



AP-HVC500 HD Video Conference Equipment

High Performance HD Video Conference Solution

Polycom Desktop Soft Codec
Interworking



AddPac

AddPac Technology

Sales and Marketing

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Contents

- Network Diagram
- Video Codec Interworking Features
- H.281 Far-End Camera Control
- AP-HVC500 HD Video Codec Overview

Network Diagram

H.264 720p @ 30 frame



AddPac AP-HVC500

H.264 720p @ 30 frame



Polycom RealPresence Desktop
Soft Video Codec

10/100Mbps



IP Network

10/100Mbps

Video Codec Features

- Support Audio Codec
 - G722, G711Ulaw, G711Alaw, G729
- Support Video HD Codec
 - H.264 (up to 720p @ 30 fps)
 - H.263 (CIF, QCIF)
- Support Protocols
 - H.323
 - H.281 (Far End Camera Control – FECC)
 - SIP



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H.281 (Far-End Camera Control)

The screenshot displays a video conference window titled "Polycom RealPresence Desktop---4006@172.17.63.152". The main video area shows a woman with blonde hair smiling and holding a black telephone receiver to her ear. A smaller video window in the top right corner shows a woman with brown hair smiling. On the right side of the interface, there is a "Far-End Camera Control" overlay. This overlay is a dark grey rectangle with a red border, containing a central circular pad with four white directional arrows (up, down, left, right) and two zoom icons (a magnifying glass with a minus sign and a magnifying glass with a plus sign) at the bottom. A yellow callout box with a red border points to the "Far-End Camera Control" overlay. The callout box contains the following text:

Far-End Camera Control
- Control the camera of HVC500 from Polycom Devices.
- Pan/Tilt/Zoom

At the bottom of the video conference window, there is a status bar with a signal strength indicator, a timer showing "00:01:42", and several control icons: a grid icon, a video icon, a microphone icon, a speaker icon, a red phone icon, and a blue chat icon.



AP-HVC500 HD Video Codec Overview

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

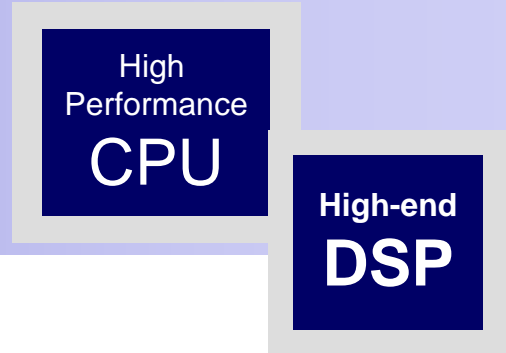
Benefits and Features

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 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

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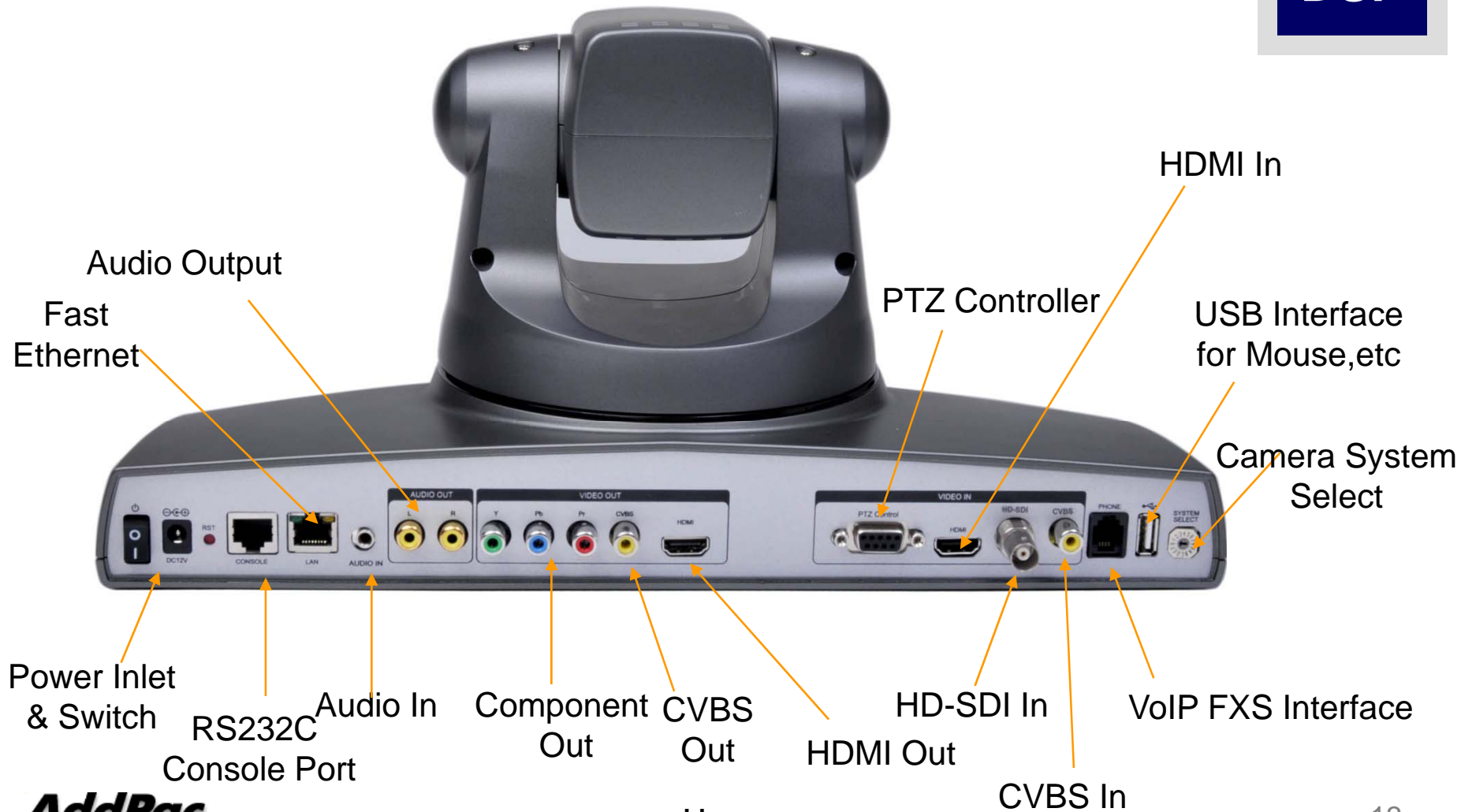
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Hardware Specification

AP-HVC500 HD Video Conference Equipment

High Performance
CPU

High-end
DSP





Thank you!

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