AP-SVC200™ SD
Video Conference Equipment

High Performance Full HD Video Conference Solution

Preliminary Product Overview

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

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AddPac Technology

2012, 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

Product Overview

- IP based Video Conference Solution
- Built-In SD Camera Support
- CCD Camera Sensor
- Various Video Format Support
- PAN/TILT/Zoom Housing Features
- Optical 37 x Zoom Camera
- 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
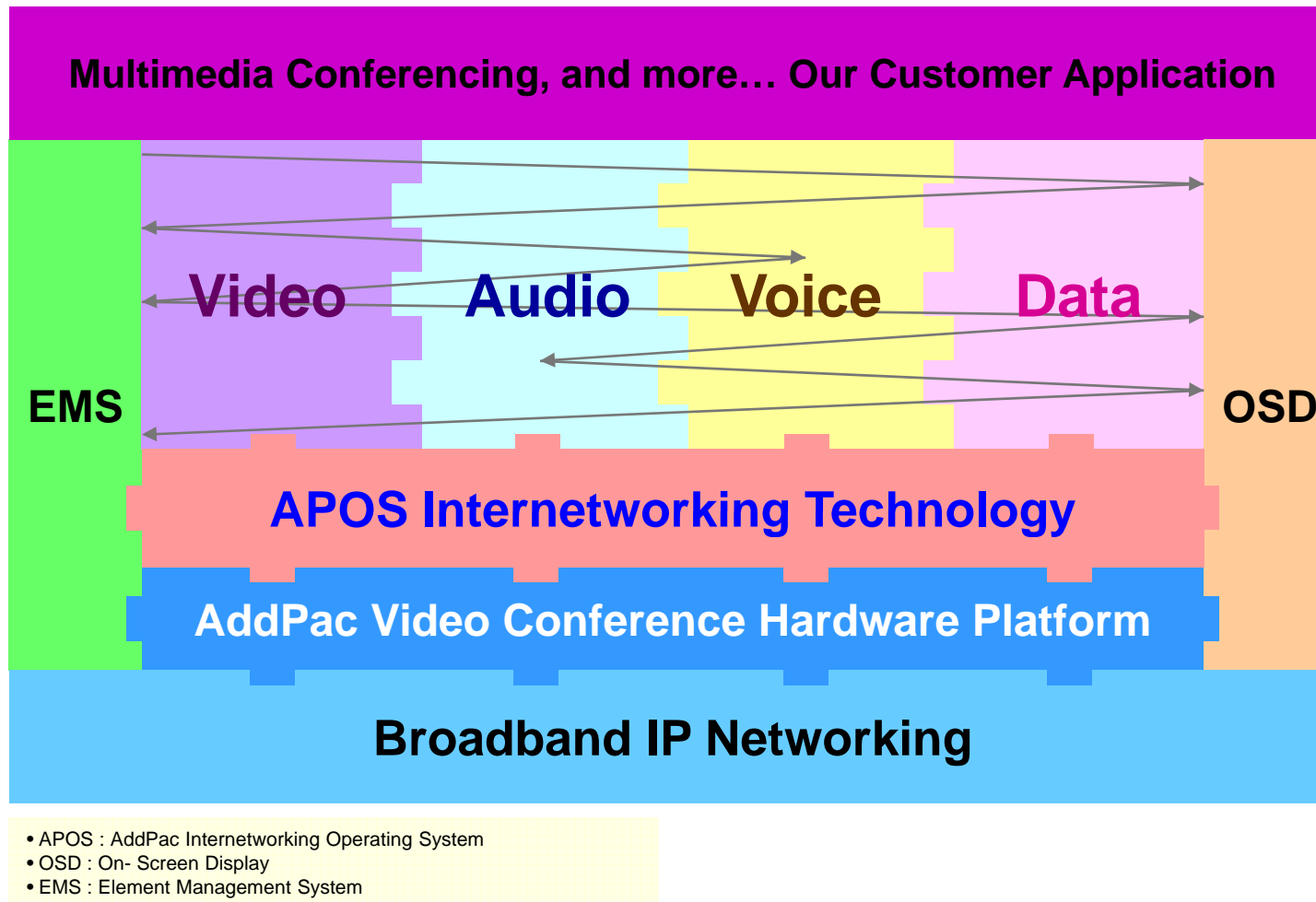- Audio/Video Privacy Protection

