

AP-HVC100 Cost Effective HD Video Conference Equipment

High Performance HD Video Conference Solution



AddPac

AddPac Technology

Sales and Marketing

www.addpac.com

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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

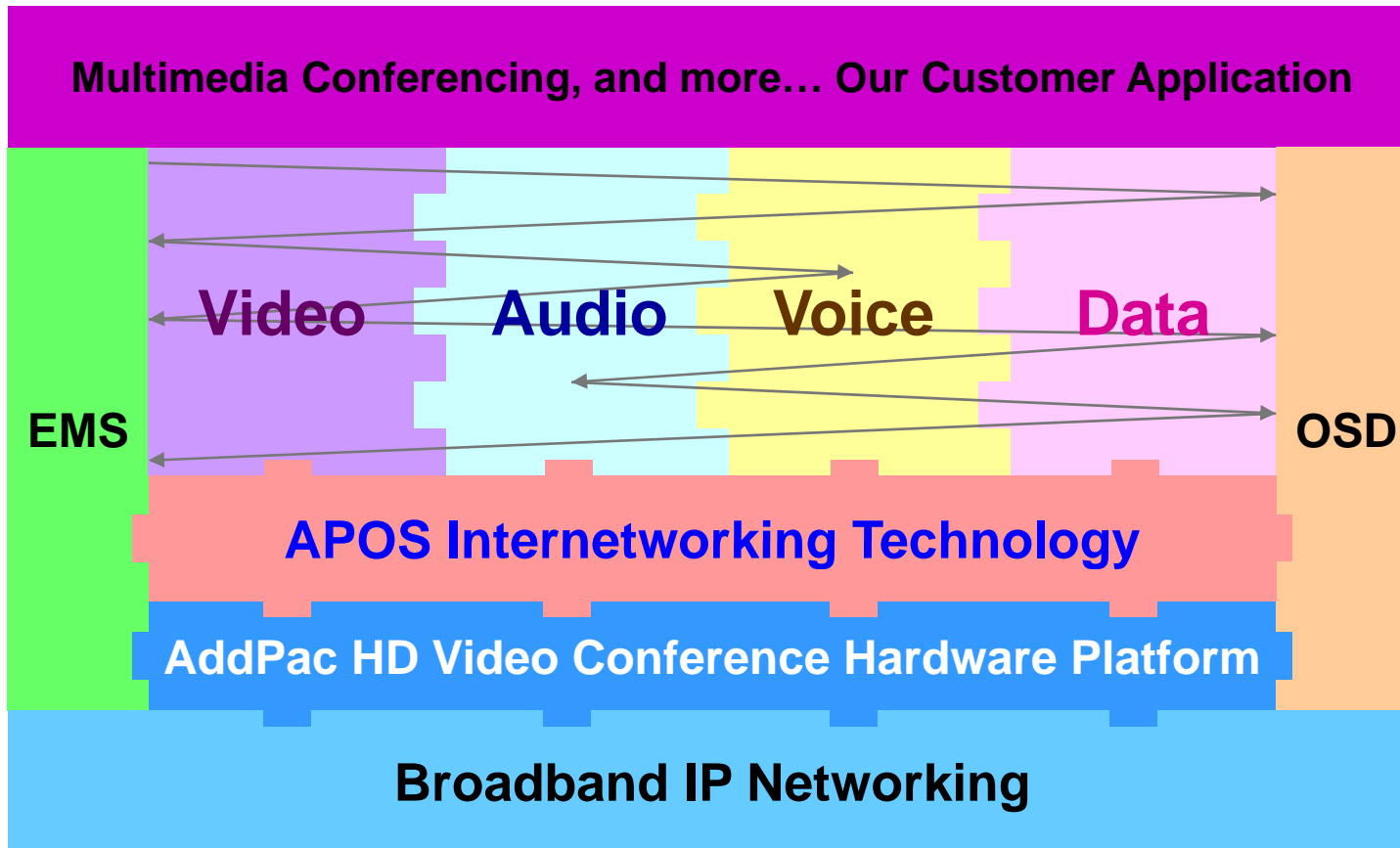
Product Highlights

