

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

AddPac Technology

Sales and Marketing

www.addpac.com

Contents

- Product Overview
- Benefits and Features
- Hardware Specification
- HD Video Conference Camera
- AEC Microphone
- Multimedia Service
- Software Service
- Network Service and Features
- OSD Software Features
- Application Area
- Ordering Information



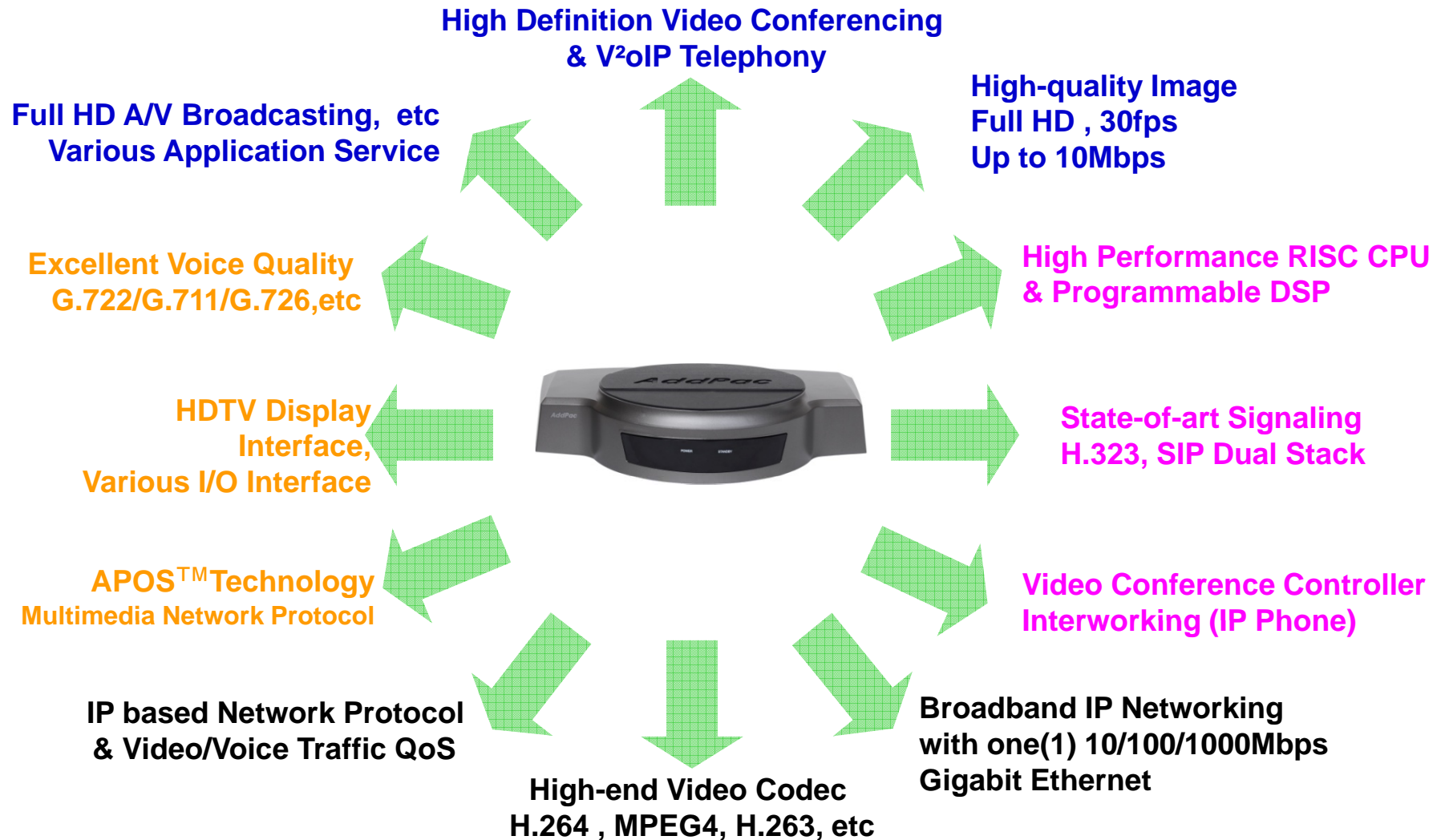
Product Overview

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

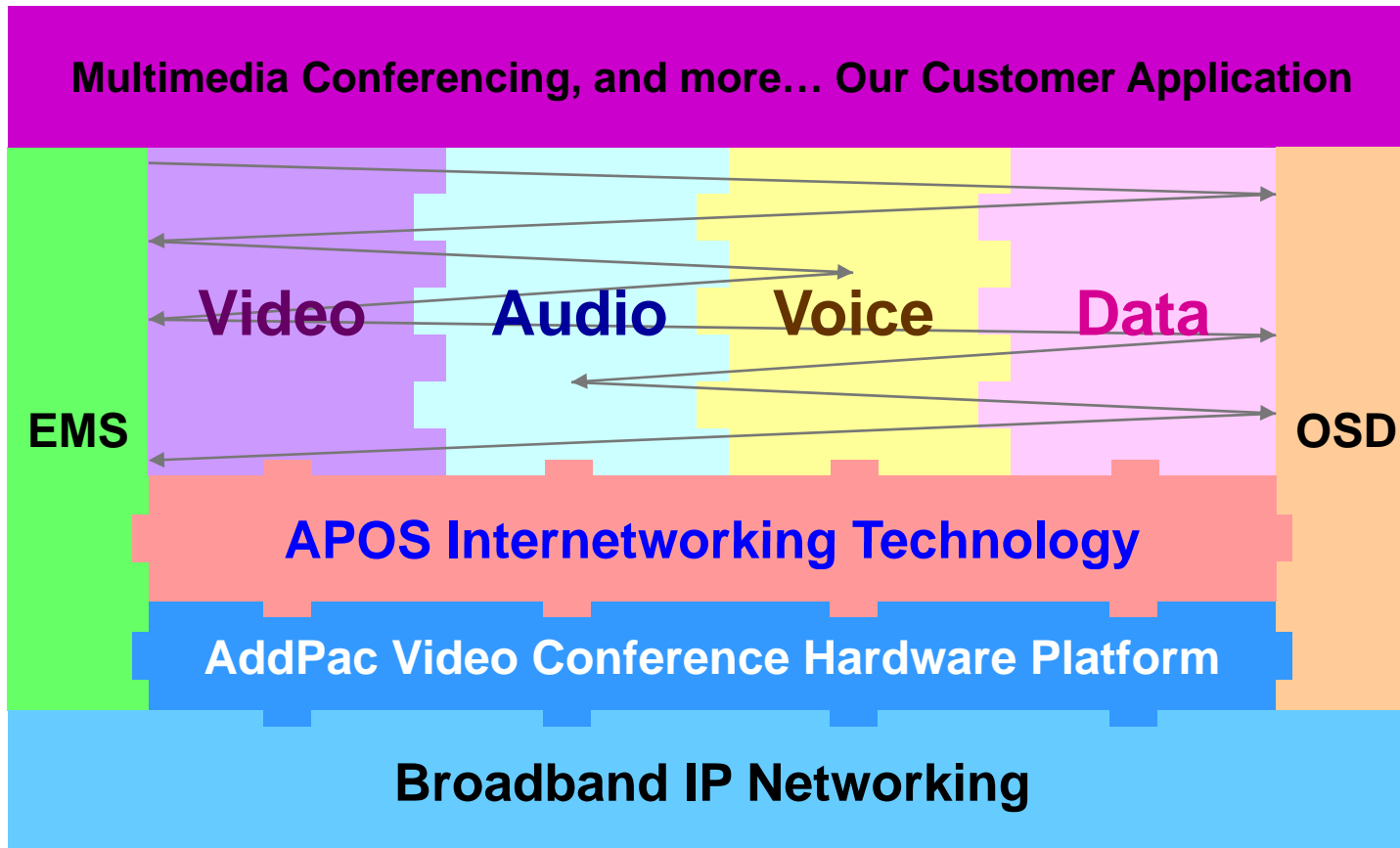
Product Highlights

AP-HCC350 Full HD Video Conference Codec



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(Optional)
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