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Product Highlights

**Standard Definition Video Conferencing
& V²oIP Telephony**

**SD A/V Broadcasting, etc
Various Application Service**

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

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

**High Performance RISC CPU
& Programmable DSP**

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

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

**APOS™Technology
Multimedia Network Protocol**

**Video Conference Controller
Interworking (IP Phone)**

**IP based Network Protocol
& Video/Voice Traffic QoS**

**High-end Video Codec
H.264, MPEG4, H263**

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

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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

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Benefits and Features

- Various Video Output Interface
  - Composite (RCA) , Component (Y, Pb, Pr), HDMI
- High-performance Video Codec Support
  - H.264, MPEG4, H.263
- Powerful Image Resolution Support
  - CIF(352x288), QVGA(320x240), HVGA(640x240), VGA(640x480), 4CIF(704x576)
- Up to 30fps with SD-Resolution(H.264)
- HD Display via HDMI or Component Video Output Interface
- 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

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Hardware Specification

AP-SVC200 SD Video Conference Equipment

- High-end Programmable DSP Hardware Architecture
- Video Output Interface
  - Composite RCA Out, Component Out, HDMI Out
- Audio Interface
  - Stereo RCA Type Audio Output Connector (Left, Right)
  - Stereo Audio Input(3.5mm) for External MIC input
- 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

Hardware Specification

AP-SVC200 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 27 x Optical Zoom
    - PELCO-D Control Protocol
    - Preset
- IR Interface for Remote Control (Remocon)
- Power ON/OFF Switch

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Hardware Specification

High
Performance
CPU

High-end
DSP

IR Sensor & Status Indication Area

Hardware Specification

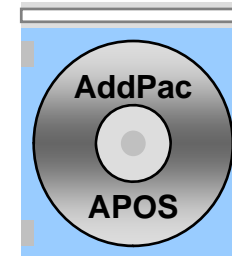## AP-SVC200 SD Video Conference Equipment

High
Performance
CPU

High-end
DSP

Component
Video Output

HDMI Out

Fast
Ethernet

USB Interface
for Mouse,etc

Power Inlet
& Switch

RS232C
Console Port

Audio In/Output

CVBS Output

VoIP FXS Interface

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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

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APOS

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-SVC200 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