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

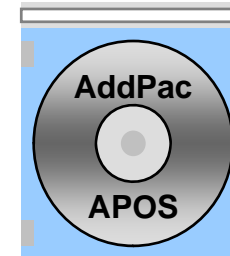
High-end
DSP



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

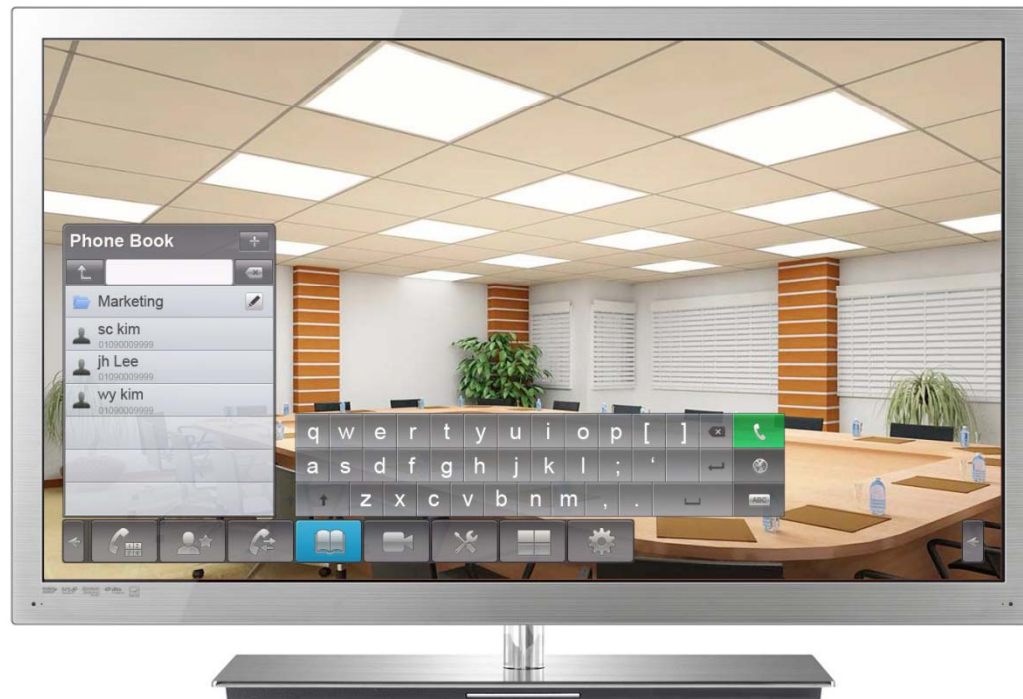
Display Layout Control Mode



Keypad Menu for Dialing Number



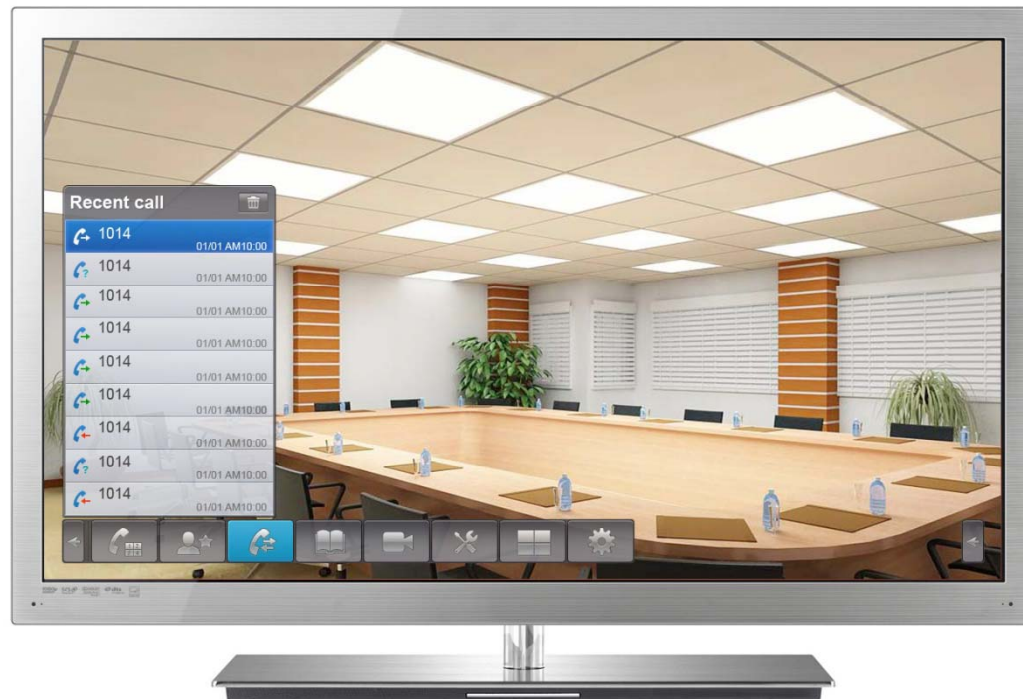
Phone Book OSD Menu



Phone Book OSD Menu : New Contact



Recent Call OSD Menu