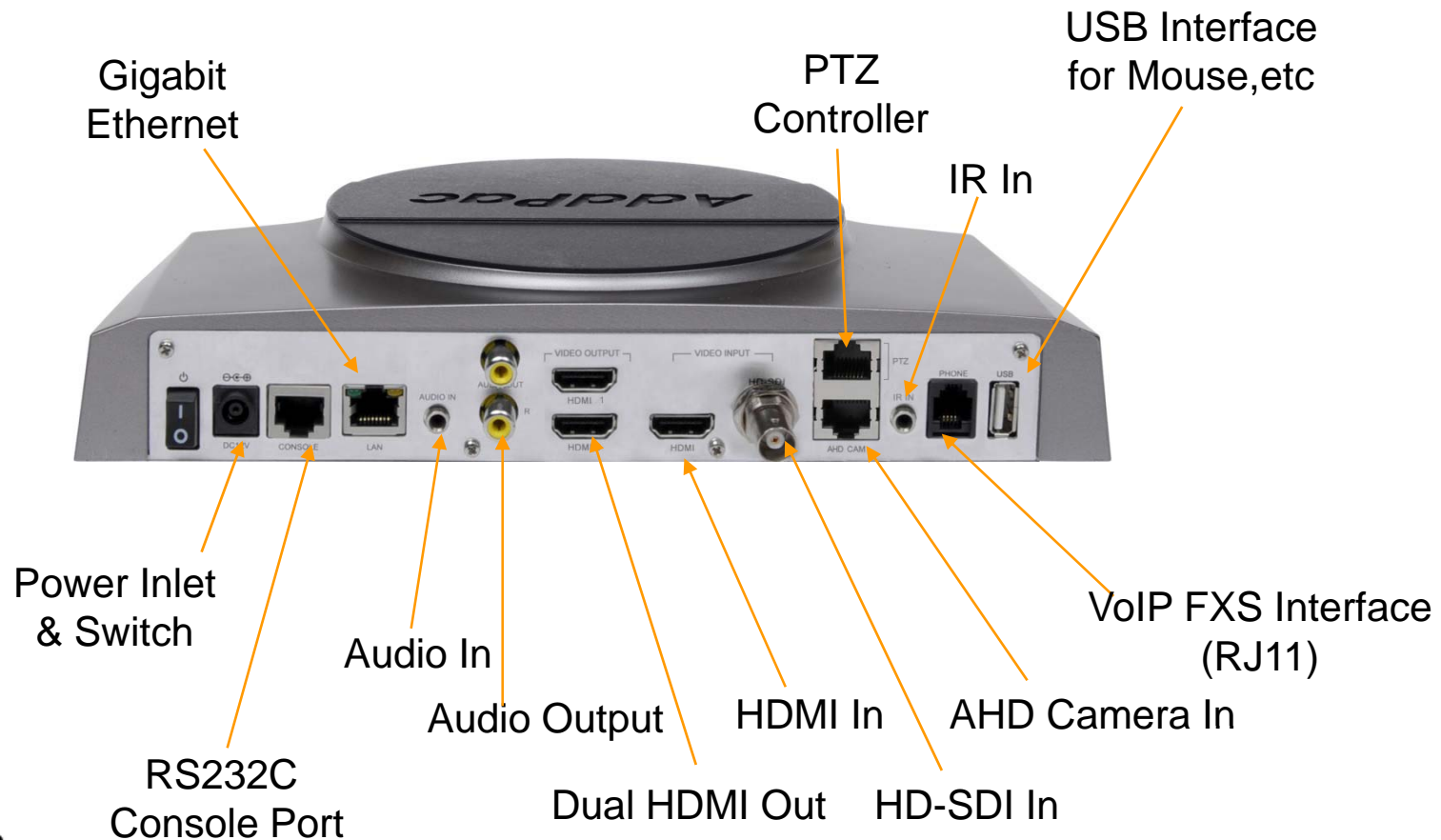
Hardware Specification

AP-HCC350 Full HD Video Conference Codec

High Performance
CPU

High-end
DSP

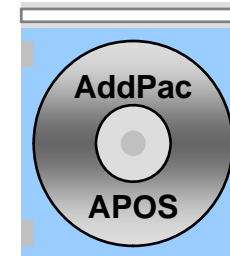
Back Side



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

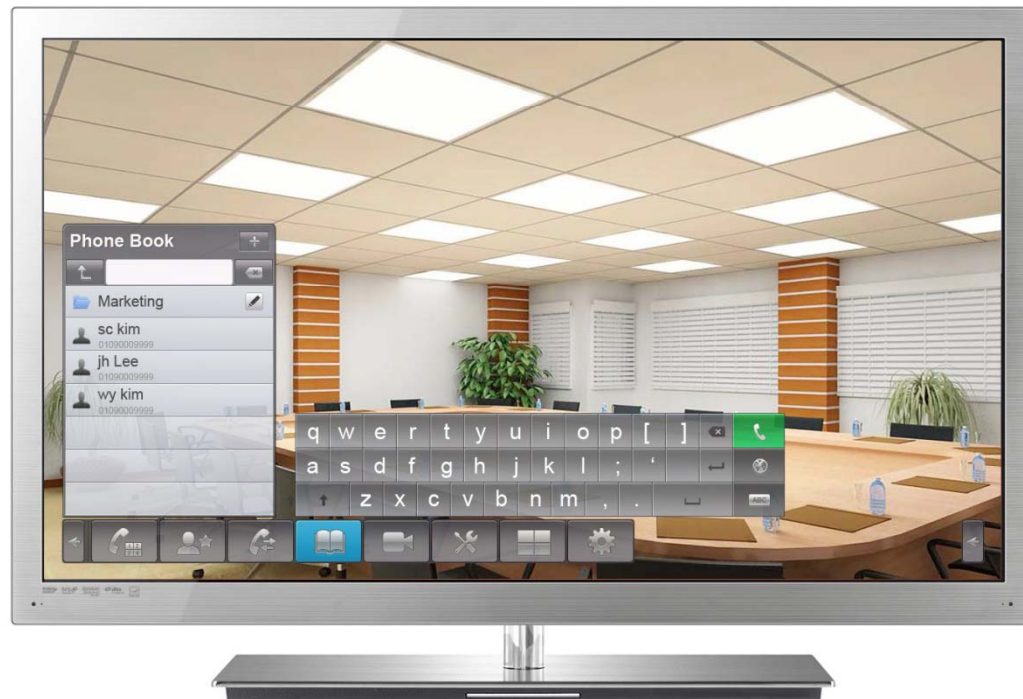