OSD Software Features

AP-SVC200 SD Video Conference Equipment OSD Service
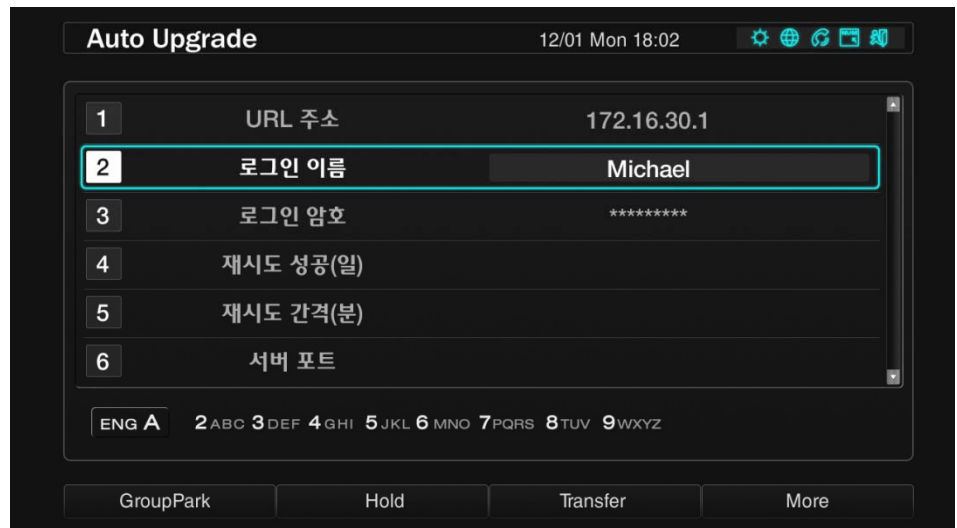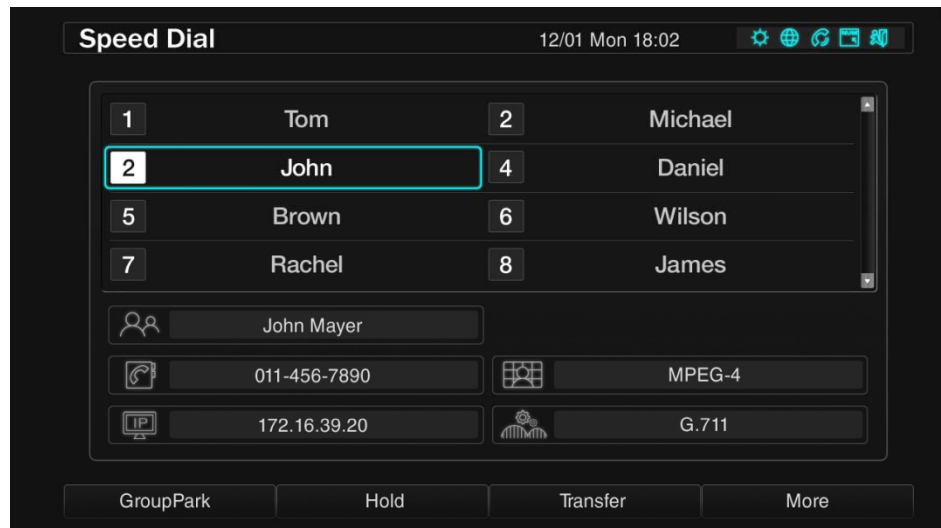
AP-SVC200 SD Video Conference Equipment

