AP-HCC350

Full HD One(1) Channel Video Conference Codec

High Performance Full HD Video Conference Solution





AP-MP100
AEC Microphone



AP-HCC350
Full HD Video Codec



AP-HDC100
Full HD Camera

AddPac Technology

2015, Sales and Marketing

www.addpac.com

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- Hardware Specification
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- AEC Microphone
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Product Overview

AP-HCC350 Full HD Video Conference Codec

- IP based Full HD Video Conference Solution
- High-End Full HD Video Conference Codec Features
- Single Channel Full HD Video Conference Codec
- H.264 Video Codec, 1080p 30frame Support
- H.264, MPEG4, H.263 Video Codec Support
- External Full HD Video Conference Camera (ex: AP-HDC100)
- External Acoustic Echo Canceller Microphone (AP-MP100)
- FXS Interface Support for Analog Phone, MIC Interface (Option)
- 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-HCC350 Full HD Video Conference Codec



High Definition Video Conferencing & V²oIP Telephony

High-quality Image
Full HD , 30fps
Up to 10Mbps

High Performance RISC CPU & Programmable DSP

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

Video Conference Controller Interworking (IP Phone)

Broadband IP Networking with one(1) 10/100/1000Mbps Gigabit Ethernet

High-end Video Codec
H.264 , MPEG4, H.263, etc

IP based Network Protocol & Video/Voice Traffic QoS

APOS™ Technology
Multimedia Network Protocol

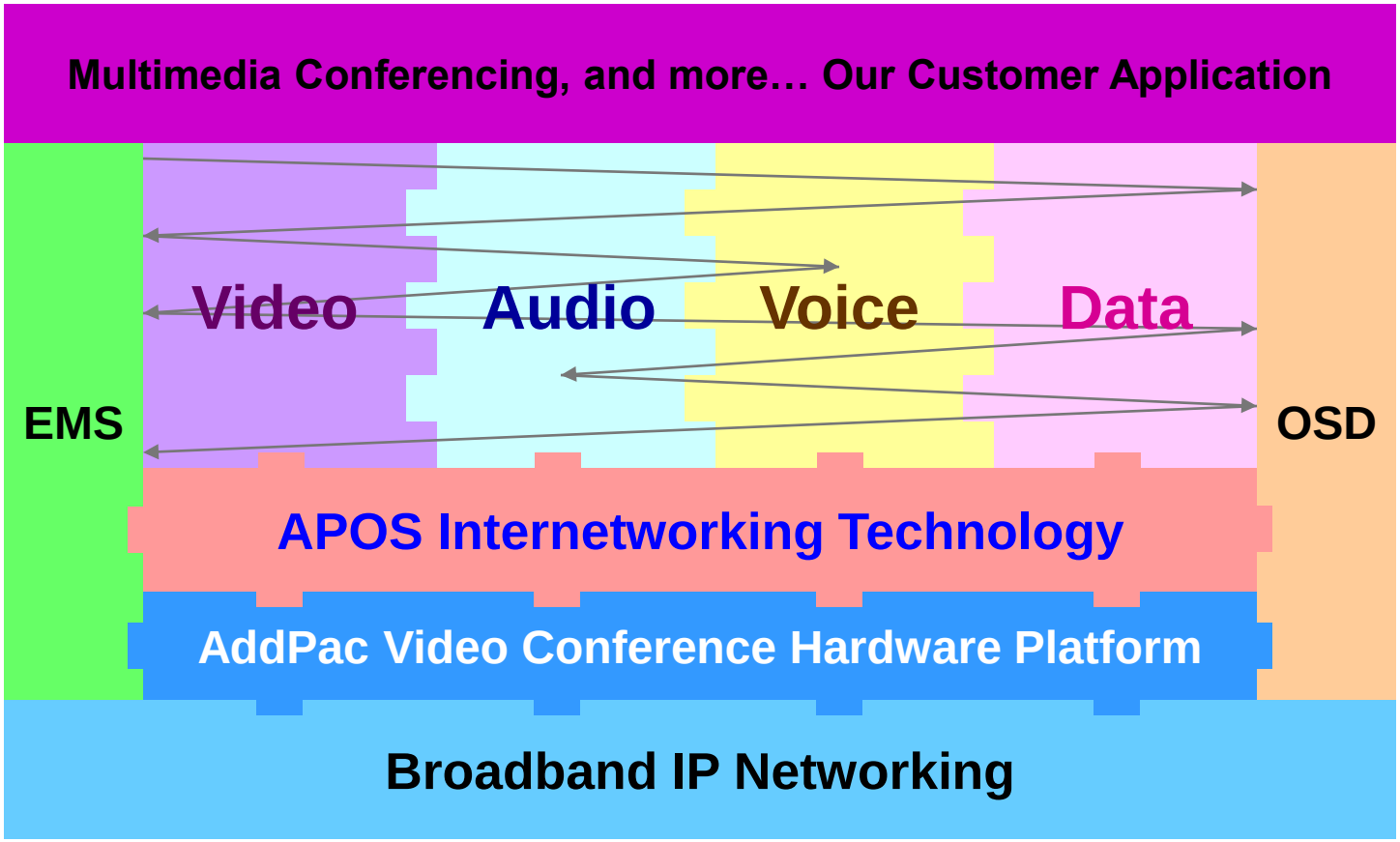
Excellent Voice Quality
G.722/G.711/G.726,etc

