AP-SVC500 SD Video Conference Equipment

High Performance SD Video Conference Solution

Preliminary Product Overview

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

AddPac

AddPac Technology

Sales and Marketing

www.addpac.com

Contents

- Product Overview

- Benefits and Features

- Hardware Specification

- Multimedia Service

- Software Service

- Network Service and Features

- OSD Software Features

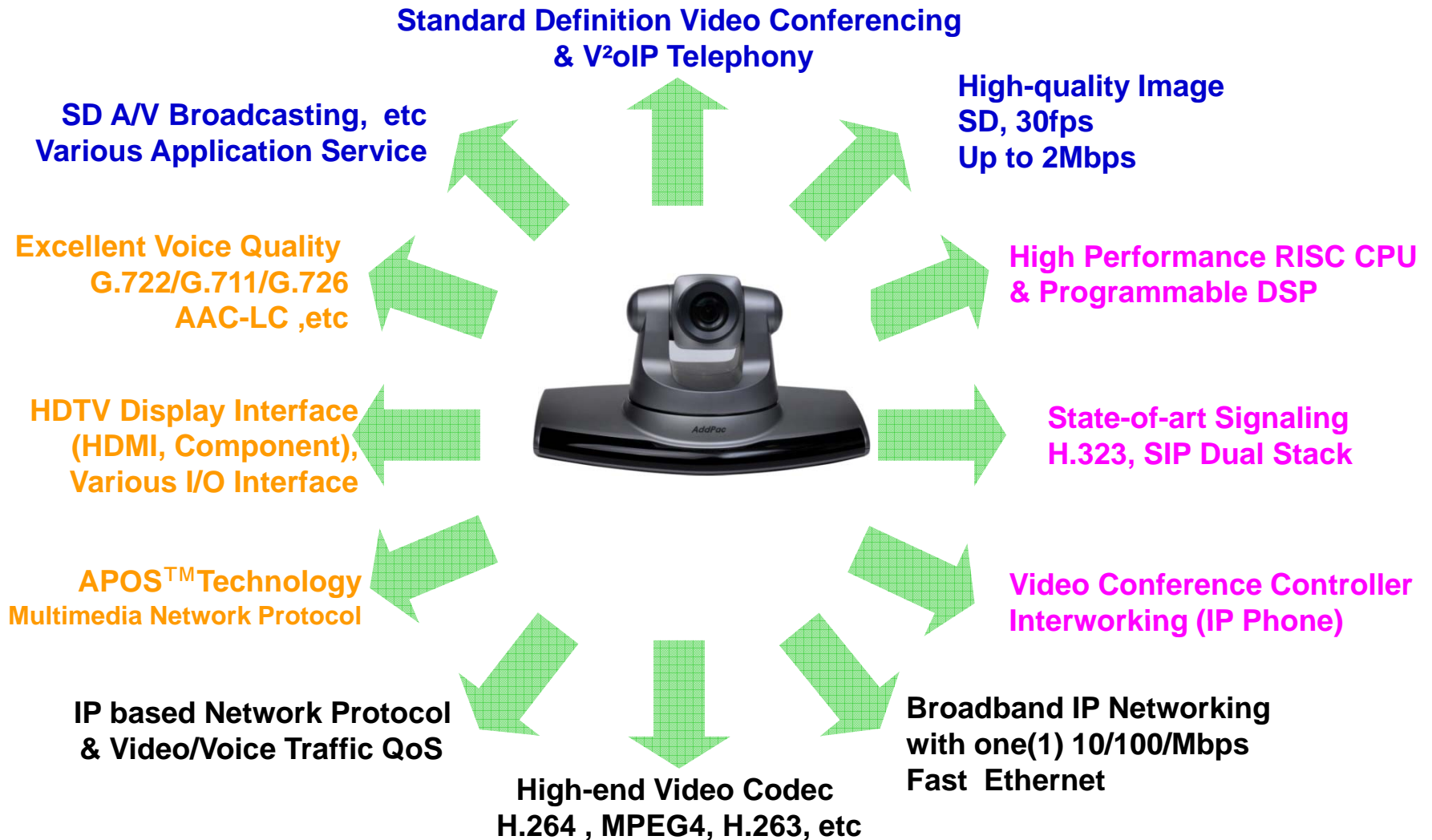- Application Area

- Ordering Information

AddPac

Product Overview

- IP based Video Conference Solution
- Built-In Camera Support
- High-End SD Video Camera Features
- CCD Camera Sensor
- PAN/TILT/Zoom Housing Features
- Optical 37 x Zoom Support
- H.263, MPEG4, H.264 Video Codec Support
- H.323, SIP VoIP Signaling Support
- High-performance Video, Audio, and Voice Service
- Flexible Videoconferencing Deployment
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

