

AP-VWP100

Smart IP Video Wall PAD

High Performance IP Video Wall PAD Solution

Video Conference Call Service



AddPac

AddPac Technology

2015, Sales and Marketing

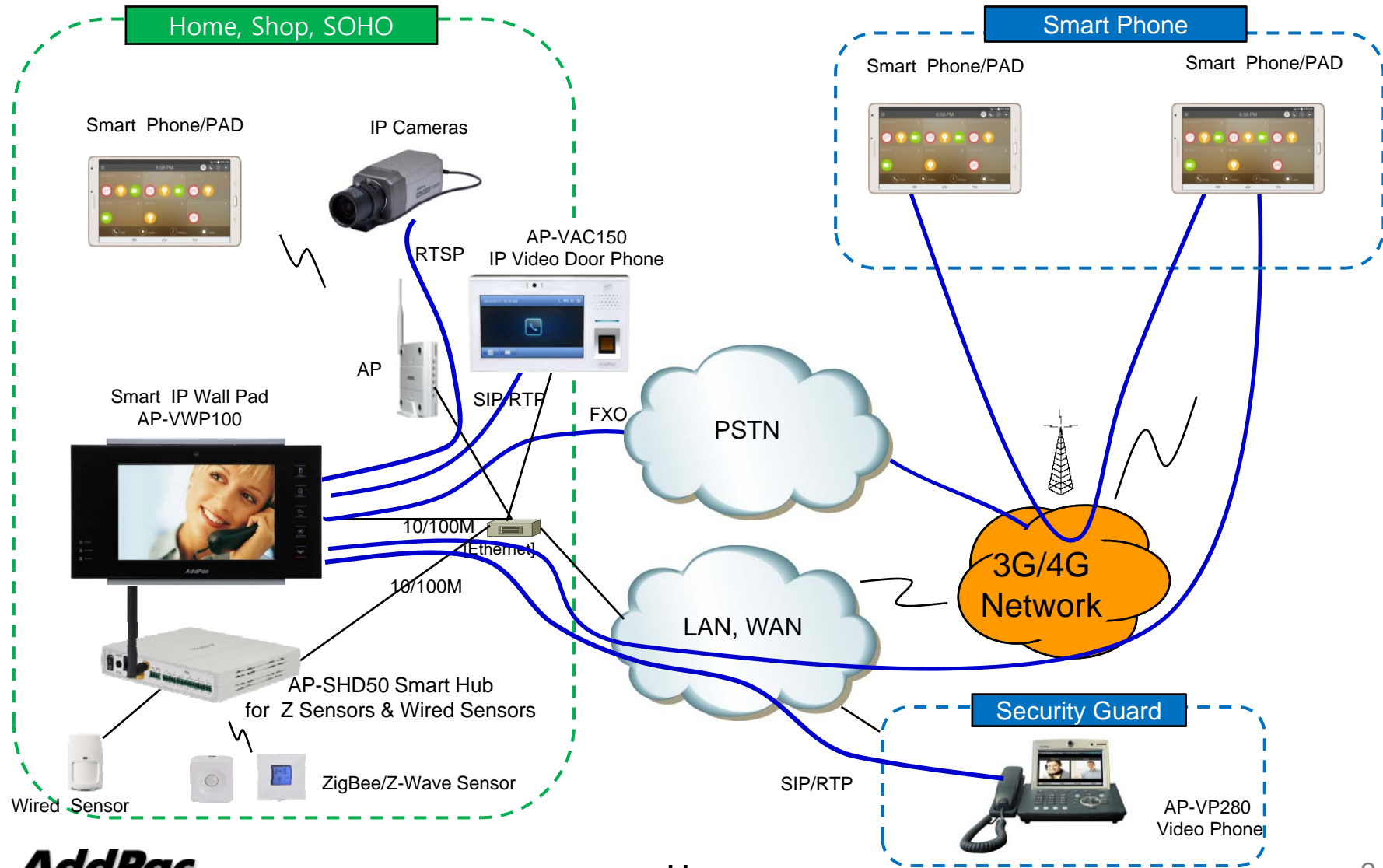
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Contents

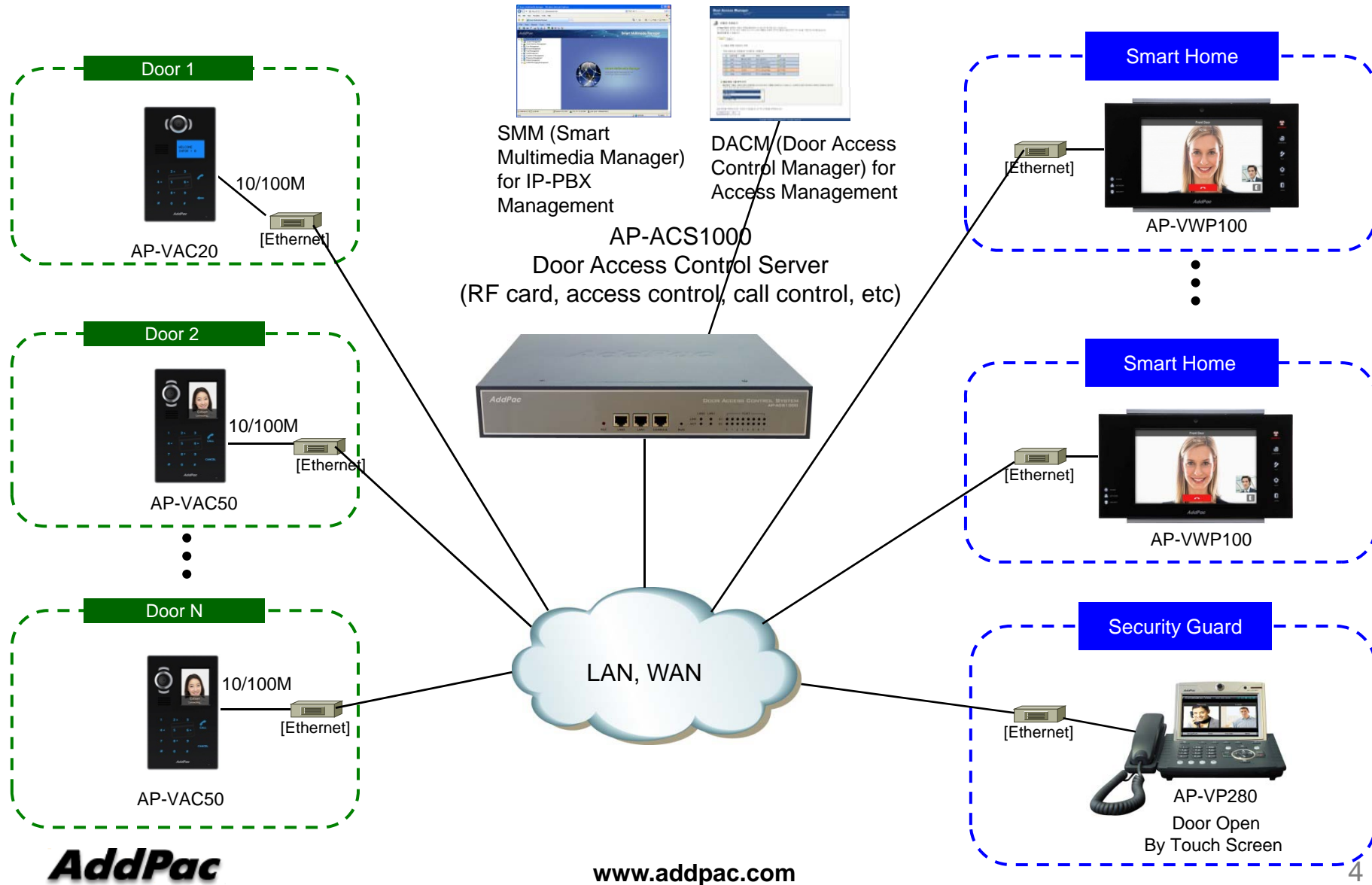
- Smart Home Application Network Diagram
- Normal Video Call Model (Point-to-Point)
- Video Conference Call Model
- Call Manager + MCU Protocols
- IP Video MCU (Ex: AP-MC2000)
- Video MCU Service Features