Display Layout Control Mode



Keypad Menu for Dialing Number



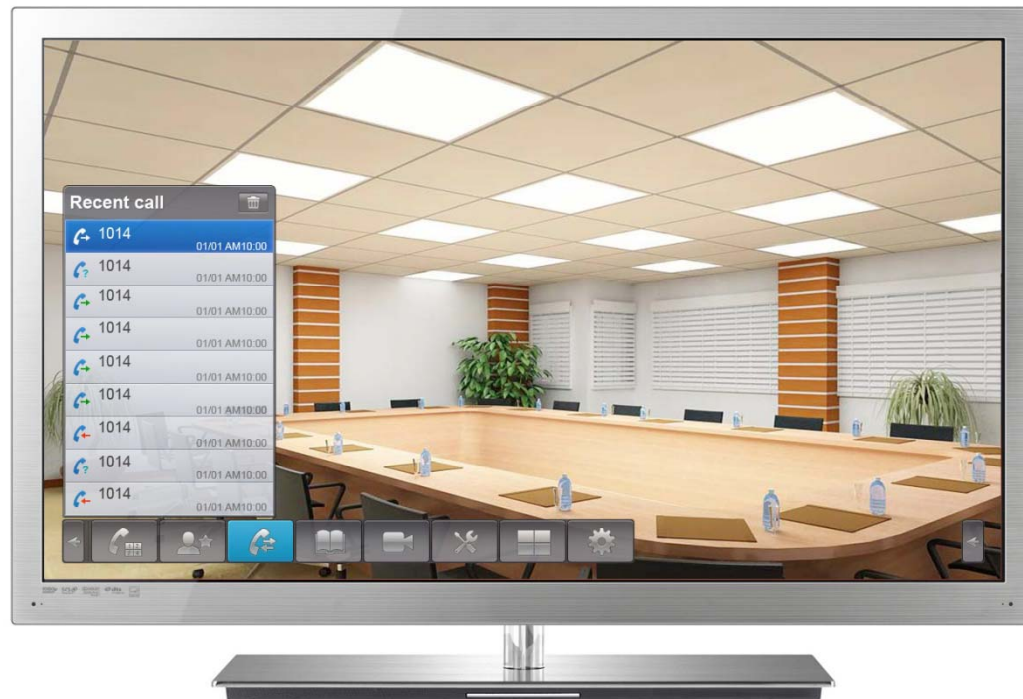
Phone Book OSD Menu



Phone Book OSD Menu : New Contact



Recent Call OSD Menu



Tools OSD Menu



Codec Configuration



Status Indication Bars OSD

Status Bars



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