HDTV Display Interface,
Various I/O Interface

Full HD A/V Broadcasting, etc
Various Application Service

Multimedia Service

AP-HCC350 Full HD Video Conference Codec



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

Benefits and Features

AP-HCC350 Full HD Video Conference Codec

- Various Video Input/Output Interface
  - Video Input : HDMI, HD-SDI, AHD Camera
  - Video Output : HDMI, HDMI(Secondary Output : Option)
- High-performance Video Codec Support
  - H.264, MPEG4, H.263, etc
- Powerful Image Resolution Support
  - CIF(352x288), QVGA(320x240), HVGA(640x240), VGA(640x480), 4CIF(704x576), 720P(1280x720), 1080P(1920x1080)
- Up to 30fps with Full 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-HCC350 Full HD Codec)

Hardware Specification

AP-HCC350 Full HD Video Conference Codec

High Performance CPU

High-end DSP

- High Performance RISC Computing Power
- High-end Programmable Video DSP Hardware Architecture
- Video I/O Interface

Video Input	External HD/Full HD Video Camera : HD-SDI, HDMI, AHD Camera(Option)
Video Output	HDMI, HDMI (Secondary Output : Option)
Audio Input	Stereo RCA Type Audio Input
Audio Output	RCA Type Audio Output (Left, Right)
PTZ Control	RJ45 RS-232C Pan/Tilt/Zoom PTZ Interface

Hardware Specification

AP-HCC350 Full HD Video Conference Codec

High Performance CPU

High-end DSP

- Network Interface
  - One(1) 10/100/1000Mbps Gigabit 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
- External IrDA Connector
- Power On/Off Switch

Full HD Video Conference Camera

HD Video Conference Camera

AP-HCC350 Full HD Video Conference Codec

Product	AP-HDC50 	AP-HDC100 
Sensor	CCD	CMOS
Optical Zoom	x18	x10
Video Resolution	HD 720P(1280x720)	Full HD 720P, 1080i
Video Output	HDMI, HD-SDI, Component, RCA	HDMI, HD-SDI, Component, RCA
PTZ Control	Support	Support
PTZ Control Interface	RS232/RS485	RS232/RS485
Power	External Power Adaptor	External Power Adaptor

Hardware Specification

AP-HCC350 Full HD Video Conference Codec

High Performance CPU

High-end DSP

Front Side



IR Sensor & Status Indication Area

Hardware Specification

AP-HCC350 Full HD Video Conference Codec

High Performance CPU

High-end DSP

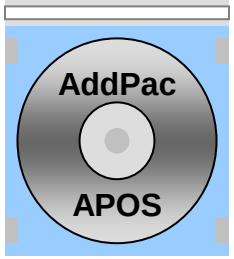
Back Side



Software Service

AP-HCC350 Full HD Video Conference Codec

- 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-HCC350 Full HD Video Conference Codec

- 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-HVC350 Full HD Video Conference Codec