AddPac

Product Highlights

Standard Definition Video Conferencing & V²oIP Telephony

High-quality Image SD, 30fps Up to 2Mbps

SD A/V Broadcasting, etc Various Application Service

High Performance RISC CPU & Programmable DSP

Excellent Voice Quality G.722/G.711/G.726 AAC-LC ,etc

State-of-art Signaling H.323, SIP Dual Stack

HDTV Display Interface (HDMI, Component), Various I/O Interface

Video Conference Controller Interworking (IP Phone)

APOS™Technology Multimedia Network Protocol

IP based Network Protocol & Video/Voice Traffic QoS

Broadband IP Networking with one(1) 10/100/Mbps Fast Ethernet

High-end Video Codec H.264 , MPEG4, H.263, etc

AddPac

www.addpac.com

4

Multimedia Service

Multimedia Conferencing, and more… Our Customer Application

Video　　**Audio**　　**Voice**　　**Data**

EMS

OSD

APOS Internetworking Technology

AddPac Video Conference Hardware Platform

Broadband IP Networking

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

AddPac

www.addpac.com

5

Benefits and Features

- Various Video Input/Output Interface
  - Composite (RCA) , Component (Y, Pb, Pr), HDMI
- High-performance Video Codec Support
  - H.264, MPEG4, H.263, etc
- Powerful Image Resolution Support
  - CIF(352x288), QVGA(320x240), HVGA(640x240), VGA(640x480), 4CIF(704x576)
- Up to 30fps with SD-Resolution(H.264)
- Video Conference Call Support (External MCU)
- 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-SVC500 SD Video Conference Equipment

High Performance CPU

High-end DSP
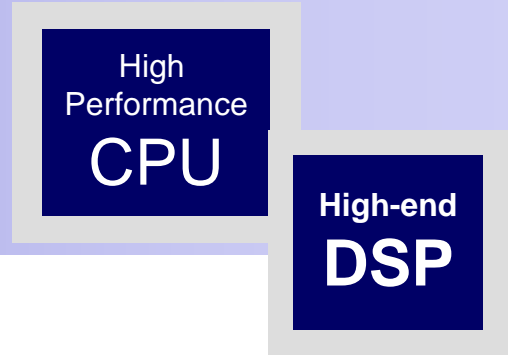
- High Performance RISC Computing Power
- High-end Programmable DSP Hardware Architecture
- Video I/O Interface

Video Input	Built-In SD Video Camera or External Composite RCA
Video Output	Composite RCA, Component , HDMI
Audio Input	Stereo RCA Type Audio Input
Audio Output	RCA Type Audio Output (Left, Right)
PTZ Control	RS-232C Pan/Tilt/Zoom Control Interface

AddPac

Hardware Specification

AP-SVC500 SD Video Conference Equipment

- Camera Specification
  - ¼ Inch, Super HAD Color CCD
  - NTSC : 768(H) x 494(V), PAL : 752(H) x 583 (V)
  - Auto Focus 37 x Optical Zoom
  - PELCO-D Control Protocol
  - Preset
- Network Interface
  - One(1) 10/100Mbps Fast Ethernet(RJ45)
  - One(1) RS-232C Interface (RJ45) for Console
- USB Interface
  - USB 2.0 Interface for Mouse, etc
- Voice Interface
  - FXS Interface for Analog Phone, Analog Conference Phone, etc
- External Power Input Connector
- Power On/Off Switch

