

# AP-HVC100 Cost Effective HD Video Conference Equipment

High Performance HD Video Conference Solution



**AddPac**

**AddPac Technology**

2014, Sales and Marketing

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

## AP-HVC100 HD Video Conference Equipment

- IP based Video Conference Solution
- High-End HD Video Camera Features
- Sony 1/2.8-type Exmor CMOS Sensor
- Various Video Format Support : 720p/30, etc
- PAN/TILT/Zoom Housing Features
- Optical 3 x Zoom Camera
- High-performance Video, Audio, and Voice Service
- Flexible Videoconferencing Deployment
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

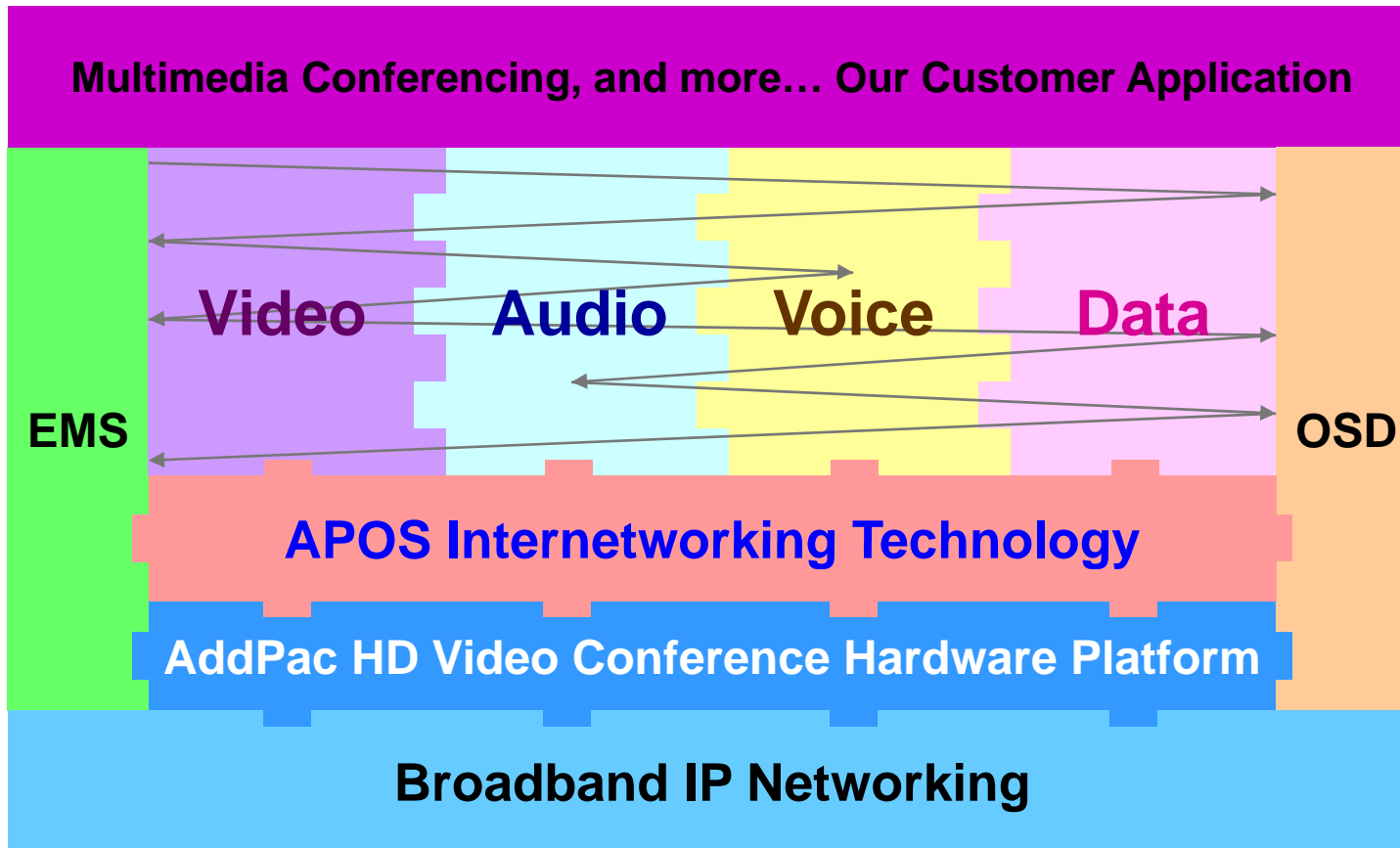
# Product Highlights

AP-HVC100 HD Video Conference Equipment



# Multimedia Service

AP-HVC100 HD Video Conference Equipment



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

# Benefits and Features

## AP-HVC100 HD Video Conference Equipment

- Various Video Output Interface
  - Composite (RCA) , Component (Y, Pb, Pr), HDMI
- High-performance Video Codec Support
  - H.264, MPEG4
- 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-HVC100 HD Video Conference Equipment

