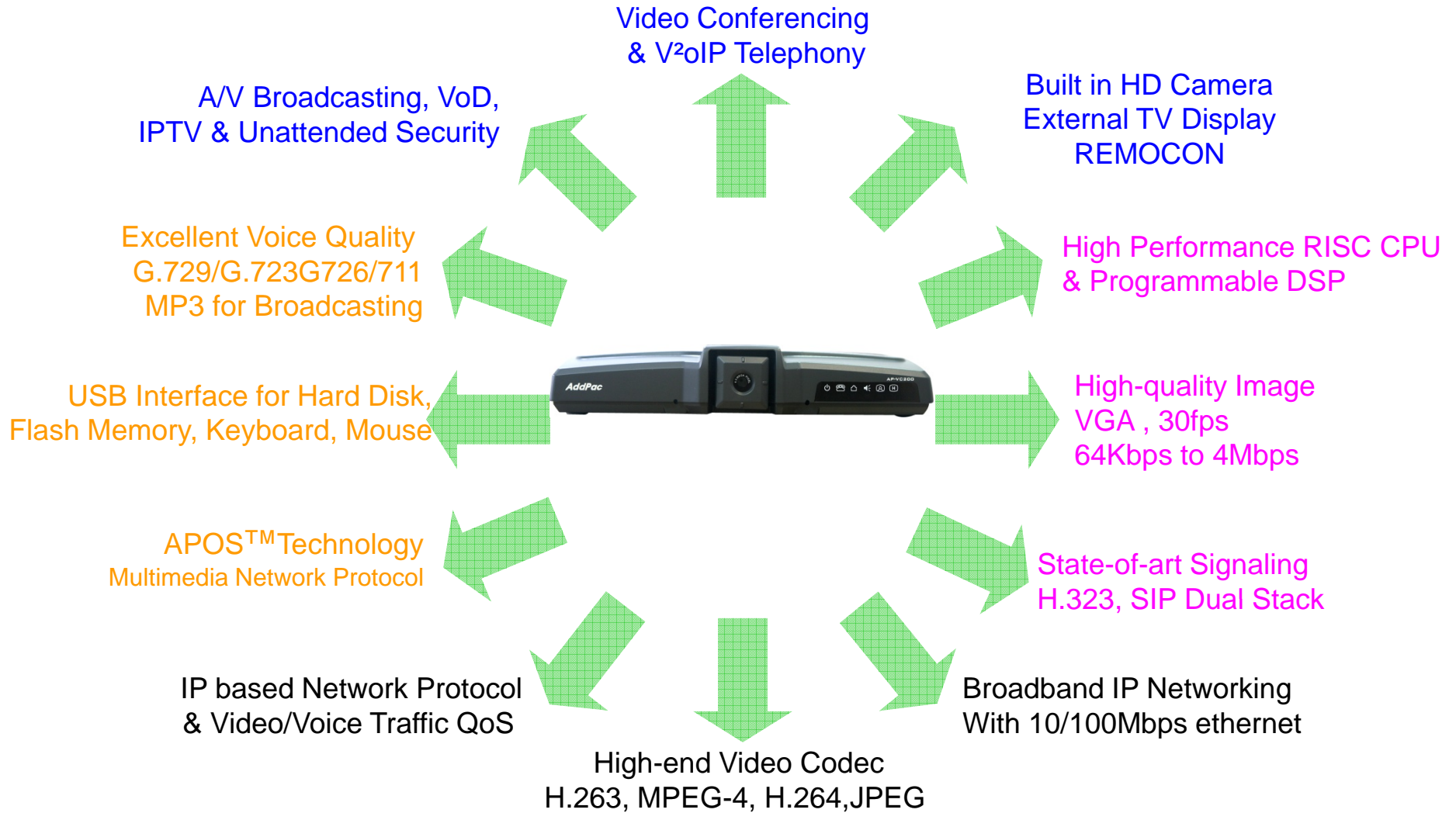
Product Overview

AP-VC200N Video Conference Equipment

- IP based Video Phone Solution
- VoD (Video on Demand) Service
- IPTV Service
- Network Surveillance 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