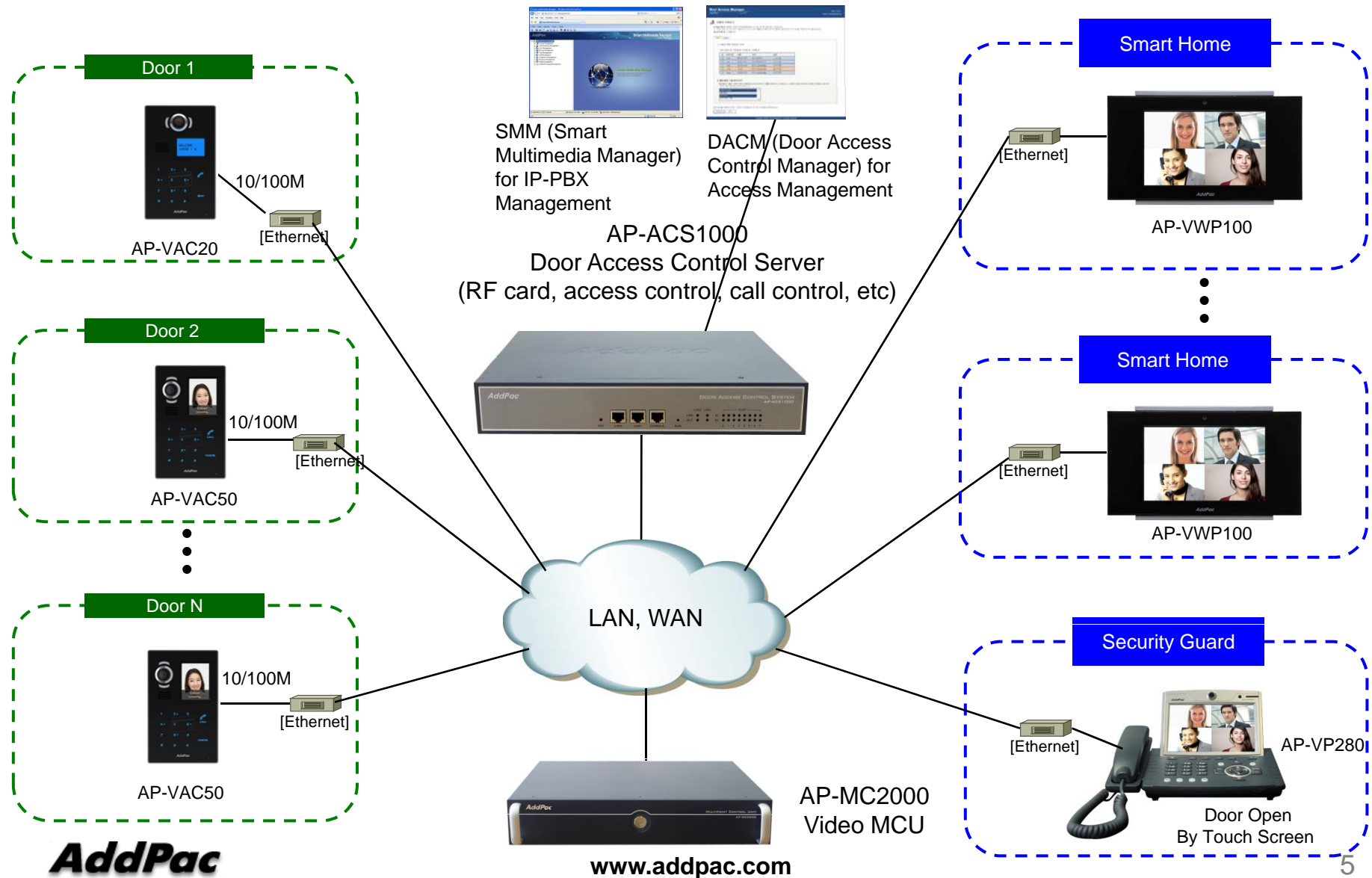
Smart Home Application



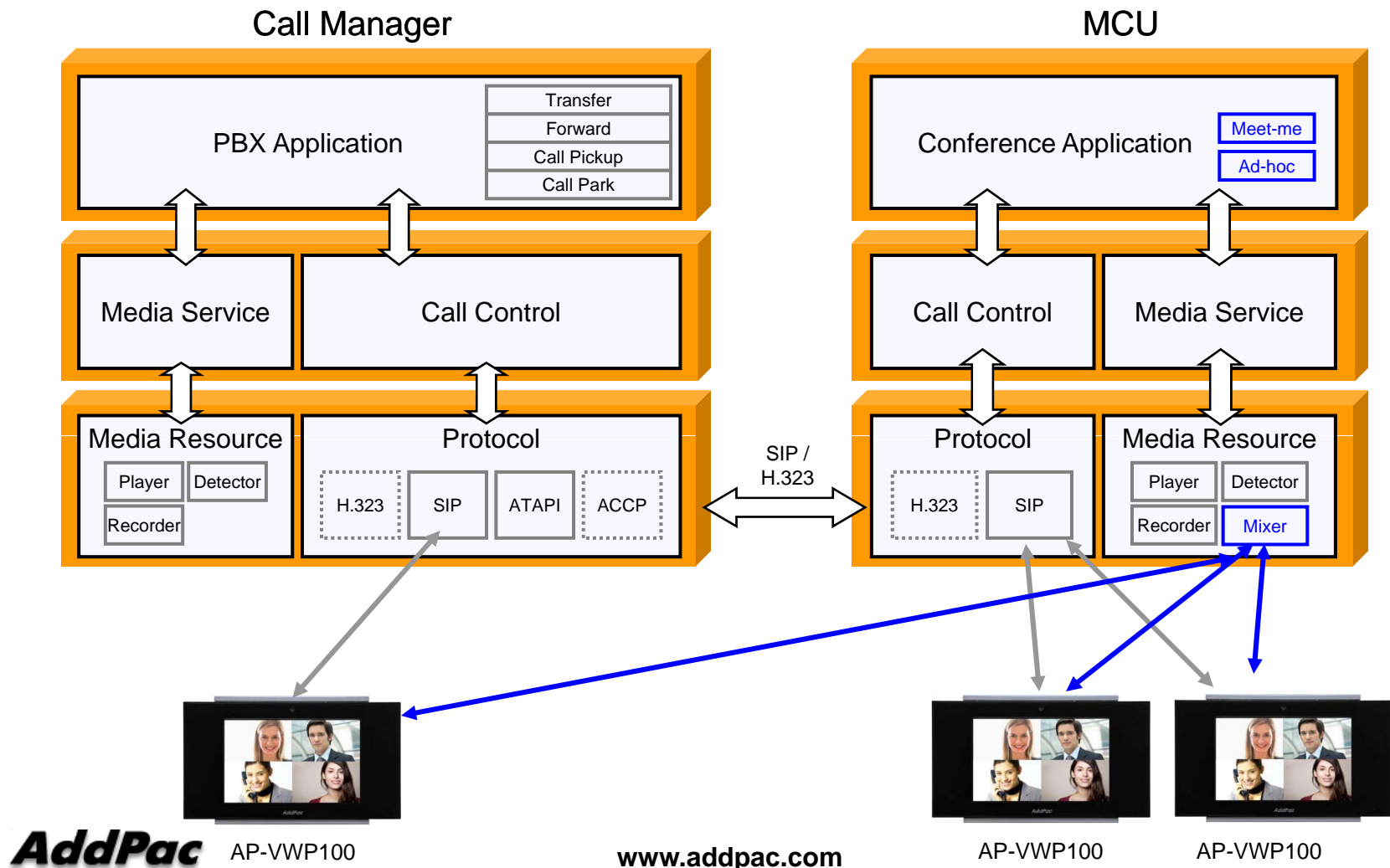
Normal Point-to-Point Video Call Model



Video Conference Call Model

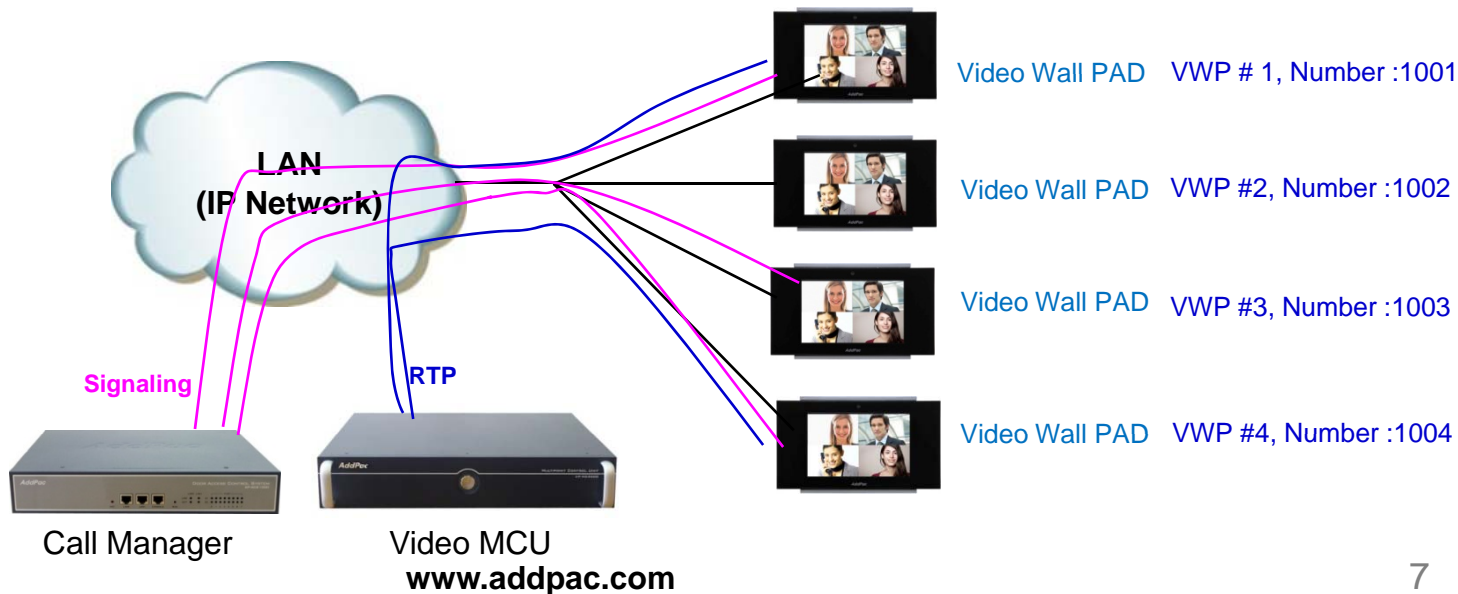
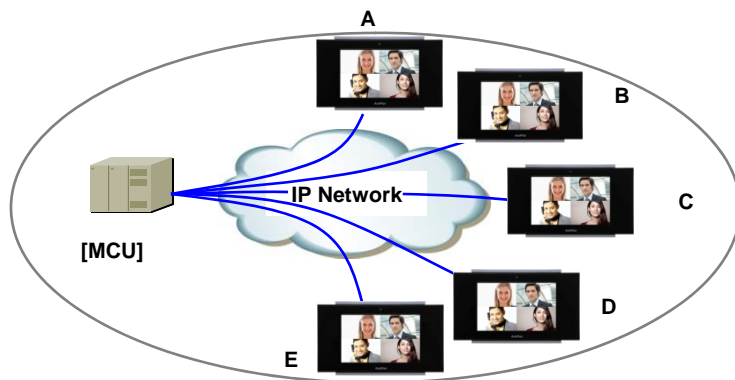