- 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



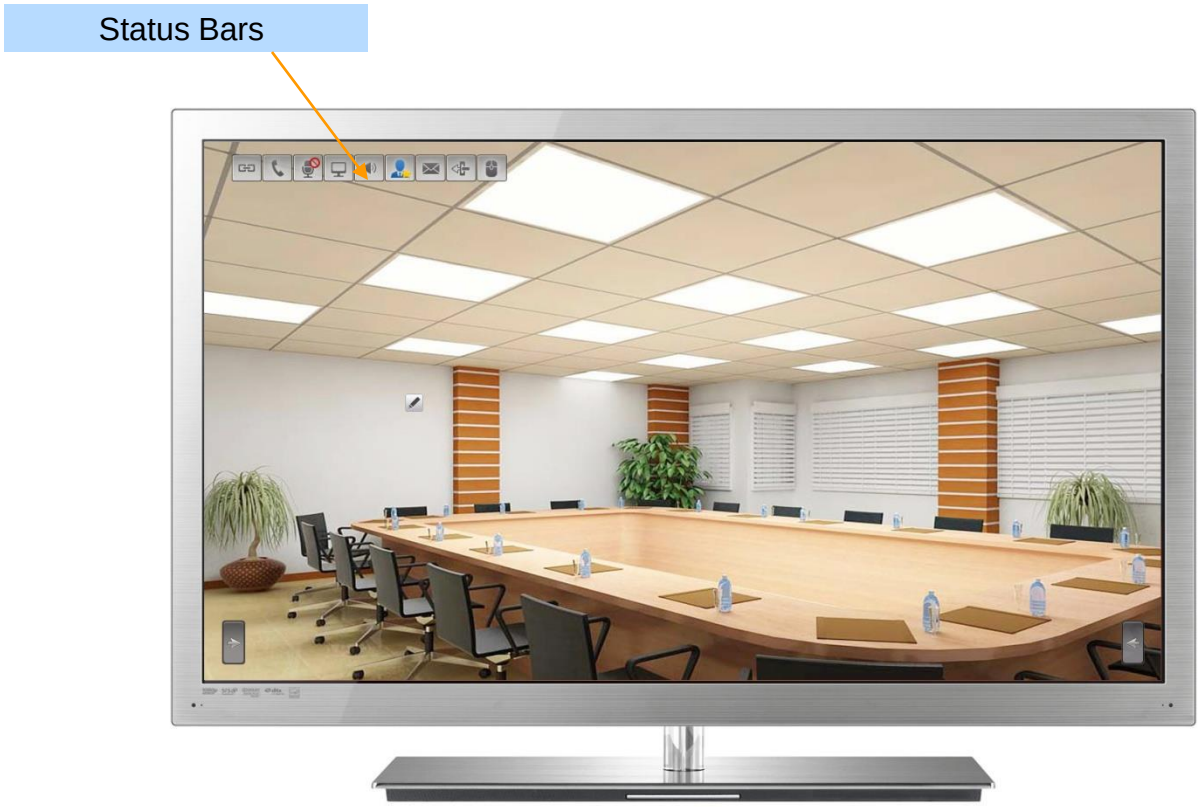
Tools OSD Menu



Codec Configuration



Status Indication Bars OSD



PTZ Control : Camera #1



PTZ Control : Camera Select



PTZ Control : Preset Setting



AP-HCC350 Full HD Video Conference Codec

Application Area

- Video Telephony
- Video Conference

Video Telephony Application

AP-HCC350 Full HD Video Conference Codec

H.264, 1080P, 30frame



H.264, 1080P, 30frame



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



AP-HDC100

A/V Out



AP-HCC350

LAN



WAN

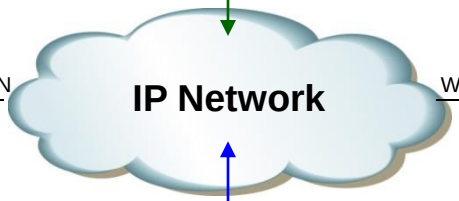
10/100/1000M [Router]



AP-MP100

VoIP Service
(H.323, SIP)

30fps, Full HD



IP Network

30fps, Full HD

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

www.addpac.com

WAN



[Router] 10/100/1000M

LAN

VoIP Service
(H.323, SIP)