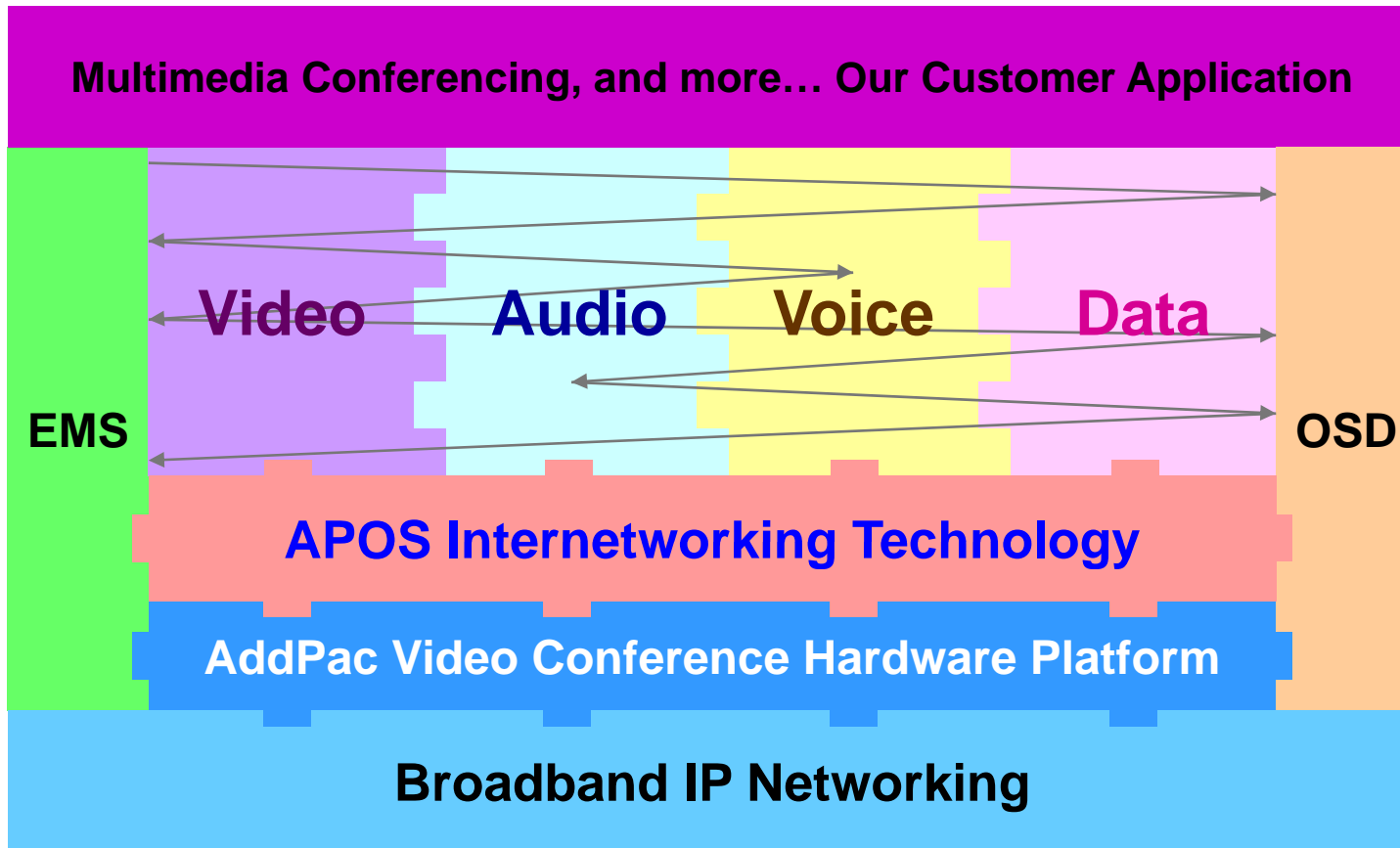
Product Highlights

AP-VC200N Video Conference Equipment



Multimedia Service

AP-VC200N Video Conference Equipment



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

Benefits and Features

AP-VC200N Video Conference Equipment

- Built-In HD Camera
- Remote Controller
- External Video Interface
 - Composite (RCA) Out, S-Video Out, Component 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), HVGA(640x240), VGA(640x480)
- Up to 30fps with Wide VGA-Resolution(MPEG-4)
- Video Conference Call Support (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-VC200N Video Conference Equipment

RISC
CPU

High-end
DSP

- RISC Microprocessor Computing Power
- High-end Programmable DSP Hardware Architecture
- Built-In HD Camera
- Powerful Video Interface
 - RCA Output, S-Video Output, Component (720P) Output
- High quality Audio and Voice Interface
 - Stereo Audio Input Connector
 - Stereo Audio Output Connector
- Network Interface
 - Two(2) 10/100Mbps Fast Ethernet (RJ45)
 - One(1) RS-232C Interface (RJ45) for Console
- USB Interface
 - USB 1.1 Master Interface for USB Wifi, HDD, Flash Memory, USB Keyboard, USB Mouse
- VoIP Gateway
 - 1-Port FXS VoIP Interface for Analog Phone, Wireless Phone
 - 1-Port FXO VoIP Interface for PSTN Interface