Call Manager + MCU Interworking Protocol Stack



Signaling and RTP Flow for Group Video Call Model

Multipoint Video Service





AP-MC2000 IP Video MCU

Main Features

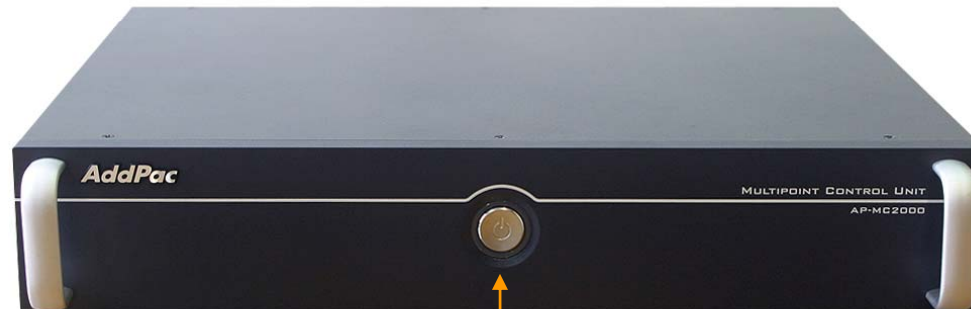
AP-MC2000 IP Video MCU

- IP based Multipoint Audio/Video Mixing Solution
- Support Various Conference System Model(Add-Hoc, Dial-Out, Meet Me)
- Multi-User/Multi-Session Video Conference Support
- Up to 16-Party Video Conference Mode Support
- H.263, MPEG4, H.264 Video Codec Support
- G.722/G.711/G.726/G.729/G.723,etc Voice Codec Support
- H.323/SIP VoIP Signaling Support
- H.323 GateKeeper Internal Support
- External SIP Proxy Server Interworking Support
- Scalability and Flexibility
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Hardware Specification

AP-MC2000 IP Video MCU

- High Performance Computing Power
- Programmable Hardware Architecture
- Main Chassis
 - Network Interface
 - One(1) 10/100/1000Mbps Gigabit Ethernet
 - One(1) RS-232C Console (RJ45)



Power ON/OFF Switch

Hardware Specification

AP-MC2000 Video MCU



Gigabit Ethernet
Interface LAN

RS232C Console Interface

Power Switch & Power Inlet



Video MCU Service Features

Contents

- Video Display Layout
- Dynamic Session Management
- Personal Feature
- Video Conference Signaling
- MCU Management (SMM)
- OSD (Video Phone, Video Terminal, etc)
- Media Class
- Conference Room
 - Speaking Mode
 - Voice Switching
- Active Conference
- Conference Scheduling

Video Display Layout

- **Various Layout**
 - 31 types (Symmetric Layout, Asymmetric Layout)
 - Symmetric Layout : same participant picture size
 - Asymmetric Layout : asymmetric participant picture size
 - Auto, Manually : can choice a specific video layout when a conference is started
- **Dynamic control**
 - Dynamic layout change
 - Dynamic participant movement
- **Floor**
 - Can distinguish a participant by using the concept of the right of a speaking participant
 - Floor to full screen
- **Name display**
 - Display or hide the name of a participant dynamically
- **Border**
 - Three kind of a participant picture border : empty border, a participant boarder, a speaker boarder

Personal Feature*

- Individual (Per Connection) Rate Control for Down Stream
 - Codec, Picture Size, etc
- Personal Layout
 - Example, Zooming for Detailed View

Video Conference Signaling

- Dial-in
 - Even in Dial-out started Video Conference, a participant can join the Video Conference if a participant knows the conference room number in outside.
- Mic off of invisible participant
 - Can turn off MIC of a invisible participant.
- Forced Mute (audio, video)
 - Can mute Audio/Video Capability of a participant via SMM or in Chair, Operator Terminal (Video Phone).
- Virtual Audience
 - Broadcasting solution
 - Can monitor the video conference via inter-working with AddPac Broadcasting Server.
- H323 Support *
 - Floor control(H.243)
 - Dual Video (H.239)

MCU Management (SMM)

Smart Multimedia Management

- Initial Setting
 - Video Layout Setting
 - User class
 - Chair, Operator, Participant, Audience
 - Initial position
- Active Monitoring
 - Monitoring
 - Snapshot
 - Control
 - Layout
 - Move party
 - Floor
 - Mute
- Video Conference Scheduling*
 - Scheduled Dial-Out Conference

Conference Room

Conference Name & Description
Conference Name
Description

Conference Number
Conference Number

Conference Type
: Dial-out, Meet me, AddHoc
Conference Type: Dial-Out Conference

Media Type
Select Conference Media Type
Media Type: Audio Video + Audio

Audio Codec
Select a conference audio codec
Audio Codec: G.711U

Maximum Participant
(Can select in Meet-Me conference type only)
Max Participant: 16

Close on Chair Out
Conference Disconnected if chair hang up phone
 Close on Chair Out

Secret Room
-Secret room and Room Password
-(Can select in Meet-Me conference type only)
 Secret Room
Room Password: (4 digit)

Video Endpoint
In case of Video Media type, select the video parameter of endpoint.
Video Support | EndPoint | Layout
Video Type: Continuous presence
Target Rate: 1024K
Picture Size: 640x480
Video Codec: MPEG4
Frame Rate: 30 fps

Video Support
In case of Video Media Type, select the video information

Ok Cancel

Conference - Layout

The screenshot shows the 'Add Conference' dialog box with the 'Video' sub-tab selected. The dialog is divided into several sections: 'General', 'Participants', and 'Virtual Audience'. The 'Video' section is further divided into 'Support', 'EndPoint', and 'Layout'. The 'Layout' sub-tab is active, showing settings for 'Layout Mode', 'Arrange Mode', 'Video Layout', 'Floor Assign Mode', 'Color', and 'Mic Off of Invisible Participant'. Several settings are highlighted with yellow callout boxes:

- Video Layout Mode**: - Auto (symmetric, asymmetric) - manual
- Arrange Mode**: -(dynamic, fixed, fixed reserved)
- Video Layout**: - Select the video layout
- Floor Assign Mode**: Floor 권한 할당에 대한 방법 설정. (After Release, On Request)
- Floor to Full Screen**: - Floor to Full Screen Enable/Disable in symmetric, asymmetric Layout Mode.
- Display Participant Name**: - Participant Name Display Enable/Disable and Location of Name Display
- Color**: - Layout border and Floor, Background Color Setting.
- Mic off of Invisible Participant**

Conference - Participants

Conference Properties

General | **Participants** | Virtual Audience

Phone Number	Par...	User
1002		hwang woo sun
1003		sim sang kwon
1004		lee young sik
1005		oh hyoung suk
1006		lee myoung won
1007		choi jin suk
1008		lee min ji
1010		kwon jong hwi
1012		kim sang mi
1013		you jae won
1015		jang byoung ju
1018		kim kyoung nam
1019		kim chang yeon
1020		kwon young pil
1021		kim do hyoung
1024		kim kwang
1026		lee jung hyuk
1027		kim so young
1101		choi woo suk
1102		sin kwang woong
1500		choi jin suk
3003		
		kim kyoung nam
		kim so young
4002		
4003		

Enter External Phone Number

Add

Conference Participants							
Number	Partition	User	Type	User Class	Media Type	Position	Display Name
3001		Steven	Internal	Chair	Video		
3004		John	Internal	Participant	Video		
3005		Jane	Internal	Participant	Video		
3010		Sally	Internal	Participant	Video		

Ok Cancel

Phone Number
Participant Phone List

External Phone Number
Register the external phone line number by inputting number directly

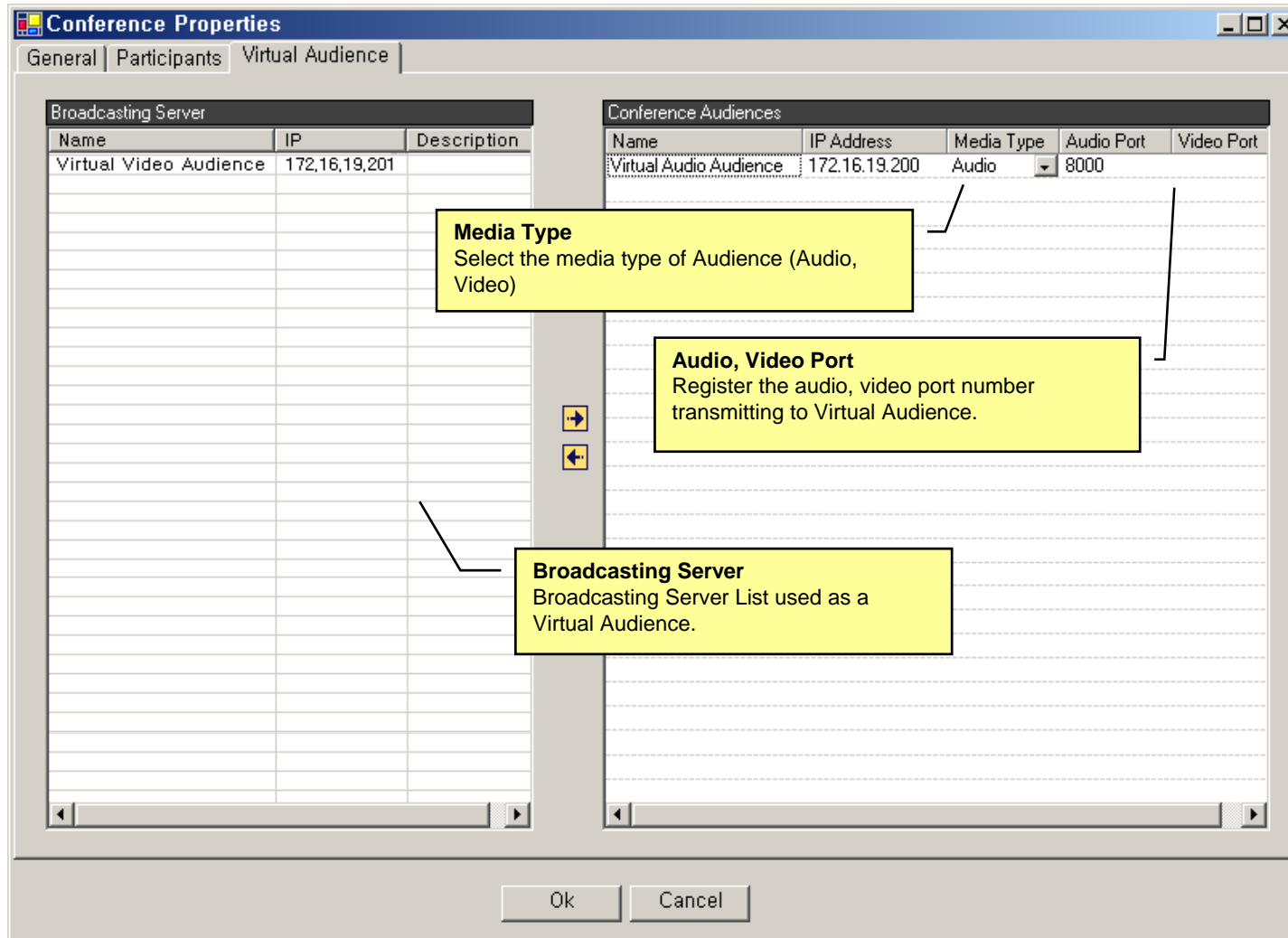
User Class
(Chair, Operator, Participant, Audience)

