

# AP-HVC500 HD Video Conference Equipment

High Performance HD Video Conference Solution



## Preliminary Product Overview

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

**AddPac**

**AddPac Technology**

2012, Sales and Marketing

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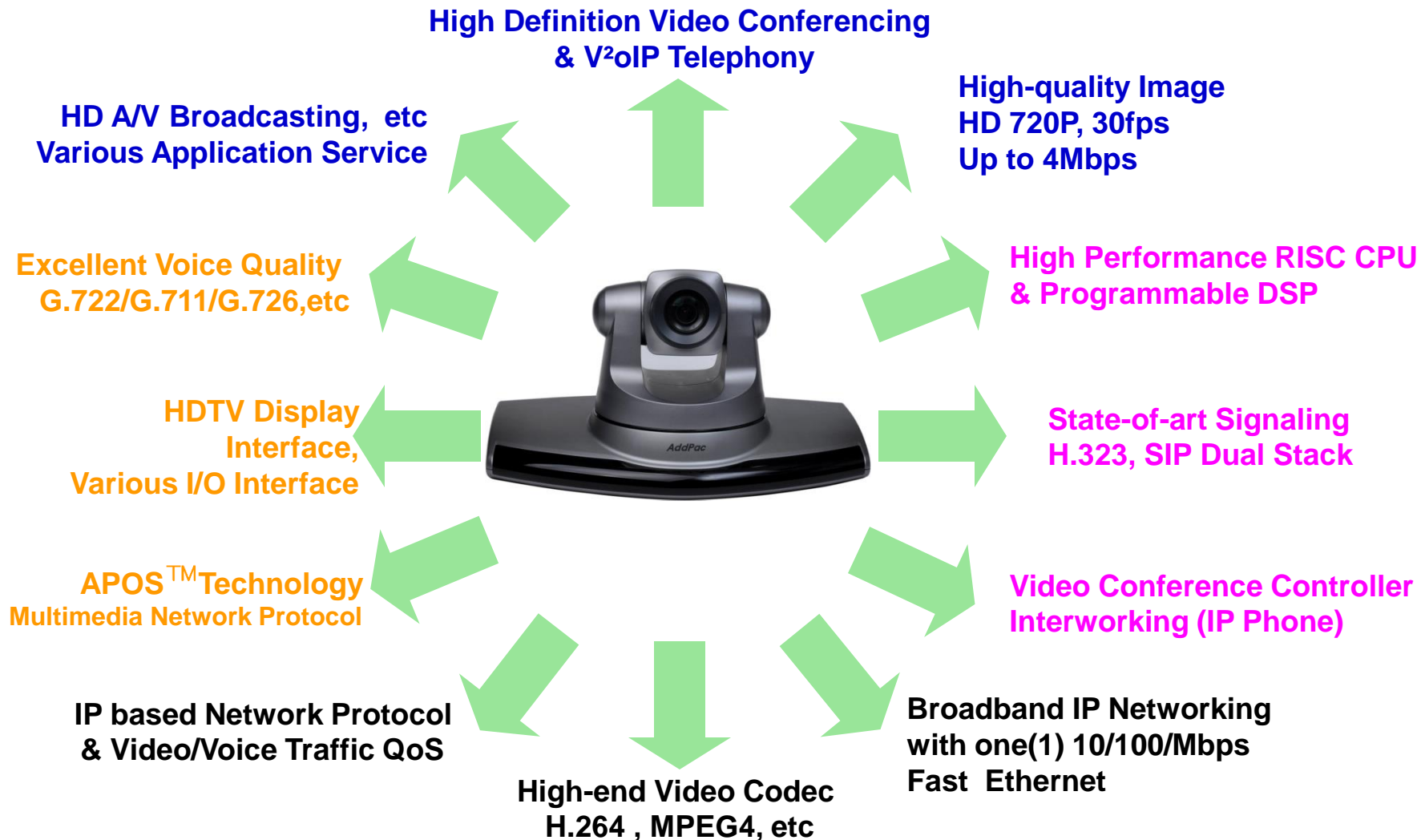
# Product Overview

## AP-HVC500 HD Video Conference Equipment

- IP based Video Conference Solution
- High-End HD Video Camera Features
- CCD Camera Sensor, 1.3Mega Pixel Camera
- Various Video Format Support
- PAN/TILT/Zoom Housing Features
- Optical 18 x Zoom 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