Hardware Specification

AP-VC200N Video Conference Equipment

RISC
CPU

High-end
DSP

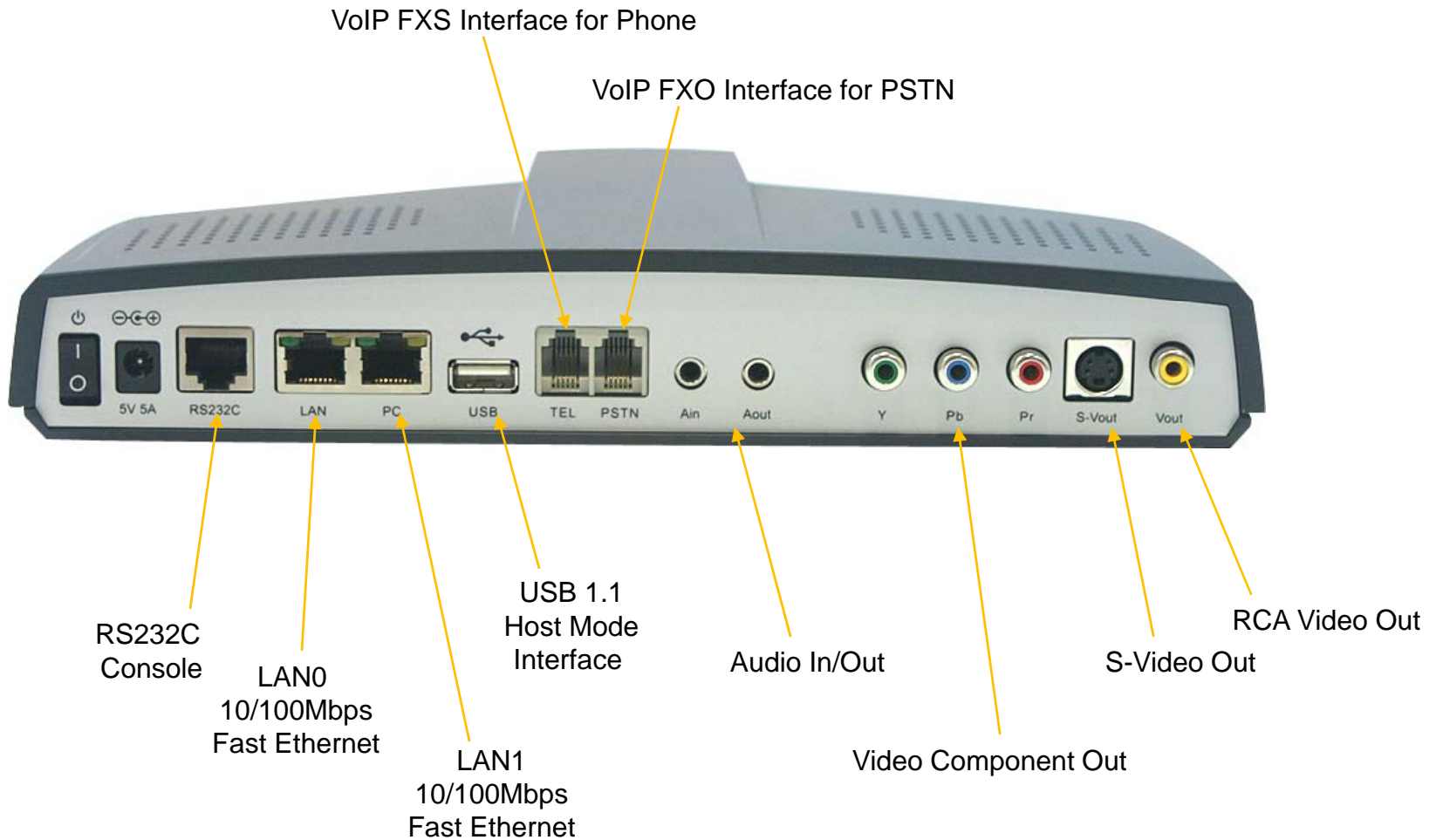
- HD Video Camera Sensor
 - CMOS 720P Wide Dynamic Range(WDR) HD Image Sensor
 - Output Formats : YUV, separated and combined RAW
 - Image Size : WXGA(1280x480), HD 720P(1280x720), WVGA(752x480),VGA(640x480), CIF(352x288), QVGA(320x240)
 - 1/3 Inch One(1) Megapixel Image Sensor
 - Automatic Exposure/Gain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

Hardware Specification

AP-VC200N Video Conference Equipment

RISC
CPU

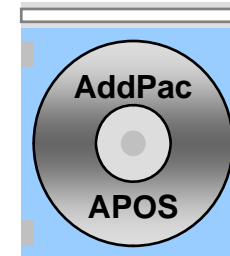
High-end
DSP



Software Service

AP-VC200N Video Conference Equipment

- 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-VC200N Video Conference Equipment

- Various Video Networking Interface
 - Composite (RCA), S-Video, Component
- High-performance Video Codec Support
 - H.263, MPEG-4, JPEG, and H.264
- Powerful Image Resolution Support
 - QCIF(176x144), CIF(352x288), QVGA(320x240), HVGA(640x240), VGA(640x480)
- Up to 30fps with VGA Resolution(MPEG-4)
- 64Kbps to 4Mbps 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-VC200N Video Conference Equipment