Media Type
(Audio, Audio (Seat Reserved), Video)

Position
In case of video media type, Select the location of a participant in video layout

Display Name
A Participant Display Name

Conference – Virtual Audience



Active Conference (1)

Smart Multimedia Manager - [Active Conferences]

File View Tools Window Help

AddPac Smart Multimedia Manager
AddPac Technology

172.16.201.100 172.16.11.120

Conference Name	Conference Number	Status	Conference Type	Start Time	Duration (s..	Media Type	Floor to Full..	Layout Mode	Arrange Mode	Layout	No. of Pa..
nms conference	7100	Running	Dial-Out	20061207-14:33:45	82	Video	On	Manual	Dynamic		3

Conference
Display the current conference room list

Participant Name	Phone Number	IP	Status	Audio	Video	Floor	In Picture	Reason
choi jin suk(js.choi)	1500	172.16.19.103	Connected					
kim kyoung nam(kn...	3500	172.16.12.30	Connected					
lee joungh hyuk(jh.lee)	6010	172.16.11.110	Connected					

Participants
Display the participant list in conference room each

172.16.201.100 (Ok) 172.16.11.120 (Ok)

2006-12-07 오후 2:35:08 Version 2.9.2532.21338 172.16.201.100:389 administrator

Active Conference (2)

Conference
Conference parameter setting is possible dynamically in current conference call

Conference Name	Conference Number	Status	Conference Type	Start Time	Duration (s..)	Media Type	Floor to Full..	Layout Mode	Arrange Mode	Layout	No. of Pa..
nms conference	7100	Running	Dial-Out	20061207-14:33:45	173	Video	On	Manual	Dynamic	[Layout Icons]	3

Participants (nms conference)									
Participant Name	Phone Number	IP	Status	Audio	Video	Floor	In Picture	Reason	
choi jin suk(js.choi)	1500	172.16.19.103	Connected	[Icon]	[Icon]		[Icon]		
kim kyoung nam(kn...	3500	172.16.12.30	Connected	[Icon]	[Icon]		[Icon]		
lee jong hyuk(jh.lee)	6010	172.16.11.110	Connected	[Icon]	[Icon]		[Icon]		

Active Conference (3)

The screenshot displays the 'Smart Multimedia Manager' interface. At the top, there is a menu bar (File, View, Tools, Window, Help) and a toolbar. Below this is a header with the 'AddPac' logo and 'Smart Multimedia Manager' text. The main area shows a 'Conference' table with one entry: 'nms conference' (ID 7100, Status: Running, Type: Dial-Out, Start Time: 20061207-14:33:45, Duration: 318s, Media Type: Video, Floor to Full: On, Layout Mode: Manual, Arrange Mode: Dynamic, Layout: Grid, No. of Pa.: 3).

A 'Conference Snapshot' window is open, showing a grid of video thumbnails. A yellow callout box points to this window with the text: 'Conference Snapshot: Display the real-time still image of a current video conference call'.

A 'Participants (nms conference)' table is also open, listing three participants:

Participant Name	Phone Number	IP	Status	Audio	Video	Floor	In Picture	Reason
choi jin suk(js.choi)	1500	172.16.19.103	Connected	On	On		On	
kim kyoung nam(kn...)	3500	172.16.12.30	Connected	On	On		On	
lee jounghyuk(jh.lee)	6010	172.16.11.110	Connected	On	On		On	

A yellow callout box points to this table with the text: 'Participants: Participant parameter setting is possible dynamically in current conference call'.

At the bottom, there is a status bar showing IP addresses (172.16.201.100, 172.16.11.120), a date/time stamp (2006-12-07 오후 2:39:02), version information (Version 2.9.2532.21338), and a user ID (administrator).

OSD (Video Phone, Video Terminal, etc)

- Conference Management (Chair, Operator)
 - Layout
 - Move party
 - Floor
 - Mute
- Indicator
- Floor



Conference Room

- Application >> Conference Room
 - conference list

The screenshot shows the 'Conference Room' interface with the following annotated elements:

- Conference Room**: Title bar at the top.
- ON AIR**: Status indicator.
- NUM**: Numeric keypad icon.
- Conference room**:
 - Lock
 - unlock
- Conference type**:
 - video
 - audio
- User in conference / maximum**: Column header for the list.
- Conference list**:

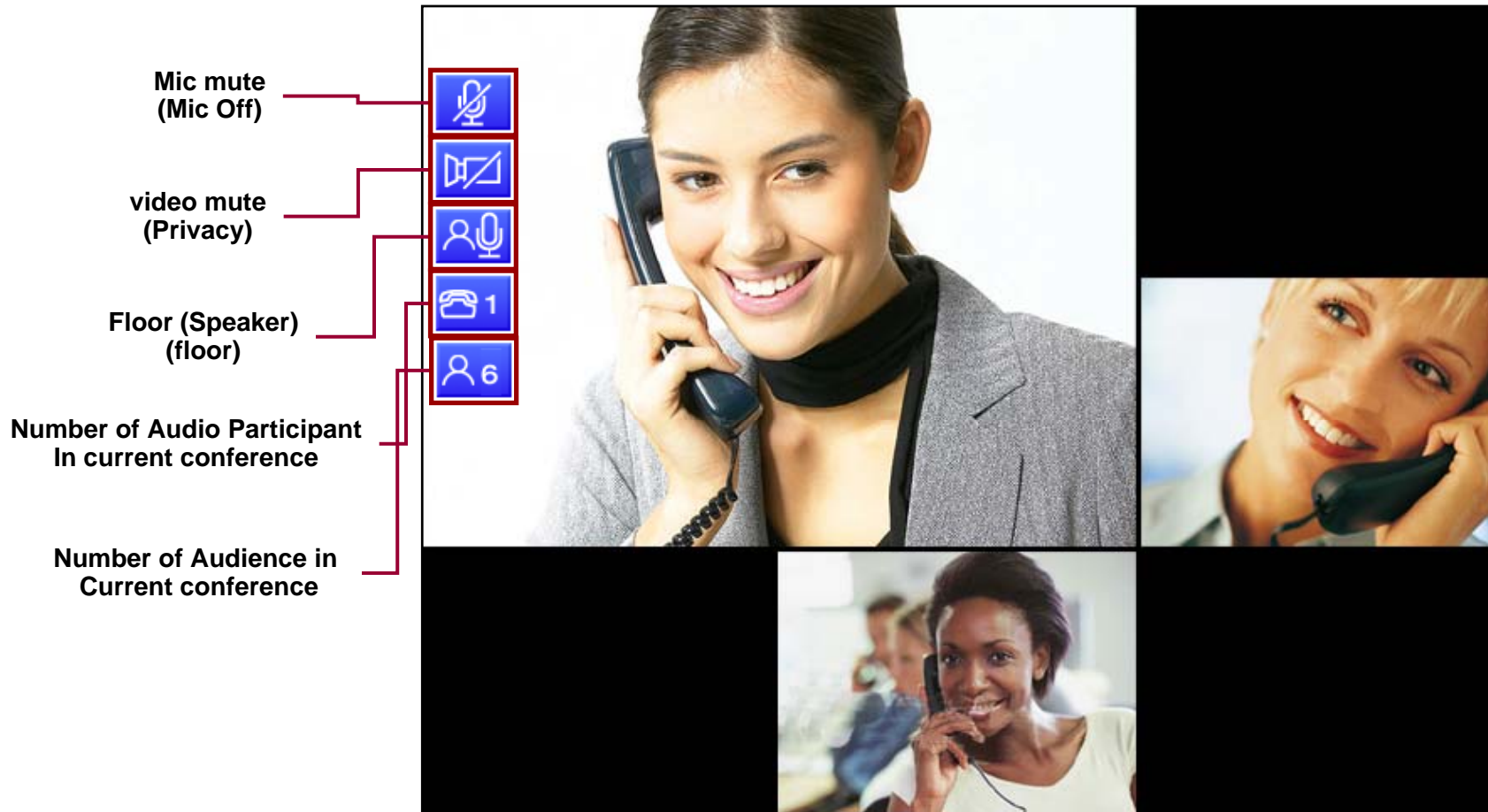
Icon	Conference Name	Conference Number	User in conference / maximum	Lock	Audio	Video	Layout
	Conference 1	1000	3/16				
	Conference 2	2000	0/4				
	Conference 3	8888	0/16				
- Dial-in conference**:
 - gray : not active
 - Colored : active
- Meet-me conference**:
 - gray : not active
 - Colored : active
- Conference name**: Points to the name column.
- Conference number**: Points to the number column.
- Conference layout**: Points to the layout icons.
- See Detail Participant list**: Points to the **Detail View** button.