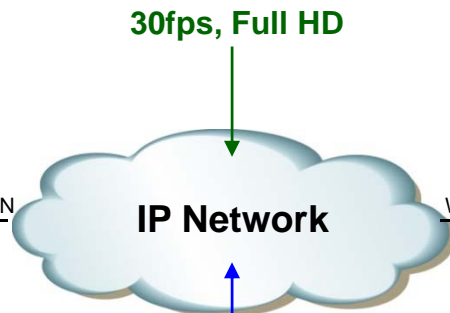
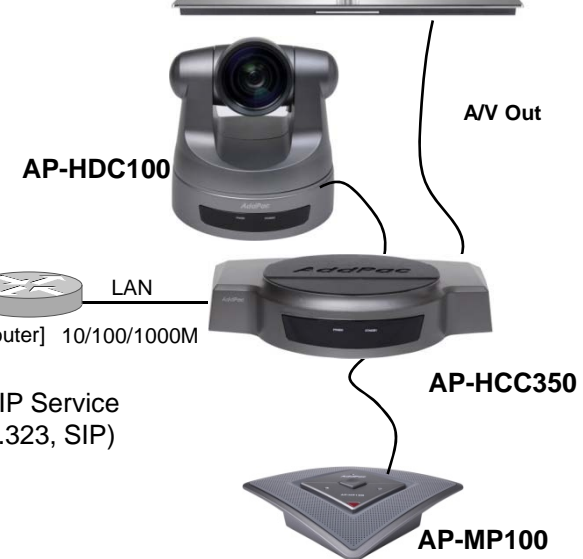
AP-HCC350 Full HD Video Conference Codec

H.264, 1080P, 30frame

H.264, 1080P, 30frame



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



VoIP Service
(H.323, SIP)

VoIP Service
(H.323, SIP)