- Audio & Voice Networking Interface
 - Audio Input/Output Port (2 x 3.5mm Stereo Female Connector)
(Mic/Line In, Line Out (Head Phone))
 - Internal MIC
 - Internal Speaker
- VoIP based Signaling Protocol Support
 - H.323, SIP Multiple Signaling Protocol Stack
- High-performance Audio & Voice Codec Support
 - Head Set : G.723.1, G.729, G.726, G.711, etc
 - Line IN/OUT : G.726, G.711 Audio Codec, etc
MP3 Codec for broadcasting service.
- Enhanced QoS Management Features for Voice Traffics

Network Service and Features

AP-VC200N Video Conference Equipment

- 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-VC200N Video Conference Equipment

- 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-VC200N Video Conference Equipment OSD Service

Menu Status

Information & Status



IrDA RemoCon

OSD Software Features

AP-VC200N Video Conference Equipment OSD Service

AV Setup OSD



OSD Software Features

AP-VC200N Video Conference Equipment OSD Service

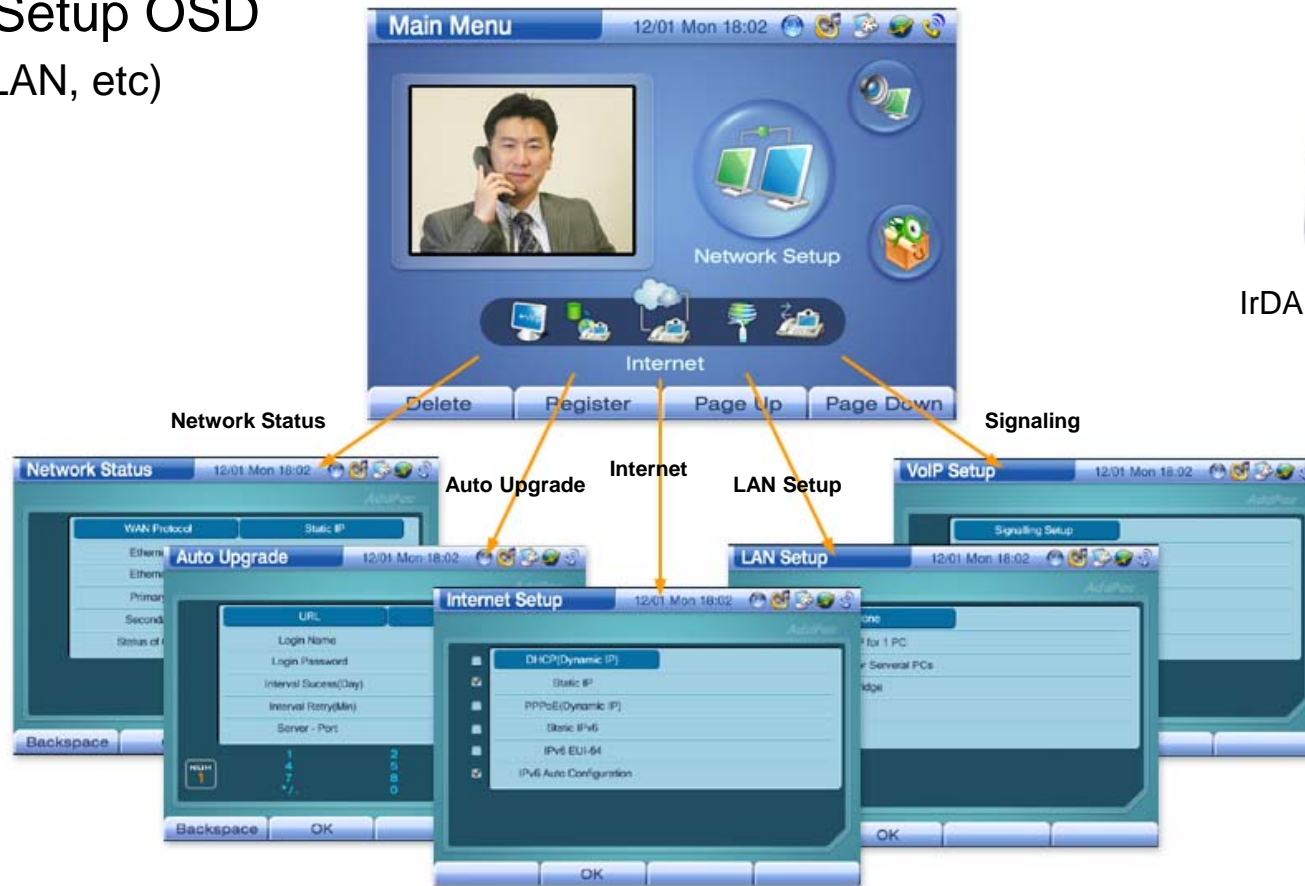
Phone Book OSD



OSD Software Features

AP-VC200N Video Conference Equipment OSD Service

Network Setup OSD (VoIP, LAN, etc)