Conference Open

- Conference open
 - OK or Send Key in Conference Room List
 - Dialing using Conference Room List

Indicators

- User conference status information (function key)



Add Party

- New User Invite in Current Conference

Invite new user

Select User class
-participant
-audience

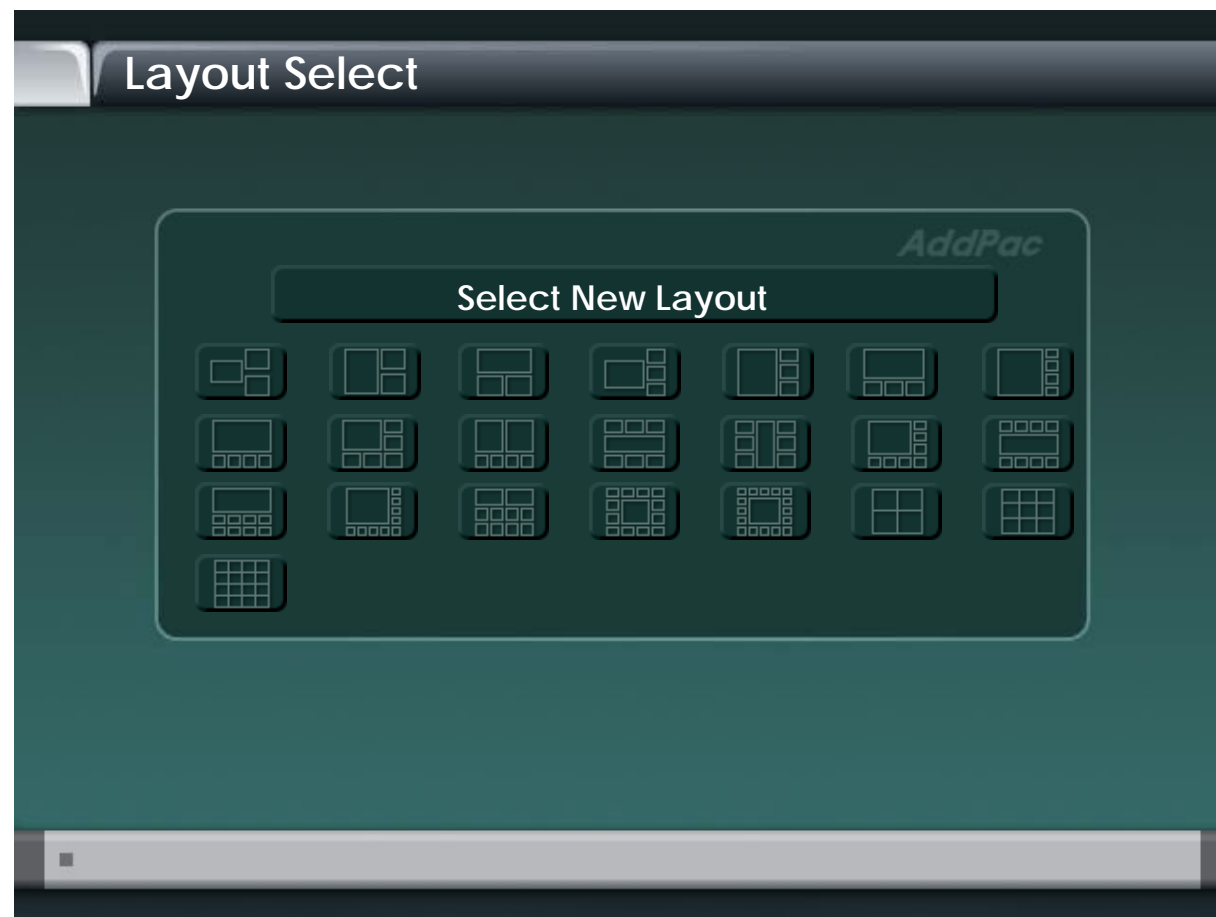
Select Media type
-audio call
-video call

Participant

Audio Call

Layout

- Video Layout Change in current conference



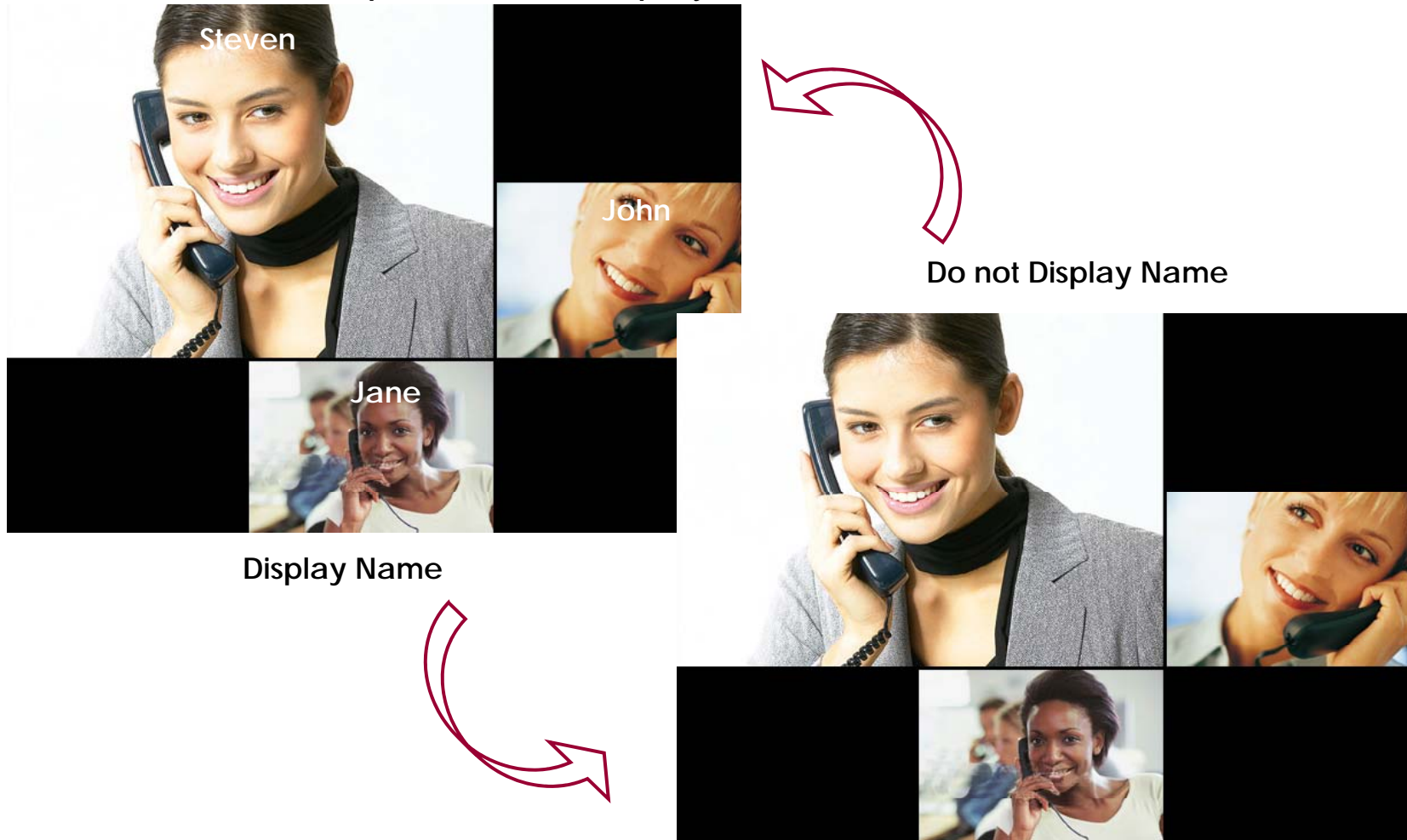
Floor To Full Screen

- Large view display mode : Floor Participant



Display Name

- Conference Participant Name Display Enable/Disable



Accept

- User unregistered want to join the conference
 - User can join the conference by Chair or Operator's Permission,

The screenshot displays the 'Accept' interface for an incoming call. At the top, the word 'Accept' is shown in a dark bar, along with icons for 'ON AIR', a grid, a phone, 'NUM', and a camera. Below this is a grid of video thumbnails. A central overlay reads 'Incoming Call' and '3000'. At the bottom, a control bar contains four buttons: 'Accept', 'Reject', 'Participant', and 'Audio Call'. Annotations include:

- 'Conference Join Accept' pointing to the 'Accept' button.
- 'Conference Join Reject' pointing to the 'Reject' button.
- 'User class -participant -audience' pointing to the 'Participant' and 'Audio Call' buttons.
- 'Media type -audio call -video call' pointing to the 'Audio Call' button.

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Participant info

- Party Info
 - Simple Participant info list View/Modification
 - Chair, Operator can modify the status of participant
 - Participant, Audience can read only the status of participant



Detail participant list

- Can view the status information of member In conference

The screenshot shows the 'Participant List' interface. At the top, there are control buttons: 'ON AIR', a network icon, a microphone icon, 'NUM', and a refresh icon. The list contains four participants: Sally (3010), Stever (3001), Jane (3005), and John (3004). Each row includes a user class icon, name, number, media type icons (video and audio), and an audio/video enable status icon. A 'position' icon is also present. At the bottom, there are buttons for 'Assign Floor', 'Remove Party', 'Position', and 'more'.