Application Area

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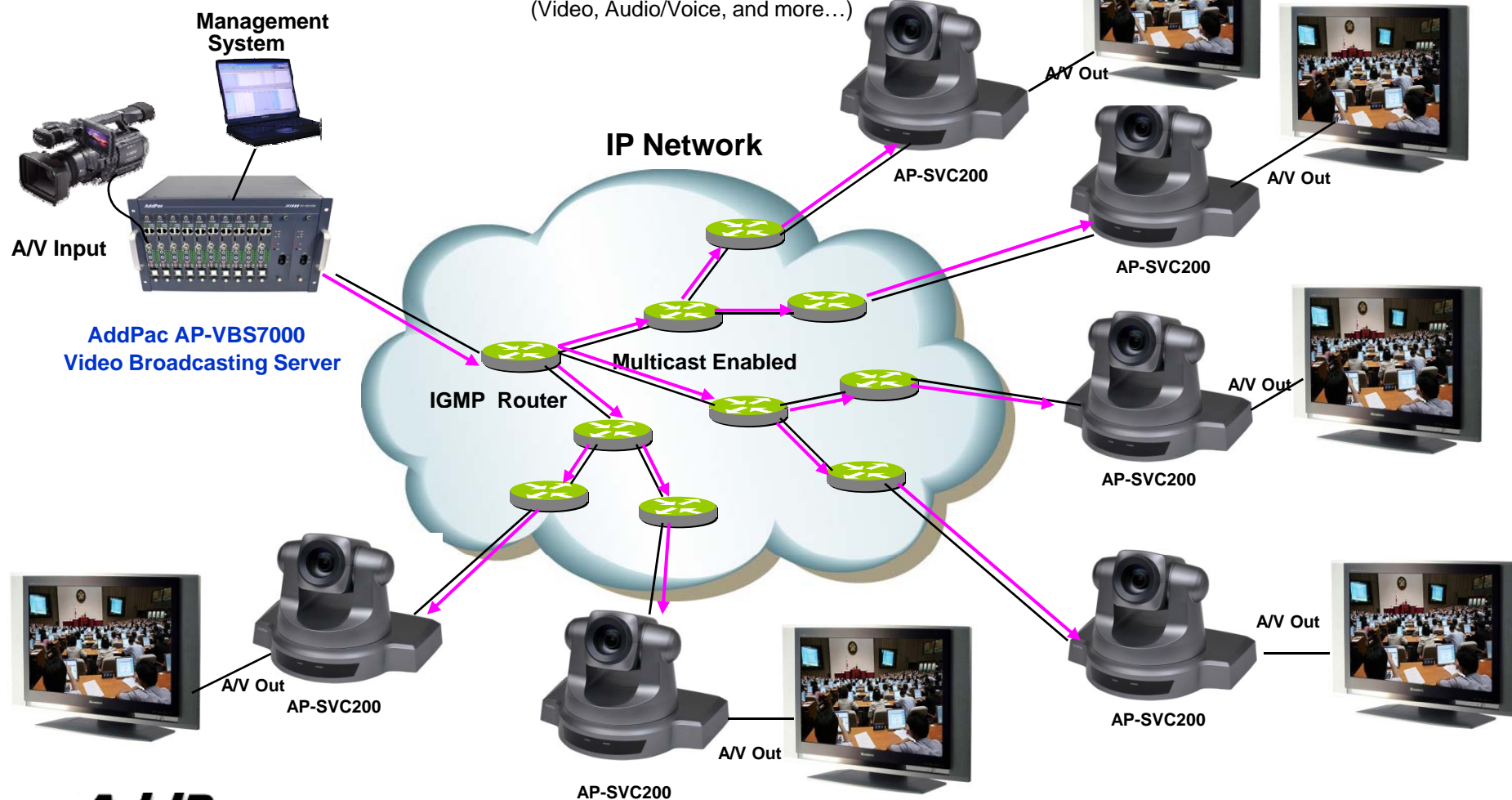- Video Telephony
- Video Conference