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

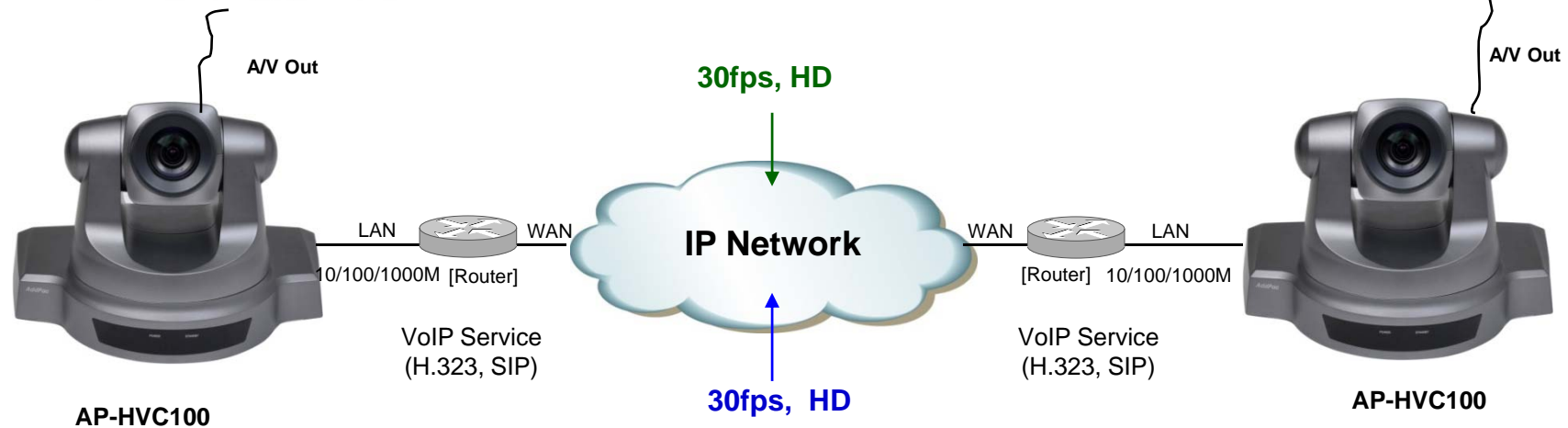
AP-HVC100 HD Video Conference Equipment

H.264, 720P, 30frame

H.264, 720P, 30frame



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



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



Thank you!

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