Multimedia Service
(Video, Audio/Voice, and more...)
www.addpac.com

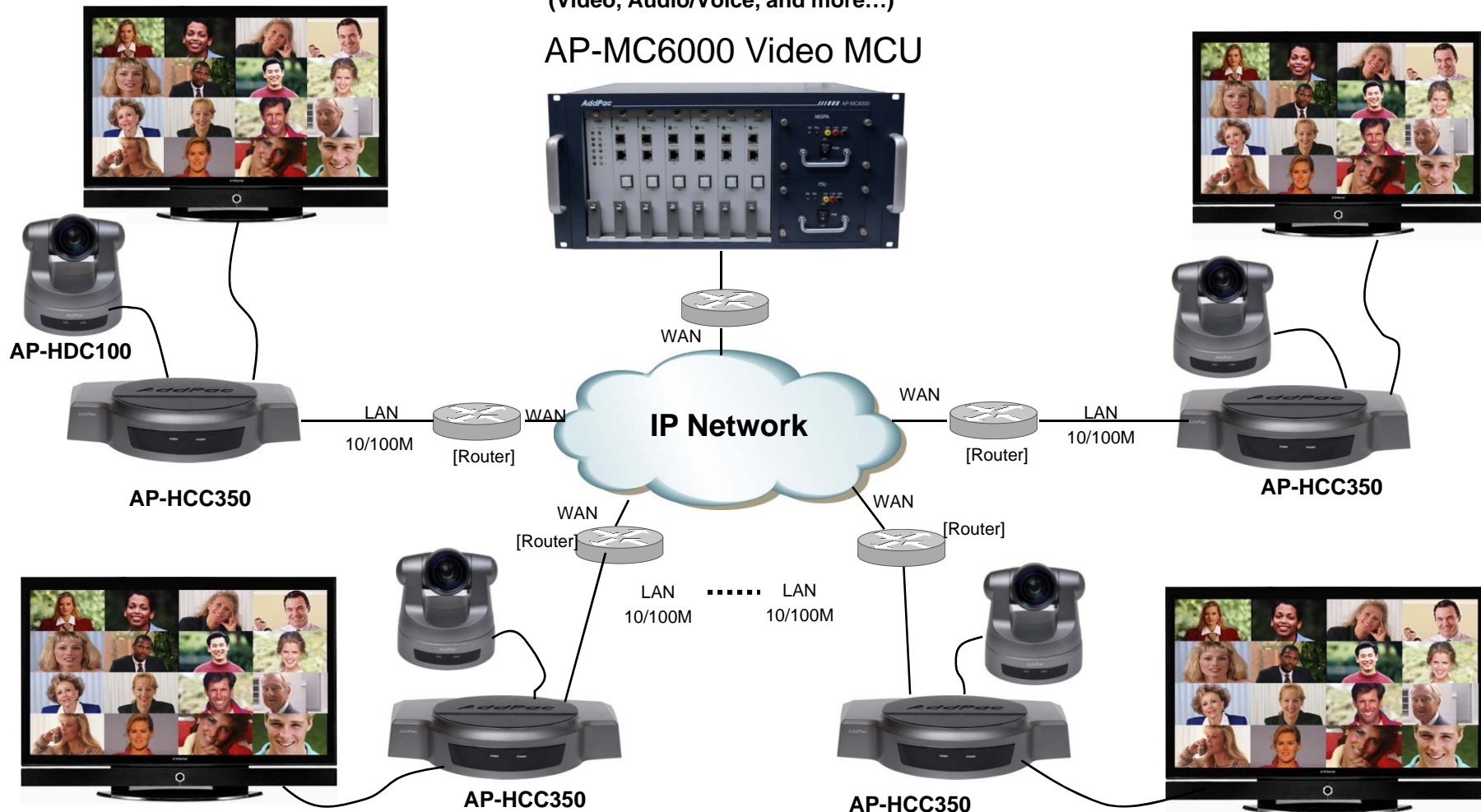
AddPac

Video Conference

AP-HCC350 Full HD Video Conference Codec

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

AP-MC6000 Video MCU



AddPac

www.addpac.com

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!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail sales@addpac.com