AddPac

Hardware Specification

AP-SVC500 SD Video Conference Equipment

High
Performance
CPU

High-end
DSP

SD Camera

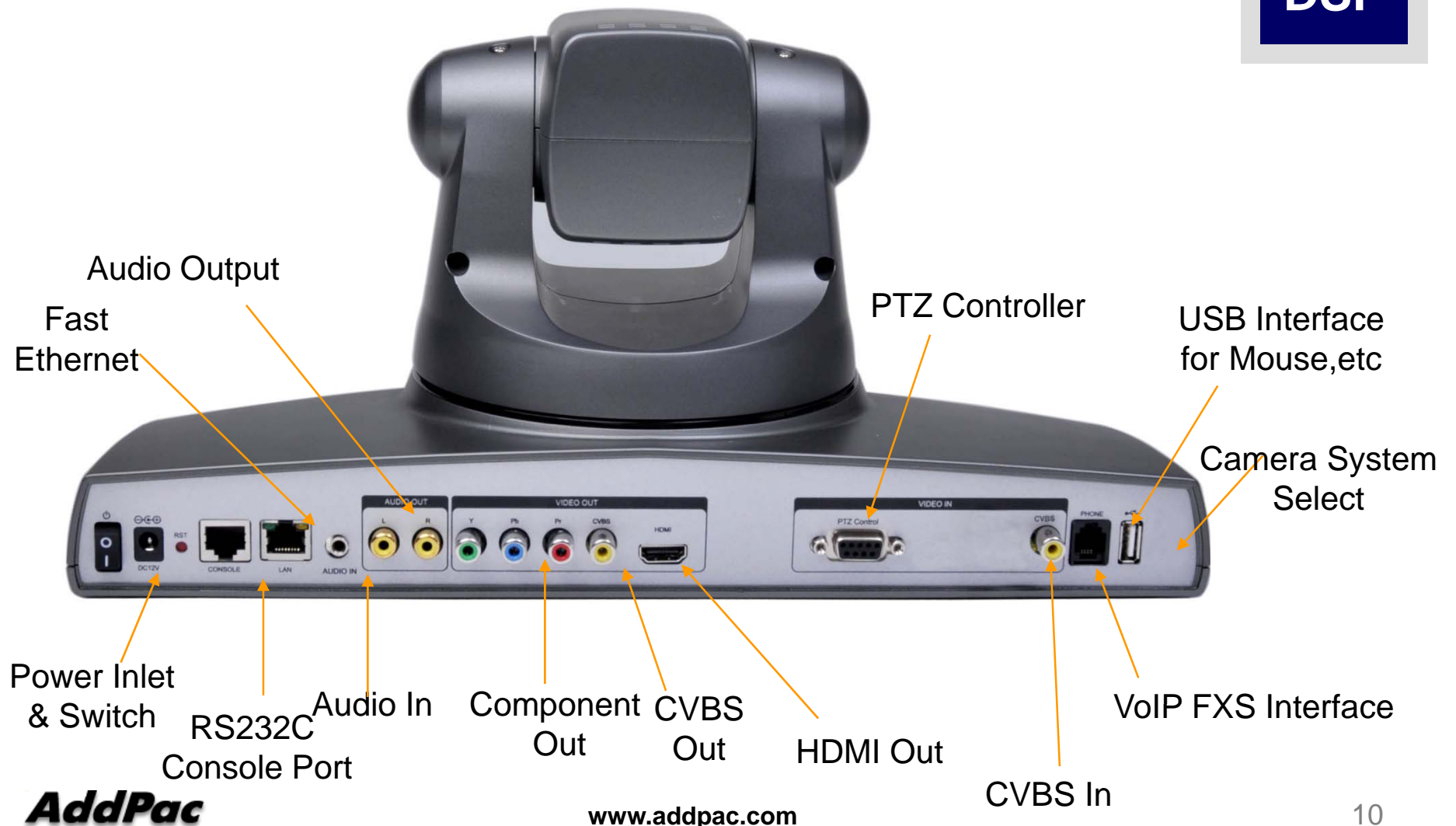IR Sensor & Status Indication Area

AddPac

Hardware Specification

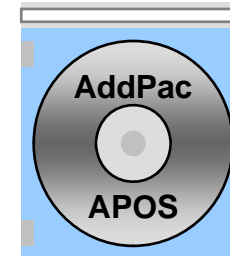## AP-SVC500 SD Video Conference Equipment

High
Performance
CPU

High-end
DSP

Audio Output

Fast
Ethernet

PTZ Controller

USB Interface
for Mouse,etc

Camera System
Select

Power Inlet
& Switch

RS232C
Console Port

Audio In

Component
Out

CVBS
Out

HDMI Out

VoIP FXS Interface

CVBS In

AddPac

www.addpac.com

10

Software Service

- Built-in 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 Architecture
- OSD (On-screen Display) Function Support
- Industry Standard IP based Network Protocol Features

AddPac

Network Service and Features

- **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-SVC500 SD Video Conference Equipment