IrDA RemoCon

OSD Software Features

AP-VC200N Video Conference Equipment OSD Service

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



IrDA RemoCon

OSD Software Features

AP-VC200N Video Conference Equipment OSD Service

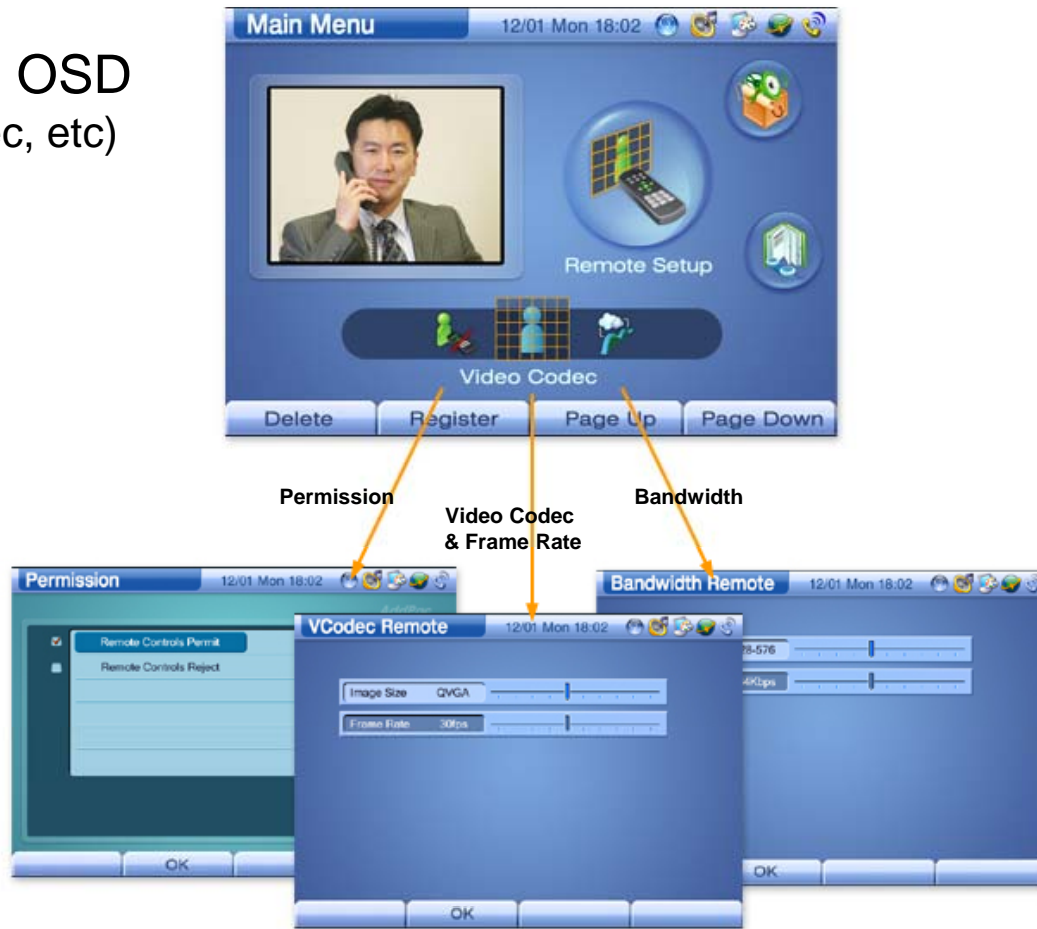
Application OSD
(VoD, IPTV, Network
Camera, File Browser, etc)



OSD Software Features

AP-VC200N Video Conference Equipment OSD Service

Remote Setup OSD
(Bandwidth, Codec, etc)