High  
Performance  
**CPU**

High-end  
**DSP**

- 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 (Option)
  - FXS Interface for Analog Phone, Analog Conference Phone, etc

# Hardware Specification

AP-HVC100 HD Video Conference Equipment

High  
Performance  
**CPU**

High-end  
**DSP**

- **Camera Module Specification**
  - Image Sensor : 1/2.8-type Exmor Sony CMOS Sensor
  - Signal System (HD) : 1080p/30, 1080p/25, 720p/30, 720p/25, etc
  - Effective Lines (H x V) : 1920 x 1080, 1280 x 720
  - Wide-D Function
  - Auto ICR Function
  - Noise Reduction
  - Digital Zoom Function
  - Primary Zone Masking
  - Motion Detection
  - Color Enhancement Function
- **Video I/O Interface**
  - Composite RCA Out, Component Out, HDMI Out Interface
- **RS232/RS485 Interface for External PTZ Control**
- **IR Interface for Remote Control (Remocon)**
- **Power ON/OFF Switch**



# Hardware Specification

AP-HVC100 HD Video Conference Equipment

High  
Performance  
**CPU**

High-end  
**DSP**



IR Sensor & Status Indication Area

**AddPac**

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# Hardware Specification

AP-HVC100 HD Video Conference Equipment

High Performance  
**CPU**

High-end  
**DSP**



**AddPac**

RS232C  
Console Port

Audio In/Output  
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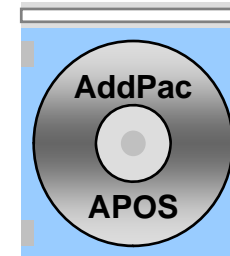
CVBS Output

VoIP FXS Interface  
(option) 10

# Software Service

## AP-HVC100 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-HVC100 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-HVC100 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 Feature