AP-HDC100

A/V Out



AP-HCC350

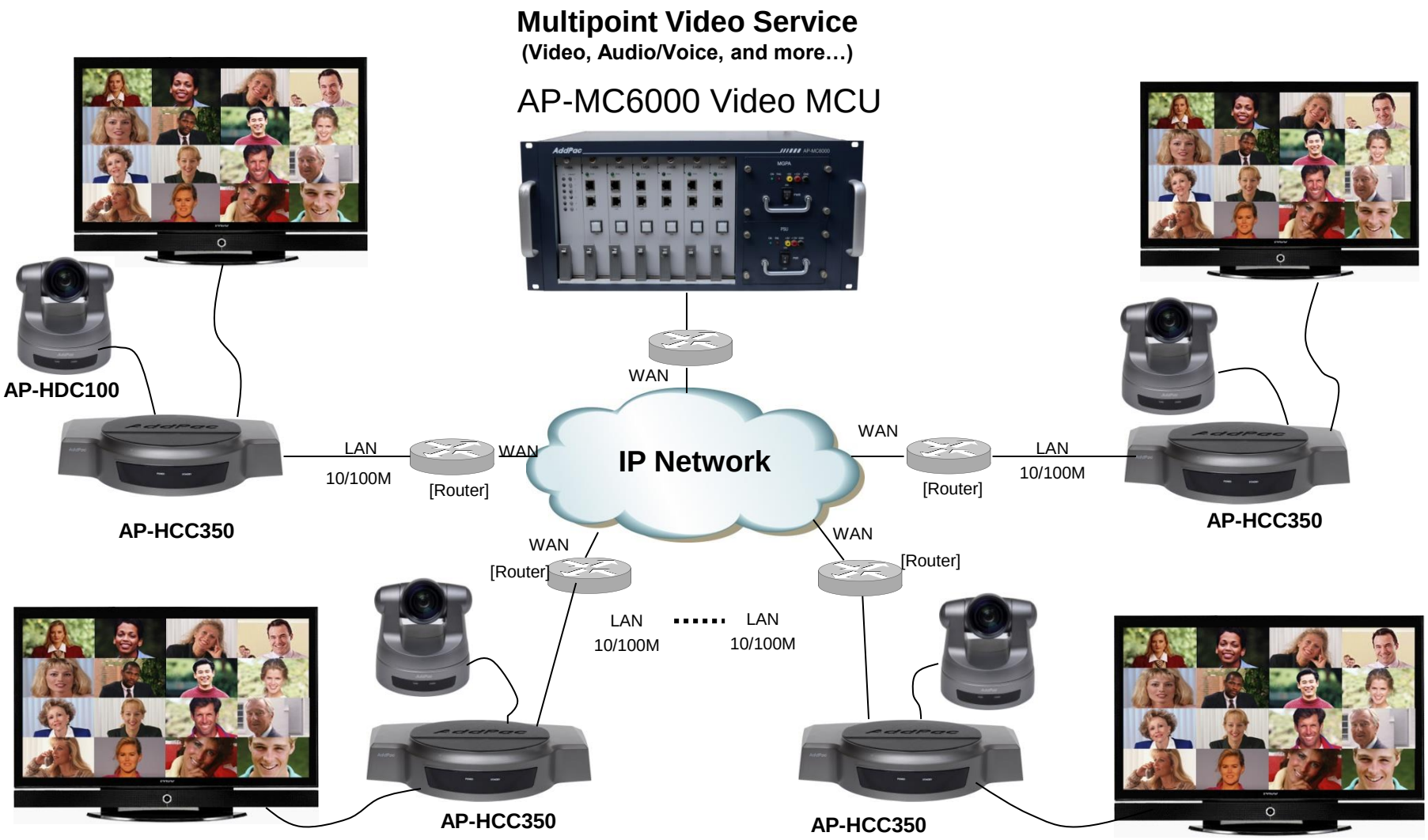


AP-MP100

AddPac

Video Conference

AP-HCC350 Full HD Video Conference Codec



Ordering Information

- AP-HCC350 Full HD Video Conference Codec
  - AP-HCC350 Full HD Video Conference Codec
  - Including Network Cable Set & Power Supply Cable, etc.
  - Option : Video Conference Full HD Camera, Microphone
- Built-in APOS Internetworking Software for AP-HCC350
- 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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Sales and Marketing

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