Media type
-video
-audio

Audio/Video enable status

position

User class

Participant's name

Participant's number

User class	Participant's name	Participant's number	Media type	Audio/Video enable status	position
[Icon]	Sally	3010	[Video/Audio]	[Status]	[Position]
[Icon]	Stever	3001	[Video/Audio]	[Status]	[Position]
[Icon]	Jane	3005	[Video/Audio]	[Status]	[Position]
[Icon]	John	3004	[Video/Audio]	[Status]	[Position]

Assign Floor Remove Party Position more

Assign floor

- Give floor (Right of Speaking) to Participant selected in List
 - The ICON of Participant having Floor is changed as MIC ICON

The screenshot shows the 'Participant List' interface in AddPac. The list contains four participants: Sally (3010), Steven (3001), Jane (3005), and John (3004). Each participant has a set of icons representing their status and available functions. The 'Assign Floor' button at the bottom is highlighted with a red box, and a red line points to it from the text 'Give Floor (Speaker) to Participant'. The 'Assign Floor' button is currently highlighted in grey, indicating it is active. The 'Assign Floor' button is located at the bottom of the interface, next to 'Remove Party', 'Position', and 'more' buttons. The 'Assign Floor' button is currently highlighted in grey, indicating it is active. The 'Assign Floor' button is located at the bottom of the interface, next to 'Remove Party', 'Position', and 'more' buttons.

Participant	Room Number	Icons
Sally	3010	Speaker, Mic, Camera, Screen
Steven	3001	Speaker, Mic, Camera, Screen
Jane	3005	Speaker, Mic, Camera, Screen
John	3004	Speaker, Mic, Camera, Screen

Have a right of speaking → [Steven's Mic Icon]

Don't have a right of speaking → [Jane's Speaker Icon]

Give Floor (Speaker) to Participant → [Assign Floor Button]

Remove Party

- Conference Call Disconnect of a Participant selected in List

The screenshot displays the 'Participant List' interface. At the top, there are icons for 'ON AIR', a grid, a phone, 'NUM', and a moon. The list contains four participants: Sally (3010), Steven (3001), Jane (3005), and John (3004). The 'Jane' row is highlighted with a red box, and a red line connects it to the text 'Participant Select'. At the bottom, a navigation bar includes 'Assign Floor', 'Remove Party' (highlighted with a red box), 'Position', and 'more'. A red line connects the 'Remove Party' button to the text 'Conference call disconnect of a participant selected'.

Participant Select	Name	Number	Icons
	Sally	3010	[Speaker, Microphone, Camera, Grid]
	Steven	3001	[Microphone, Camera, Grid]
Participant Select	Jane	3005	[Microphone, Camera, Grid]
	John	3004	[Microphone, Camera, Grid]

Conference call disconnect of a participant selected

Assign Floor Remove Party Position more

Position

- Participant Location Change In Conference View Layout
- Display the Position List in current conference view layout



User Class

- Change the Right of Participant selected in List
- User class icon change



Audio/Video Mute

- audio, video mute enable/disable

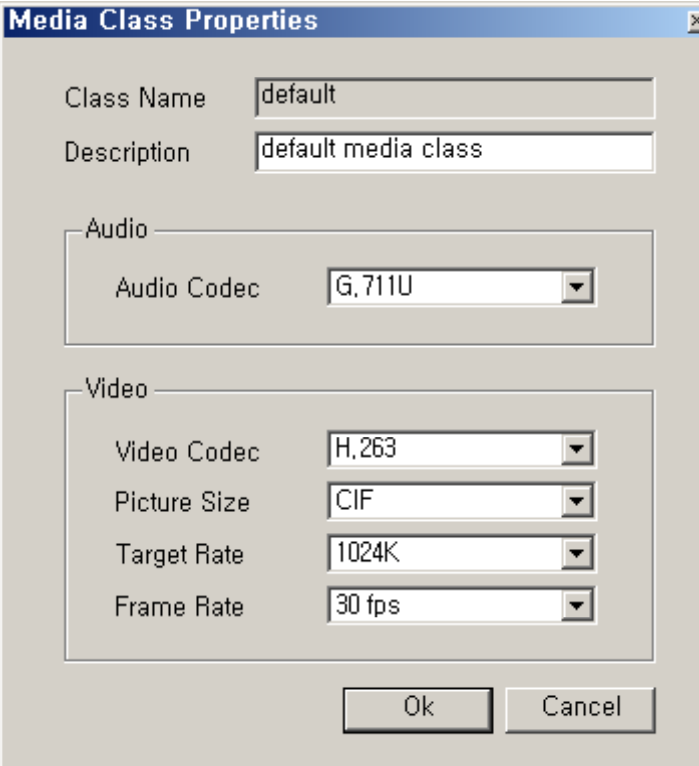
The screenshot displays the 'Participant List' interface. At the top right, there are control buttons for 'ON AIR', a grid icon, a microphone icon, 'NUM', and a camera icon. Two red lines point from the text 'Audio Mute/Enable' and 'Video Mute/Enable' to the microphone and camera icons respectively. The main area contains a table of participants:

Participant Icon	Name	ID	Audio Icon	Video Icon	Other Icons
	Sally	3010			
	Steven	3001			
	Jane	3005			
	John	3004			

At the bottom, a navigation bar includes 'User Class', 'Audio Enable', 'Video Mute', and 'more'. A red box highlights the 'Audio Enable' and 'Video Mute' buttons. A red line points from the text 'Audio, video mute/ enable' to this navigation bar.

Media Class (New)

- **Media Class** represents the profile information about Audio, Video Codecs, and is used for configuration at conference setup



The screenshot shows a dialog box titled "Media Class Properties" with a close button (X) in the top right corner. The dialog contains the following fields:

- Class Name: default
- Description: default media class
- Audio section:
 - Audio Codec: G.711U
- Video section:
 - Video Codec: H.263
 - Picture Size: CIF
 - Target Rate: 1024K
 - Frame Rate: 30 fps

At the bottom of the dialog are "Ok" and "Cancel" buttons.

Conference Room

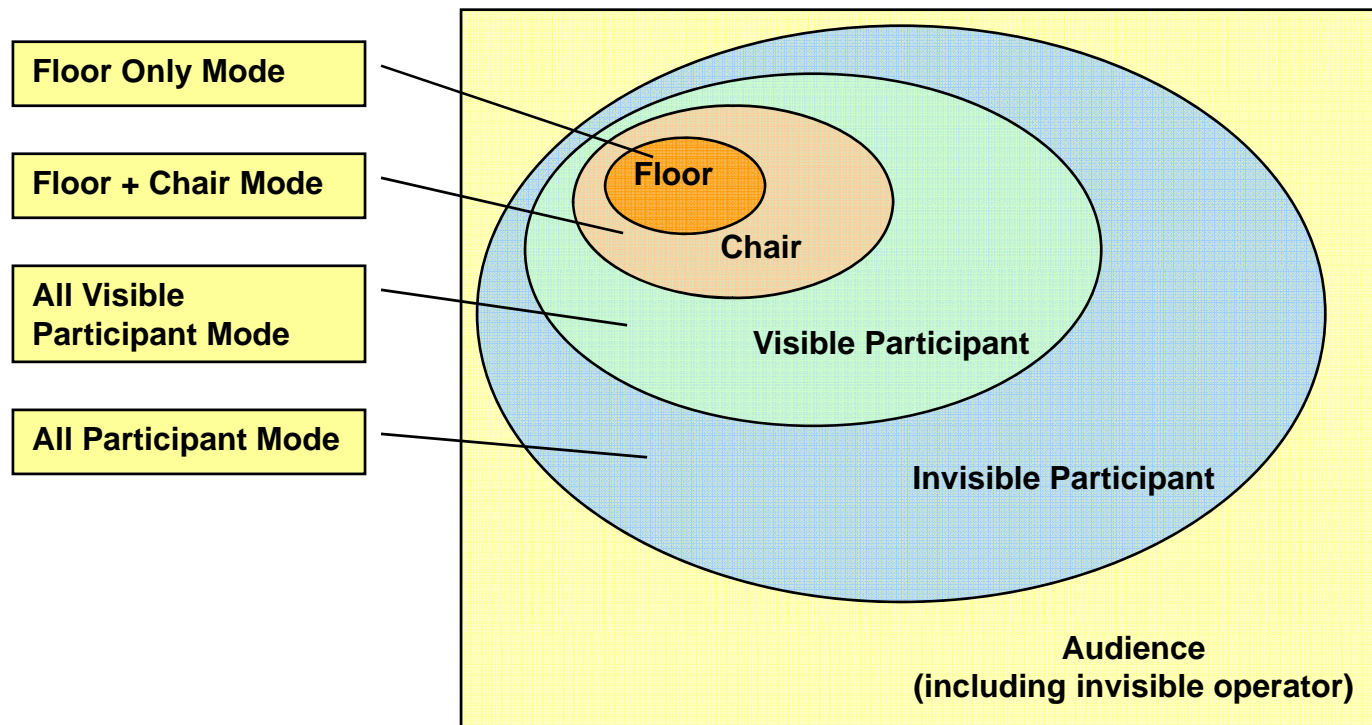
*Blue Box is newly implemented functions.