AP-VC200N Video Conference Equipment

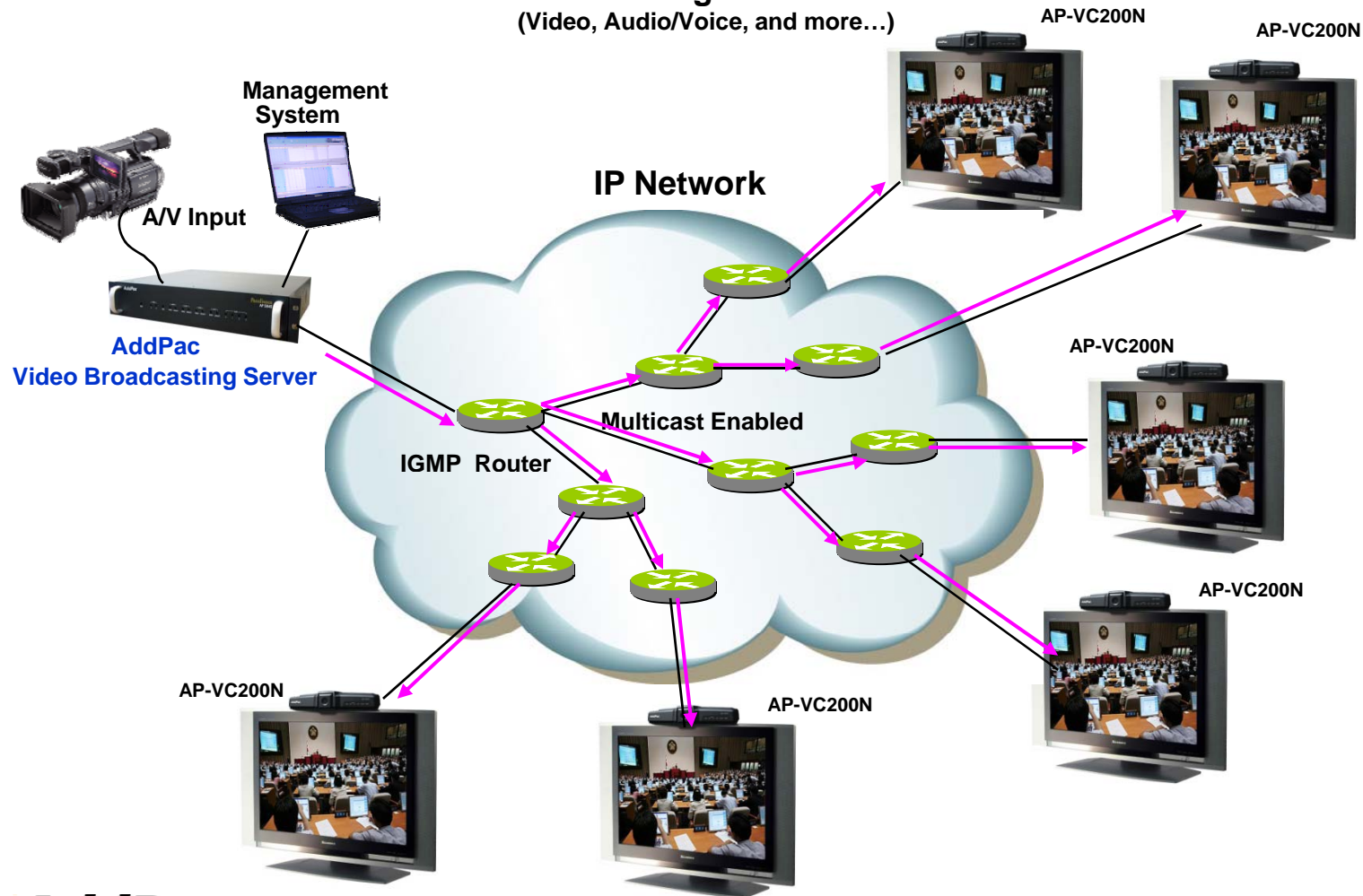
Application Area

- Audio/Video Real-time Broadcasting
- Video on Demand Application
- Video Telephony
- Video Conference