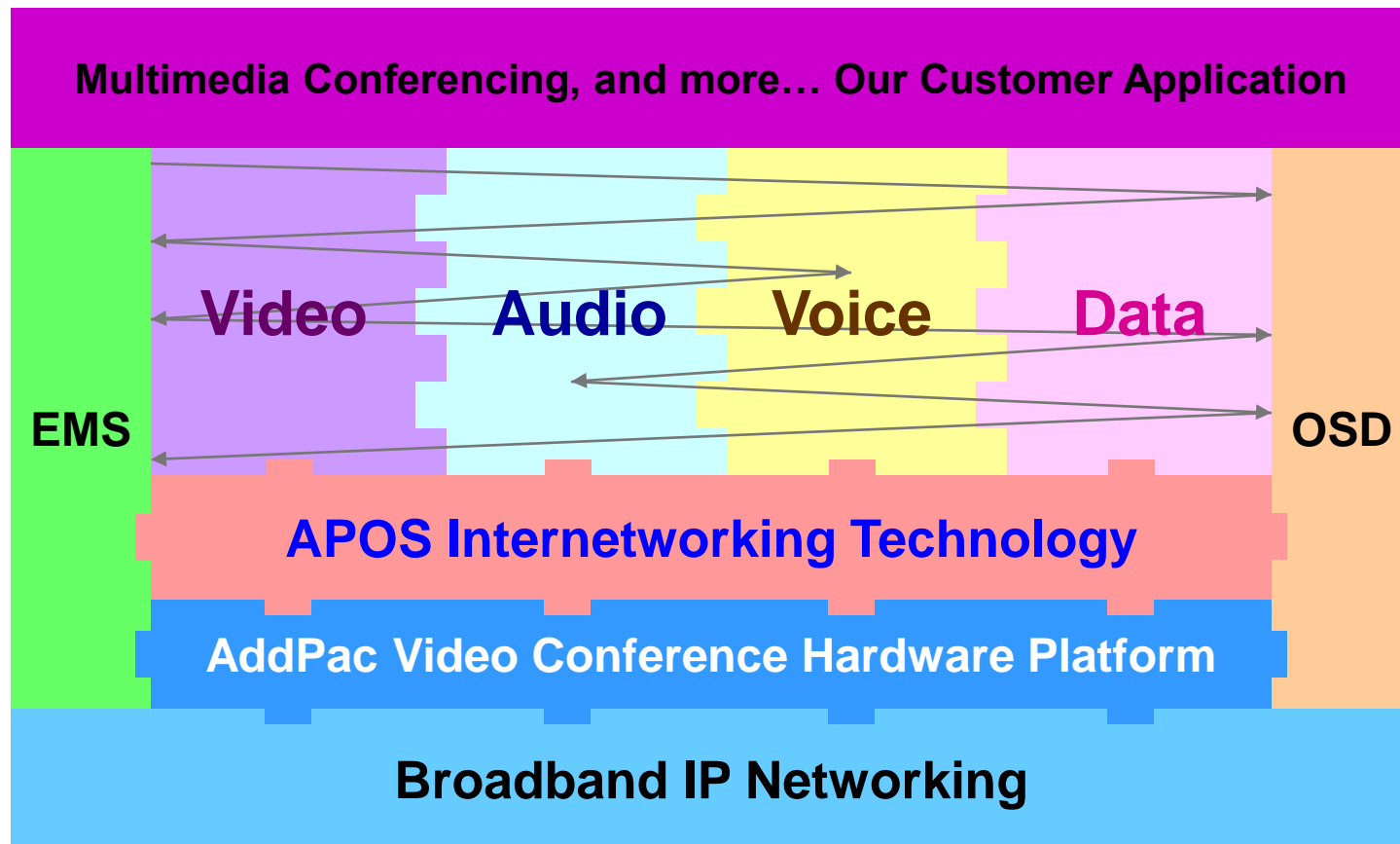
# Product Highlights

## AP-HVC500 HD Video Conference Equipment



# Multimedia Service

AP-HVC500 HD Video Conference Equipment



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

# Benefits and Features

## AP-HVC500 HD Video Conference Equipment

- Various Video Input/Output Interface
  - Composite (RCA) , Component (Y, Pb, Pr), HDMI
- High-performance Video Codec Support
  - H.264, MPEG4, etc
- Powerful Image Resolution Support
  - CIF(352x288), QVGA(320x240), HVGA(640x240), VGA(640x480), 4CIF(704x576), 720P(1280x720)
- Up to 30fps with HD-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-HVC500 HD 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 HD Video Camera, Composite RCA, HD-SDI, HDMI |
| 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               |

# Hardware Specification

AP-HVC500 HD Video Conference Equipment

High  
Performance  
**CPU**

High-end  
**DSP**

- High-end Programmable DSP Hardware Architecture
- 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