The screenshot shows the 'Add Conference' dialog box with the following settings and callouts:

- Conference Name & Description:** Fields for 'Conference Name' and 'Description'.
- Conference Number:** A text input field for the conference number.
- Conference Type:** A dropdown menu set to 'Dial-Out Conference'. Callout: 'Conference Type : Dial-out, Meet me, AddHoc'.
- Media Type:** A dropdown menu set to 'Audio'. Callout: 'Media Type Select Conference Media Type'.
- Media Class:** A dropdown menu set to 'default'. Callout: 'Media Class Select a Media Class for a conference room. Second, third media class are reserved for first media class Mismatch.'.
- Partition:** A dropdown menu set to 'N/A'.
- Secondary Media Class:** A dropdown menu set to 'N/A'.
- Third Media Class:** A dropdown menu set to 'N/A'.
- Max Participant:** A spinner box set to '16'. Callout: 'Maximum Participant (Can select in Meet-Me conference type only)'.
- Conference Priority:** A spinner box set to '3'. Callout: 'Conference Priority Conference Priority Setting'.
- Speaking Mode:** A dropdown menu set to 'All Participants'. Callout: 'Speaking Mode Set up Who can speak out at conference'.
- Encryption Mode:** A dropdown menu set to 'off'. Callout: 'Encryption Mode Encryption mode setup for secure conference'.
- Close on Chair Out:** A checked checkbox. Callout: 'Close on Chair Out Conference Disconnected if chair hang up phone'.
- Secret Room:** An unchecked checkbox. Callout: 'Secret Room -Secret room and Room Password - (Can select in Meet-Me conference type only)'.
- Room Password:** A text input field with '(4 digit)' next to it. Callout: 'Enable Voice Switching Provide the Voice Activity Switching Function'.
- Video Terminal:** A sub-dialog box with settings for 'Target Rate' (384K), 'Frame Rate' (30 fps), 'Picture Size' (CIF), and 'Dynamic Picture Size' (enable). Callout: 'Video Terminal In case of Video Media type, select the video parameter of endpoint.'.

Speaking Mode (New)

- Speaking Mode
 - Determine the scope of participant who can speak out at conference.



Voice Switching(New)

- Voice Switching
 - Voice Activity Switching or Voice Detect Switching
 - Detect the Voice Activity of participants during video conference, and dynamically change the MCU display layout mode to display a participant who is speaking out currently
 - If one participant obtains Floor, Voice Switching is inactive automatically till Floor is released.
- Display Priority Control
 - Floor > Voice Switching > Chair

Conference Room - Layout

The screenshot shows the 'Add Conference' dialog box with the 'General' tab selected. The 'Video' section is highlighted, and several settings are annotated with yellow callout boxes:

- Video Layout Mode**: - Auto (symmetric, asymmetric) - manual
- Arrange Mode**: -dynamic, fixed, fixed reserved
- Video Layout**: - Select the video layout
- Floor Assign Mode**: -After Release, On Request
- Floor to Full Screen**: - Floor to Full Screen Enable/Disable in symmetric, asymmetric Layout Mode.
- Display Participant Name**: - Participant Name Display Enable/Disable and Location of Name Display
- Color**: - Layout border and Floor, Background Color Setting.

The dialog box includes fields for Conference Name, Description, Conference Number, Conference Type, Media Type, Partition, Media Class, Secondary Media Class, Third Media Class, Max Participant, Conference Priority (3), Speaking Mode, Encryption Mode, and Room Password (4 digit). The 'Video' section includes Terminal, Layout, Layout Mode (Auto(Asymmetric)), Arrange Mode (Dynamic), Video Layout (3), Floor Assign Mode (After Release, On Request), Floor to Full Screen (Symmetric, Asymmetric), Display Participant Name (Layout: Top Left, Size: Small), and Color (Border Line, Floor Line, Background Line, Background).

Conference Room - Participants

Search Phone Number
Used for phone number or user search

Filter
Filter Name: Phone Number, Rule: is exactly, Word: [] [Advanced Search](#) Find

Number	Partition	User
5007	Factory...	
5008	Factory...	
5009	Factory...	
5010	Factory...	
5011	Factory...	
5012	Factory...	
5013	Factory...	
5014	Factory...	
6000	external...	
6001	external...	
6005	external...	
6006	external...	
6010	external...	
6011	external...	
6020	external...	
6029	external...	

Phone Number
Participant Phone List

External Phone Number
Register the external phone line number by inputting number directly

Number	Partition	User	Type	User Class	Media Type	Position	Display Name	Media Class
5007	Factory_in ternal_ex...		Internal	Chair	Video	[]	Steven	default
5008	Factory_in ternal_ex...		Internal	Participant	Video	[]	John	default
5009	Factory_in ternal_ex...		Internal	Participant	Video	[]	Jane	default
5010	Factory_in ternal_ex...		Internal	Participant	Video	[]	Sally	default
					Video	[]	Micle	default

User Class
(Chair, Operator, Participant, Audience)

Media Type
(Audio, Audio (Seat Reserved), Video)

Position
In case of video media type, Select the location of a participant in video layout

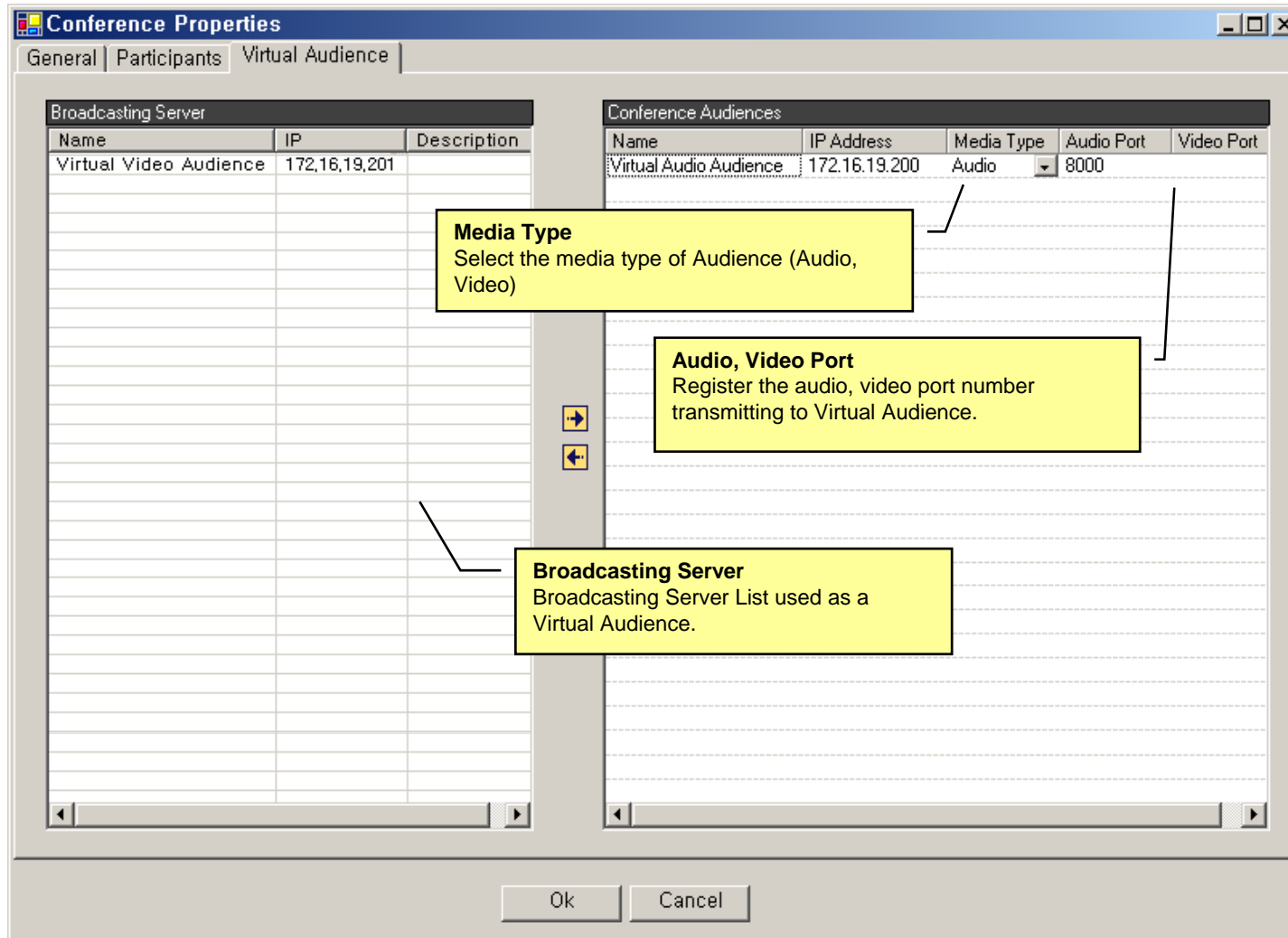
Display Name
A Participant Display Name

Media Class
Select a Media Class for a conference participant

Enter External Phone Number [] Add

Ok Cancel

Conference Room – Virtual Audience



Active Conference (1)

The screenshot displays the 'Smart Multimedia Manager' interface. At the top, there is a menu bar (File, View, Search, Tools, Window, Help) and a toolbar with various icons. Below the toolbar, the 'AddPac' logo and 'Smart Multimedia Manager' title are visible. The main area is divided into two sections: 'Conference' and 'Participants (n>AddPac Conference)'. The 'Conference' section contains a table with the following data:

Conference Na...	Conference Number	Status	Conference Type	Start Time	Duration	Media Type	Floor to Full...	Layout Mode	Arrange Mode	Layout	No. of Pa...
n>AddPac Conference	7002	Running	Dial-Out	20050714-15:30:22	00:02:01	Video	Off	Manual	Dynamic		4

The 'Participants' section contains a table with the following data:

Participant Name	Phone Number	IP	Status	Audio	Video	Mic.	Speaker	Floor	In Picture	Reason
Kown.jh	7030	172.16.10.1	Joined			8	10	10		
Choi.js	7031	172.16.10.2	Joined			8	10	10		
Lee.mj	7032	172.16.10.3	Joined			8	10	10		
JJang.hg	7033	172.16.10.3	Left			8	10	10		

Two yellow callout boxes provide additional information:

- Conference**: Display the current conference room list
- Participants**: Display the participant list in conference room each

The bottom status bar shows connection status for three IP addresses: 172.17.250.250 (Ok), 172.16.31.13 (Connect fail), and 172.16.31.2 (Ok). It also displays the date and time (2007-10-18 3:35:55), version (3.0.2846), and a user profile (Manager).