Audio/Video Real-time Broadcasting

AP-SVC200 SD Video Conference Equipment

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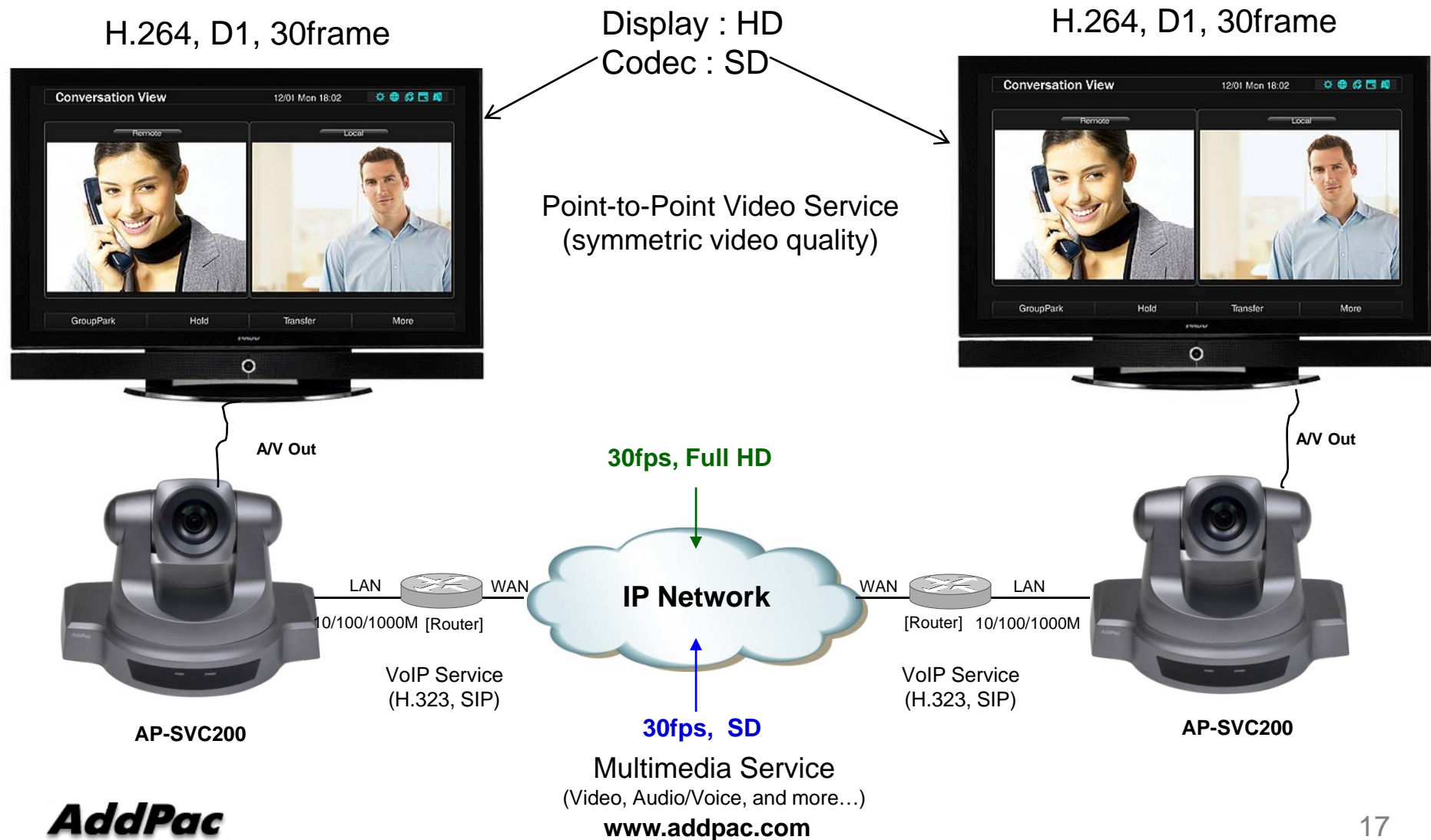(Video, Audio/Voice, and more…)

Management System

A/V Input

AddPac AP-VBS7000
Video Broadcasting Server

IP Network

IGMP Router

Multicast Enabled

AP-SVC200

A/V Out

A/V Out

A/V Out

A/V Out

A/V Out

A/V Out

A/V Out

Video Telephony Application
AP-SVC200 SD 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

30fps, Full HD

LAN [Router] WAN

IP Network

WAN [Router] LAN

10/100/1000M

10/100/1000M

VoIP Service
(H.323, SIP)

VoIP Service
(H.323, SIP)

AP-SVC200

AP-SVC200

30fps, SD

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

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Video Conference

AP-SVC200 SD Video Conference Equipment

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

AP-MC5000 Video MCU

IP Network

WAN

WAN

WAN

WAN

WAN

LAN
10/100M

LAN
10/100M

LAN
10/100M

LAN
10/100M

[Router]

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**AP-SVC200
SD Video Codec**