# Hardware Specification

## AP-HVC500 HD Video Conference Equipment

- Camera Specification
  - 1/3 Type Solid State Progressive Scan CCD
  - HD : 1280(H) x 720(V), 30/25/22.5fps
  - Auto Focus 18 x Optical Zoom, 12 x Digital Zoom
  - 1.3 Mega Pixel
  - Wide Angle Lens for Video Conference Application
  - PELCO-D Control Protocol
  - Position Preset

# Hardware Specification

AP-HVC500 HD Video Conference Equipment

High  
Performance  
CPU

High-end  
DSP



HD Camera

IR Sensor & Status Indication Area

# Hardware Specification

AP-HVC500 HD Video Conference Equipment

High Performance  
**CPU**

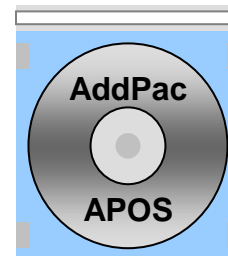
High-end  
**DSP**



# Software Service

## AP-HVC500 HD Video Conference Equipment

- 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



# Network Service and Features

## AP-HVC500 HD Video Conference Equipment

- **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-HVC500 HD 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 Overview

# Contents

- Menu Control Mode
- Dial Mode
- Conversation View Mode
- Display Layout Call Mode
- Key Pad Mode for Dialing Number
- Phone Book OSD
- Phone Book : New Contact
- Recent Call OSD
- Tools OSD Mode
- Codec Configuration : IP address, etc
- Status Bars OSD
- PTZ Control OSD