Active Conference (2)

The screenshot displays the 'Smart Multimedia Manager' interface. At the top, a yellow callout box contains the text: "Conference Conference parameter setting is possible dynamically in current conference call". Below this, a table lists conference details. A blue callout box labeled "New 2 Party Layout" points to a specific layout icon in a grid of options. The bottom of the interface shows a list of participants with their names, phone numbers, IP addresses, and status.

Conference Na...	Conference Number	Status	Conference Type	Start Time	Duration	Media Type	Floor to Full...	Layout Mode	Arrange Mode	Layout	No. of Pa...
n>AddPac Conference	7002	Running	Dial-Out	20050714-15:30:22	00:02:01	Video	Off	Manual	Dynamic	[Layout Icon]	4

Participants (n>AddPac Conference)										
Participant Name	Phone Number	IP	Status	Audio	Video	Mic.	Speaker	Floor	In Picture	
Kown.jh	7030	172.16.10.1	Joined	[Icon]	[Icon]	8	10	[Icon]	[Icon]	[Icon]
Choi.js	7031	172.16.10.2	Joined	[Icon]	[Icon]	8	10	[Icon]	[Icon]	[Icon]
Lee.mj	7032	172.16.10.3	Joined	[Icon]	[Icon]	8	10	[Icon]	[Icon]	[Icon]
JJang.hg	7033	172.16.10.3	Left	[Icon]	[Icon]	8	10	[Icon]	[Icon]	[Icon]

Active Conference (3)

The screenshot displays the 'Smart Multimedia Manager' interface. At the top, it shows the title bar and menu options. Below the title bar, there's a header with the 'AddPac' logo and 'Smart Multimedia Manager' text. The main area is divided into several sections:

- Conference Information:** A table showing conference details.

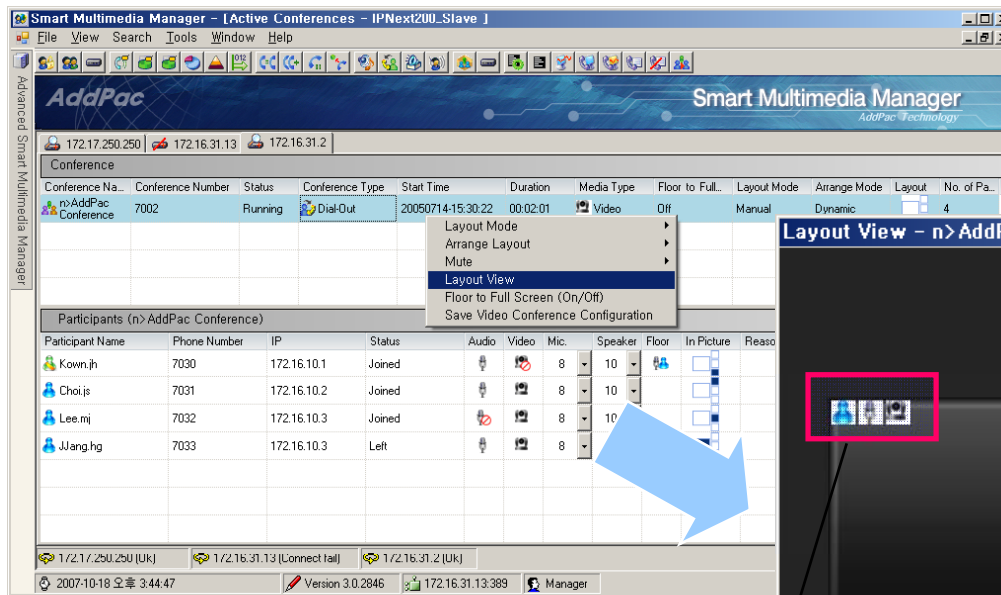
Conference Na...	Conference Number	Status	Conference Type	Start Time	Duration	Media Type	Floor to Full...	Layout Mode	Arrange Mode	Layout	No. of Pa...
n>AddPac Conference	7002	Running	Dial-Out	20050714-15:30:22	00:02:01	Video	Off	Manual	Dynamic	[Layout Icon]	4
- Conference Snapshot:** A window showing a real-time still image of a current video conference call. It includes an 'Auto Refresh' checkbox, a 'Refresh' button, and a 'Refresh Interval' set to 5 seconds.
- Participants:** A table listing participants with their parameters.

Participant Name	Phone Number	IP	Status	Audio	Video	Mic.	Speaker	Floor	In Picture	Res
Kown.jh	7030	172.16.10.1	Joined	[Audio Icon]	[Video Icon]	8	10	[Floor Icon]	[In Picture Icon]	[Res Icon]
Choi.js	7031	172.16.10.2	Joined	[Audio Icon]	[Video Icon]	8	10	[Floor Icon]	[In Picture Icon]	[Res Icon]
Lee.mj	7032	172.16.10.3	Joined	[Audio Icon]	[Video Icon]	8	10	[Floor Icon]	[In Picture Icon]	[Res Icon]
JJang.hg	7033	172.16.10.3	Left	[Audio Icon]	[Video Icon]	8	10	[Floor Icon]	[In Picture Icon]	[Res Icon]
- Mic, Speaker:** A control area for Mic or Speaker Volume Control for a Conference participant, highlighted with a blue box.
- Participants:** A note indicating that participant parameter setting is possible dynamically in current conference call, highlighted with a yellow box.

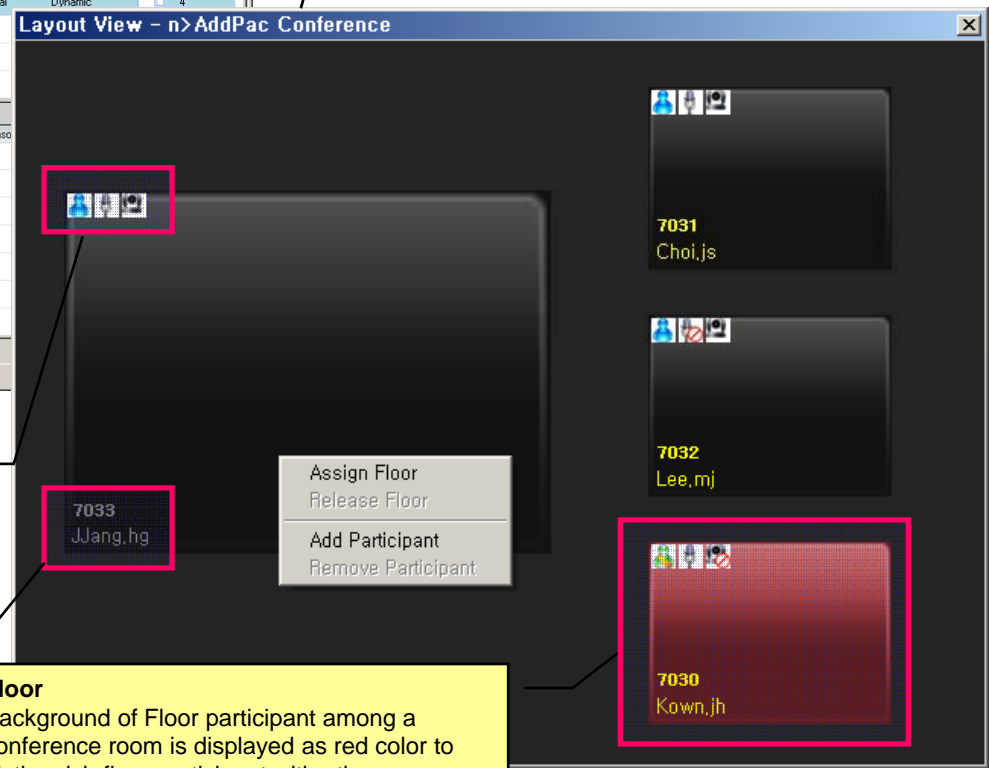
At the bottom, there's a status bar showing connection status for three participants (172.17.250.250 (Ok), 172.16.31.13 (Connect fail), 172.16.31.2 (Ok)), the date and time (2007-10-18 3:38:57), the version (3.0.2846), and the user (Manager).

Active Conference (4)

Layout view function provide the layout status of a conference participant



Layout View
User can change a participant layout easily via Mouse Drag & Drag at Layout view window. Floor configuration, participant add or delete function is also provided.



Indicator
User class configuration, audio/video on/off and configuration is possible

Status
Display the status of each participant such as phone number, nick name, alias. Using font color, show whether a user participate conference room or not. (yellow color : participating , grey color : not participating)

Floor
Background of Floor participant among a conference room is displayed as red color to distinguish floor participant with other participant.

Conference Schedule

Conference scheduling is used for configuration of repeated conference or a specific day conference

The screenshot shows a dialog box titled "Add a New Conference Schedule" with the following fields and callouts:

- Schedule Name, Description:** Fields for "Schedule Name" (containing "Conference Schedule") and "Description".
- Conference Room:** A dropdown menu set to "Dial".
- Start Date time:** A date dropdown set to "2007-10-18" and a time spinner set to "오후 4:00:45".
- Duration:** A text input field followed by "sec".
- Schedule Recurrence:** A checked checkbox labeled "Schedule Recurrence".
- Recurrence:** Radio buttons for "Daily", "Weekly" (selected), and "Monthly".
- Weekly:** A sub-section with "Recur every" (checkboxes for 1, 2, 3, 4, 5 week) and checkboxes for days: Mon, Tue, Wed, Thu, Fri, Sat, Sun.
- Range Of Recurrence:** A section with "End By:" and a date dropdown set to "2007-10-18".
- Enable Schedule:** A checked checkbox at the bottom of the dialog.

Callout boxes provide additional context:

- Start Date time:** Schedule start day and time setup
- Duration:** Conference duration time (sec)
- Schedule Recurrence:** Repeated conference setup
- Enable Schedule:** Schedule enable or disable Setup
- Schedule Name, Description:** Conference Schedule Name and Explanation
- Conference Room:** Conference Room Setup
- Daily, Weekly, Monthly:** Set up Conference schedule
- Range Of Recurrence:** Schedule end-day setup



Thank you!

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