# OSD Software Features

AP-HVC100 HD Video Conference Equipment OSD Service

- 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

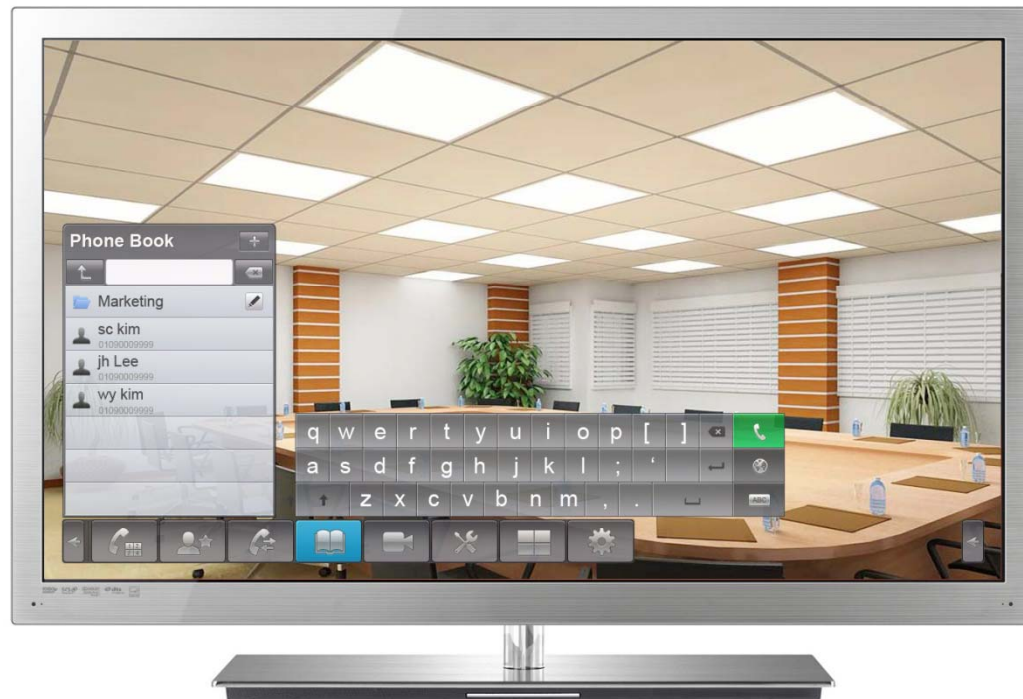
# Display Layout Control Mode



# Keypad Menu for Dialing Number



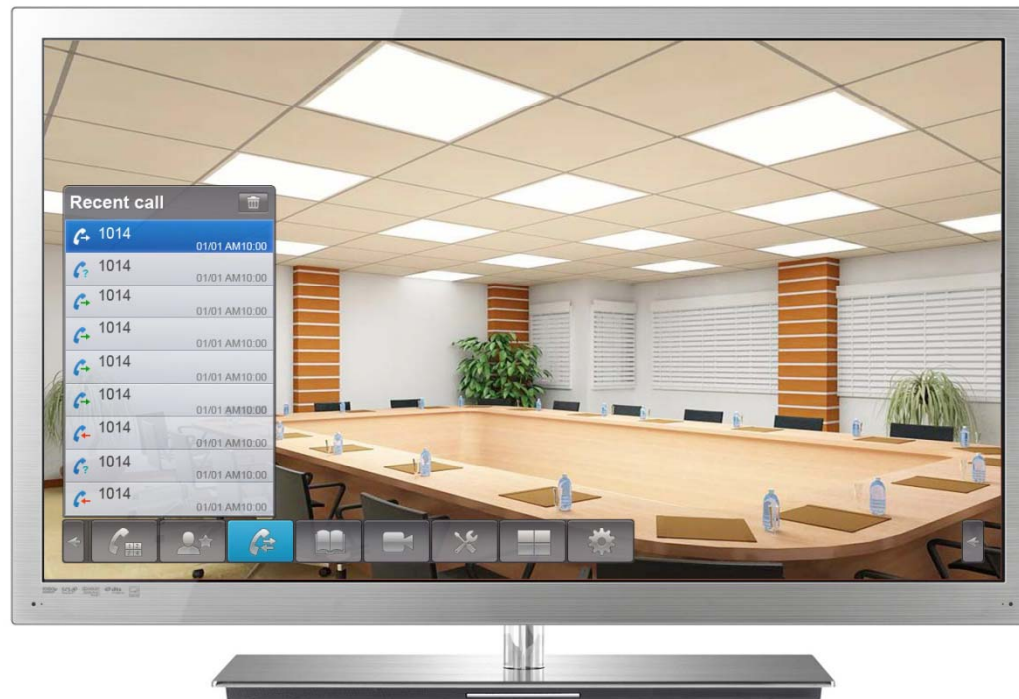
# Phone Book OSD Menu



# Phone Book OSD Menu : New Contact



# Recent Call OSD Menu





# Tools OSD Menu



# Codec Configuration



# Status Indication Bars OSD

Status Bars



# PTZ Control : Camera #1



# PTZ Control : Camera Select



# PTZ Control : Preset Setting



# AP-HVC100 HD Video Conference Equipment

## Application Area

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