- **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

AddPac

OSD Software Features

AP-SVC500 SD Video Conference Equipment
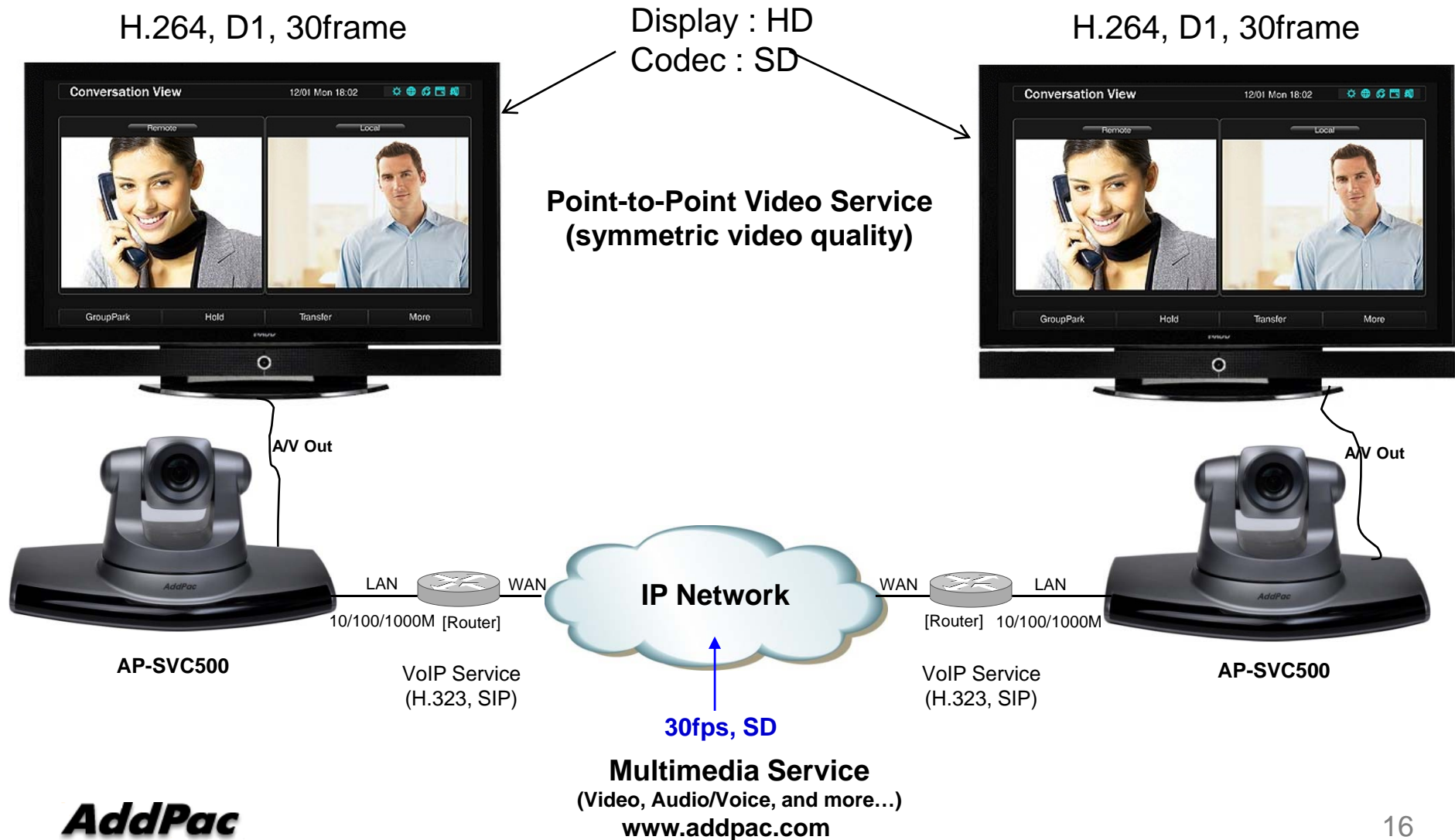
AP-SVC500 SD Video Conference Equipment

Application Area

- Audio/Video Real-time Broadcasting
- Video Telephony
- Video Conference

AddPac

Video Telephony Application

AP-SVC500 D1 Video Conference Equipment

H.264, D1, 30frame

Display : HD
Codec : SD

H.264, D1, 30frame

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

A/V Out

A/V Out

LAN [Router] WAN

IP Network

WAN [Router] LAN

10/100/1000M

10/100/1000M

AP-SVC500

VoIP Service
(H.323, SIP)

VoIP Service
(H.323, SIP)