# Menu Control Mode

Keypad, Phonebook, Recent Call, PTZ Control, Tools, Layout, Configuration



Menu Bar Indication  
ICON

Function Key List  
for Soft-key

# Dialing OSD



# Conversation View Mode



Remote Site View

PIP : Local Site View

# Conversation View Mode



Remote Site Full Screen View

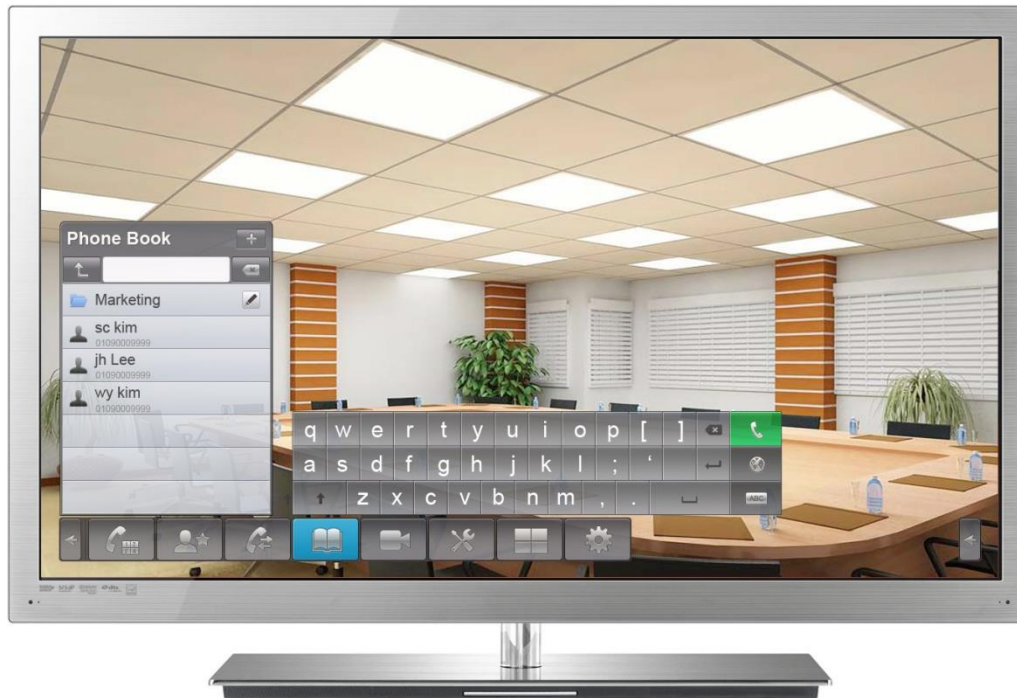
# Display Layout Control Mode



# Keypad Menu for Dialing Number



# Phone Book OSD Menu



# Phone Book OSD Menu : New Contact





# Recent Call OSD Menu



# Tools OSD Menu



# Codec Configuration



# Status Indication Bars OSD

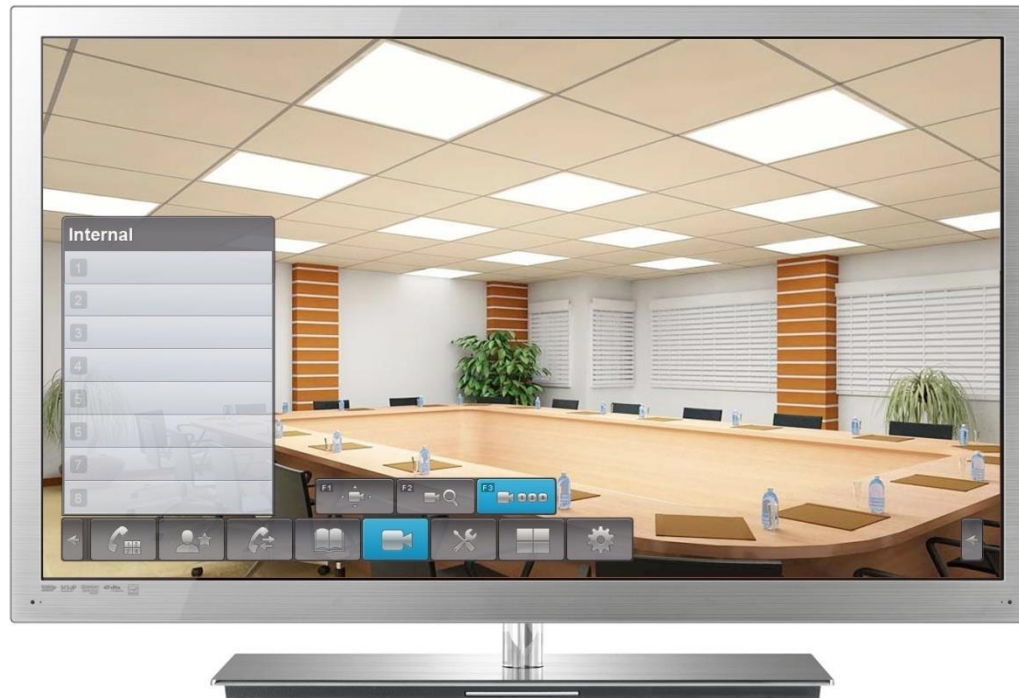
Status Bars



# PTZ Control : Camera Select



# PTZ Control : Preset Setting



# AP-HVC500 HD Video Conference Equipment

## Application Area

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



# Video Telephony Application

## AP-HVC500 HD Video Conference Equipment

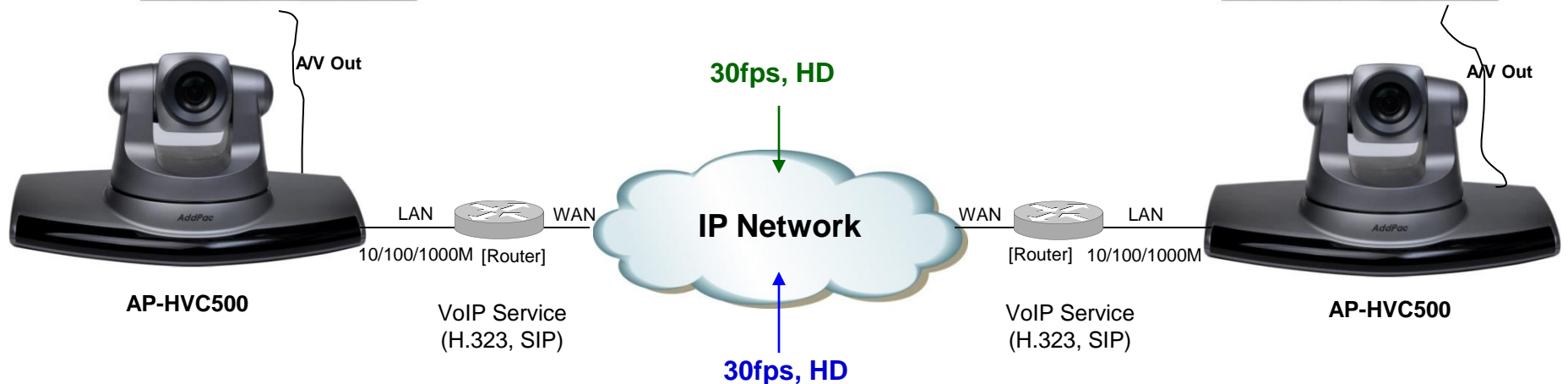
H.264, 720P, 30frame



H.264, 720P, 30frame



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



**Multimedia Service**

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

[www.addpac.com](http://www.addpac.com)