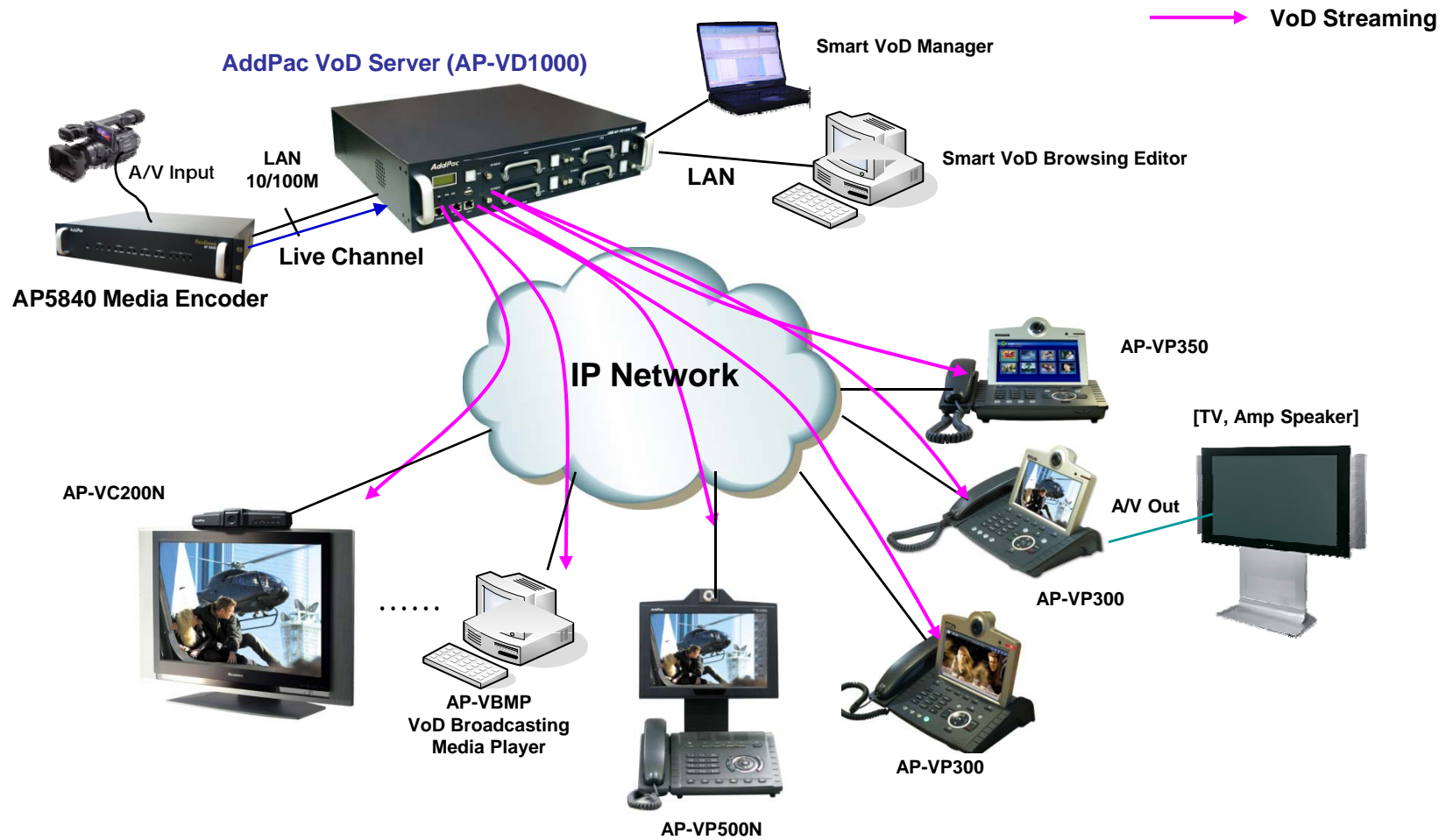


Audio/Video Real-time Broadcasting

Audio and Video Broadcasting Service via Multicasting IP Network (Video, Audio/Voice, and more...)