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SD Video Codec**

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SD Video Codec**

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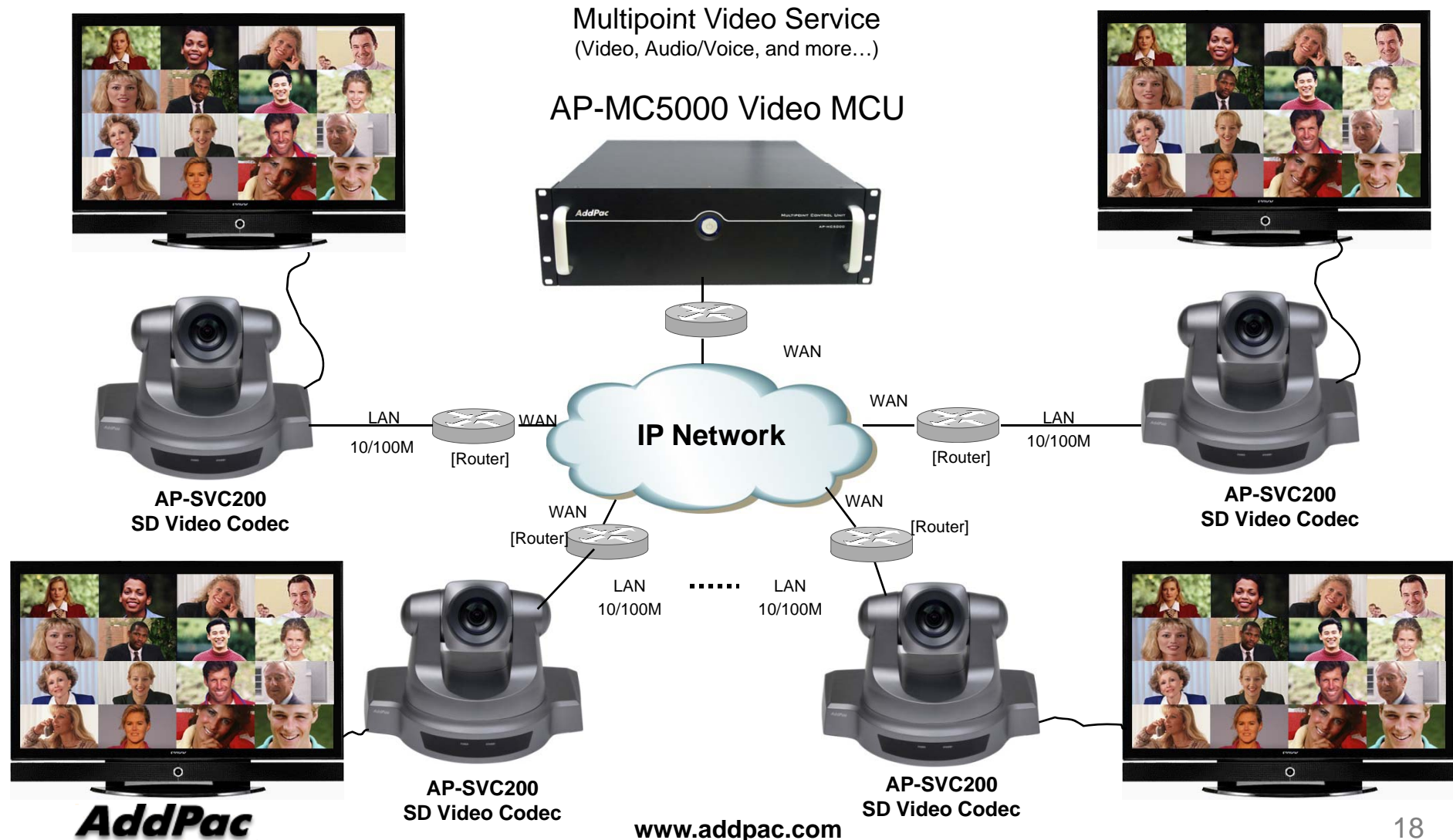
Ordering Information

- AP-SVC200 SD Video Conference Equipment Hardware
  - AP-SVC200 SD Video Conference Equipment
  - Including Network Cable Set & Power Supply Cable, etc.
- Built-in APOS Internetworking Software for AP-SVC200
- 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!

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