AP-SVC500

30fps, SD

Multimedia Service
(Video, Audio/Voice, and more…)
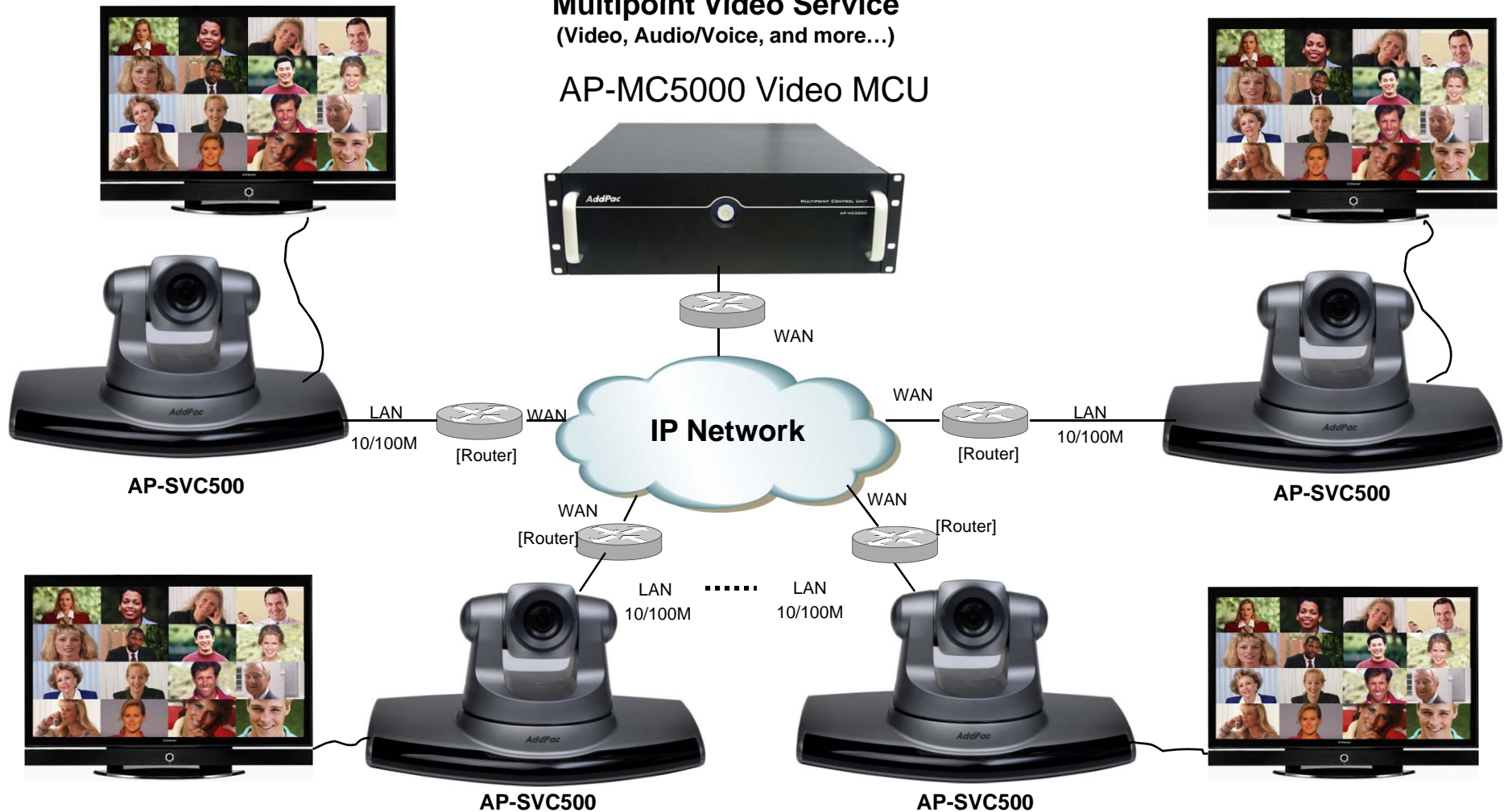**www.addpac.com**

AddPac

16

Video Conference

AP-HVC500 HD Video Conference Equipment

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

AP-MC5000 Video MCU

IP Network

WAN

LAN
10/100M

WAN

[Router]

WAN

LAN
10/100M

[Router]

AP-SVC500

AP-SVC500

WAN

[Router]

WAN

[Router]

LAN
10/100M

LAN
10/100M

AP-SVC500

AP-SVC500

AddPac

www.addpac.com

Ordering Information

- AP-SVC500 SD Video Conference Equipment
  - AP-SVC500 SD Video Conference Equipment
  - Including Network Cable Set & Power Supply Cable, etc.
- Built-in APOS Internetworking Software for AP-SVC500
- 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

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

AddPac