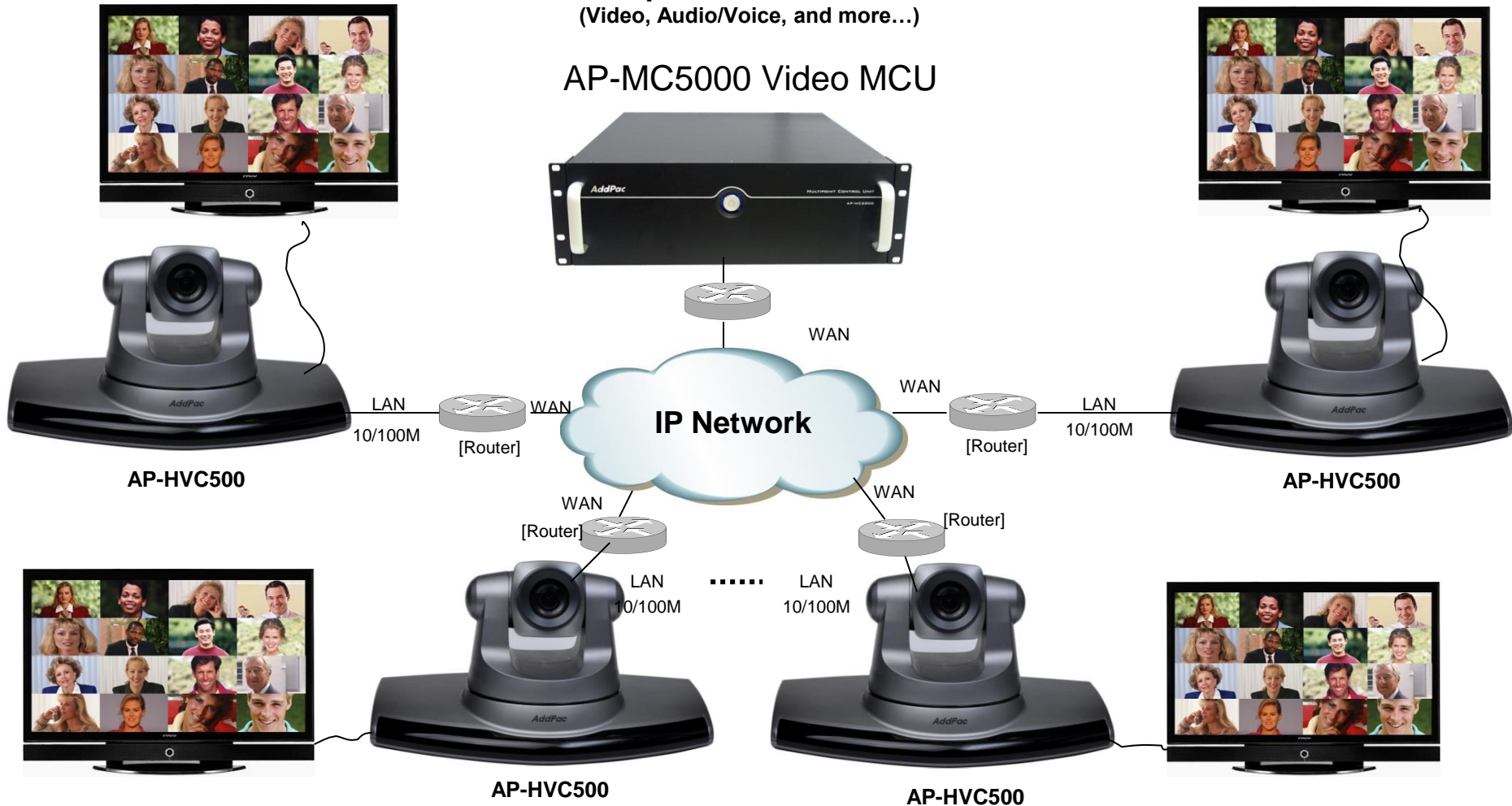


# Video Conference

## AP-HVC500 HD Video Conference Equipment

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

AP-MC5000 Video MCU



# Ordering Information

- AP-HVC500 HD Video Conference Equipment
  - AP-HVC500 HD Video Conference Equipment
  - Including Network Cable Set & Power Supply Cable, etc.
- Built-in APOS Internetworking Software for AP-HVC500
- 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](http://www.addpac.com)

# Thank you!

**AddPac Technology Co., Ltd.**  
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