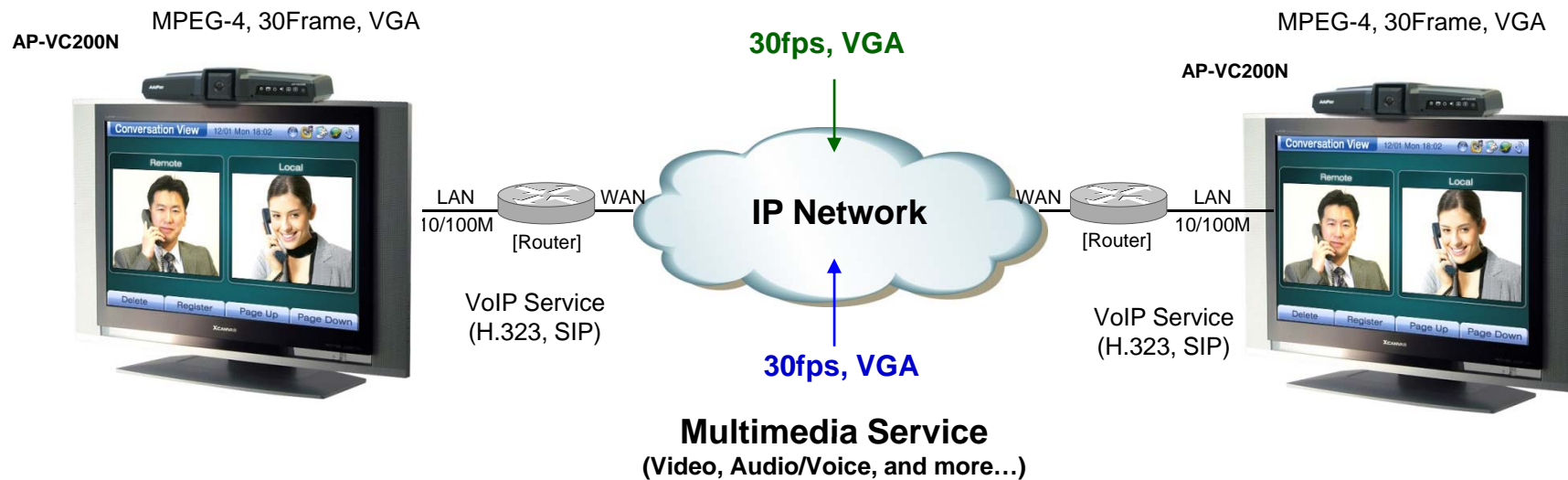


Video on Demand Service

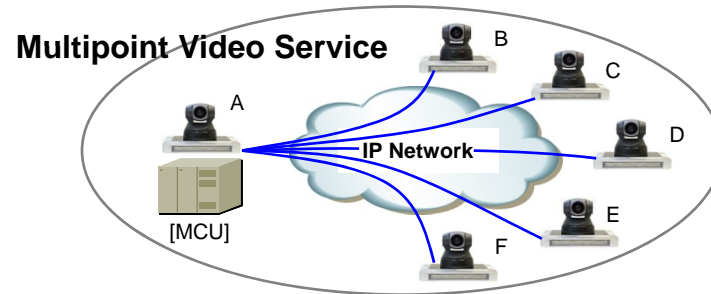


Video Telephony Application

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



Video Conference

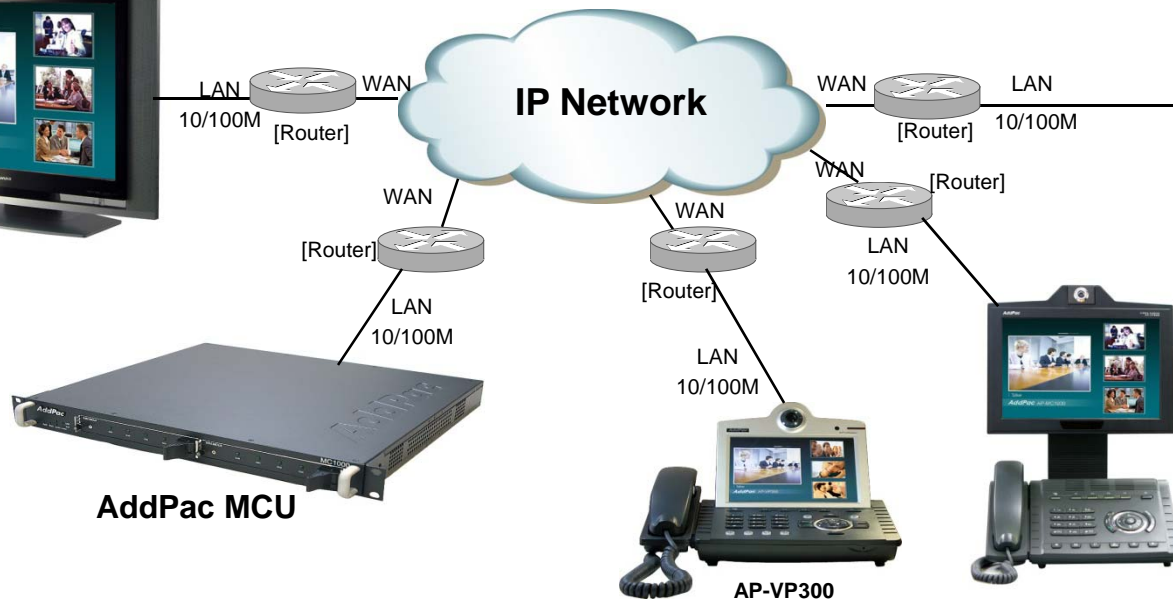


MPEG-4, 30Frame, VGA

MPEG-4, 30Frame, VGA

Multipoint Video Service (Video, Audio/Voice, and more...)

AP-VC200N



AP-VC200N



AddPac MCU

AP-VP300

AP-VP500N

AddPac

www.addpac.com

Remocon Specification



Remote Control

Remote Commander

No	Function	No	Function
1	CALL/Recent Call	10	SLOW PLAY, PLAY, PAUSE, STOP
2	Keypad	11	PREVIOUS, FAST REWARD, FAST FORWARD, NEXT
3	SpeedDial	12	END
4	Zoom In/Out, Volume	13	PhoneBook
5	MENU	14	INFO
6	EXIT	15	ARROW KEY
7	HOLD	16	NTSC/PAL
8	VOD, DISPLAY, VIEW Mode, PAN/TILT	17	PRIVACY
9	DEL, REC, MIRROR, Call Status		

Ordering Information

- **AP-VC200N Video Conference Equipment Hardware**
 - AP-VC200N Video Conference Equipment Main Body
 - RISC Microprocessor with High-end Programmable DSP Architecture
 - Built In HD Camera, Remote Controller
 - Video RCA Output, S-Video Out, Component Out and 3.5mm Audio Input/Output
 - 2-ports 10/100Mbps Fast Ethernet and 1-port RJ45 RS-232C Console
 - 1-Port USB Interface (Master Mode)
 - 1-Port FXS VoIP Interface for Analog Phone
 - 1-Port FXO VoIP Interface for PSTN
 - Including Network Cable Set & Ext. Power Supply, etc.
- **Built-in APOS Internetworking Software for AP-VC200N**
- **Including 1 Year Hardware Warranty**
- **Product Documents**
 - Install and Operation Guide (PDF)
- **Pricing**
 - AddPac Technology Regional Sales Manager
 - Authorized Sales and Marketing Representatives



Thank you!

AddPac Technology Co., Ltd.
Sales and Marketing

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