# Video Telephony Application

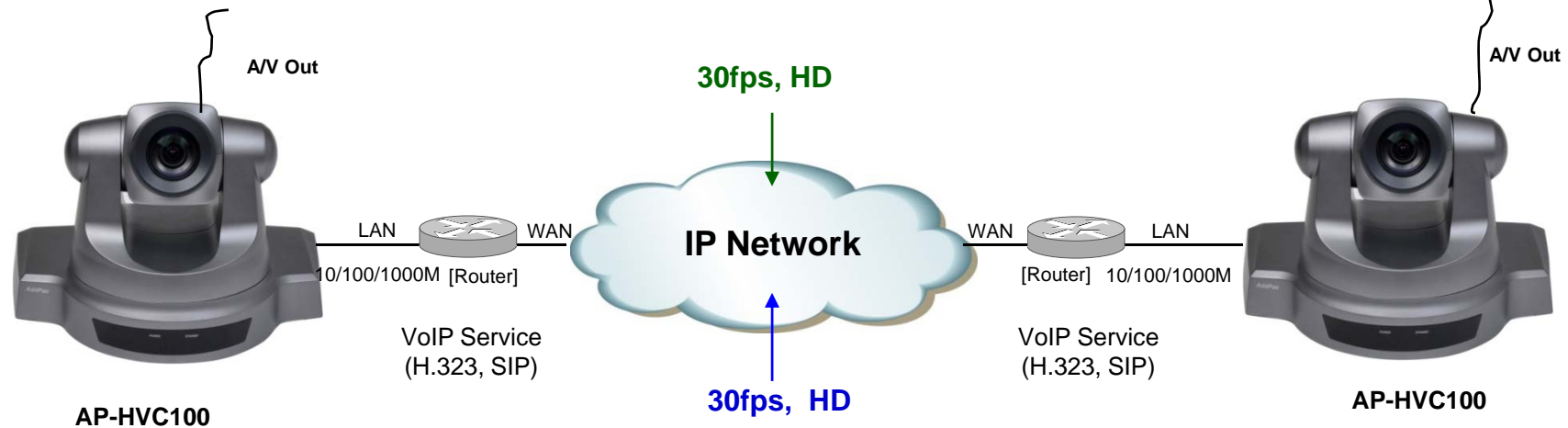
AP-HVC100 HD Video Conference Equipment

H.264, 720P, 30frame

H.264, 720P, 30frame



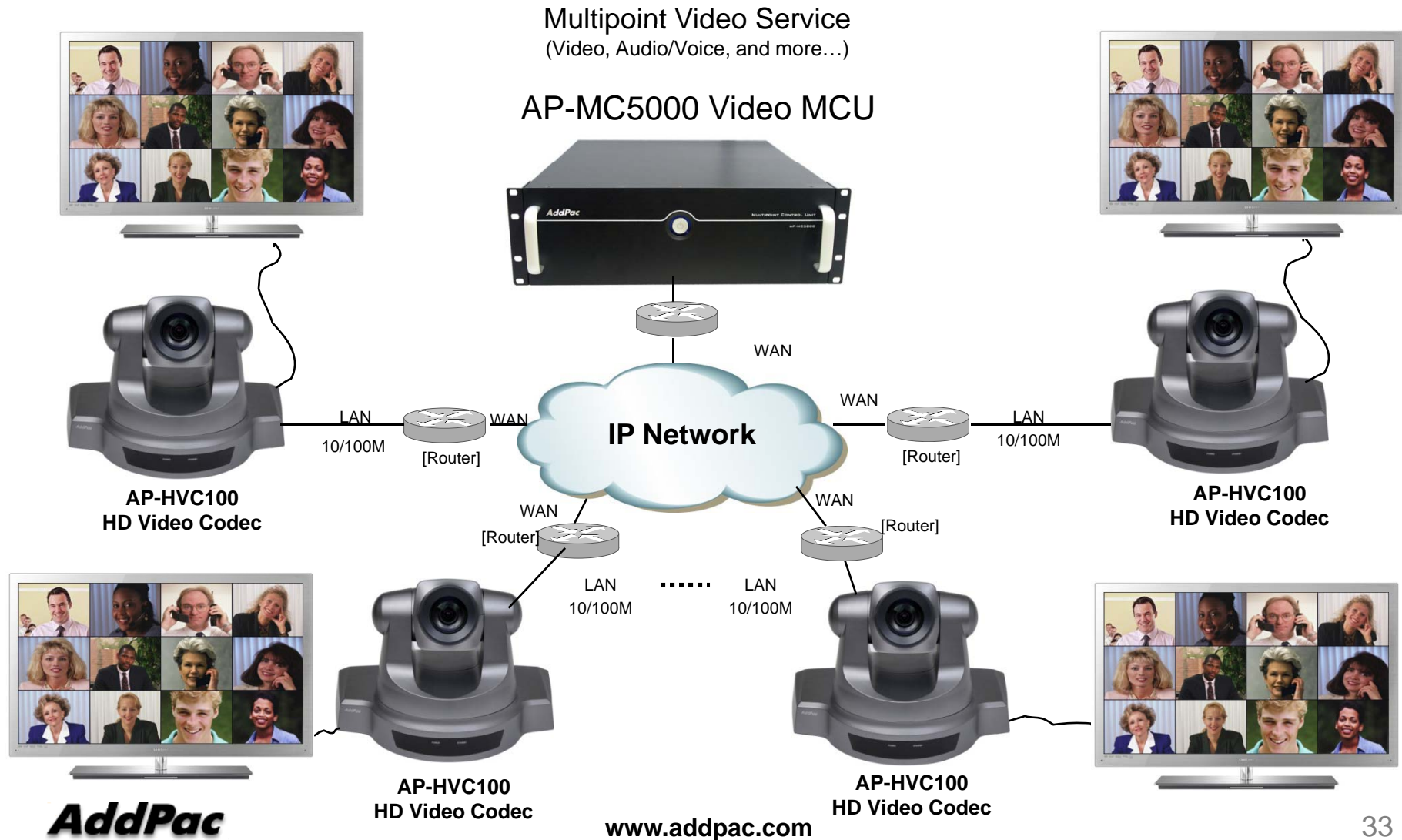
Point-to-Point Video Service  
(symmetric video quality)





# Video Conference

## AP-HVC100 HD Video Conference Equipment



# Ordering Information

- AP-HVC100 HD Video Conference Equipment Hardware
  - AP-HVC100 HD Video Conference Equipment
  - Including Network Cable Set & Power Supply Cable, etc.
- Built-in APOS Internetworking Software for AP-HVC100
- 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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