

AP-MC5500 IP Video MCU

High-performance Video MCU Solution





New Enhanced MCU Features



AddPac Technology

Sales and Marketing

www.addpac.com

Contents

- Video Display Layout
- Dynamic Session Management
- Personal Feature
- Video Conference Signaling
- MCU Management (SMM)
- OSD (Video Phone, Video Terminal, etc)
- Conference Service Diagram : Example

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



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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

	General Participants Virtual Audienze	Conference Name & Description	
Conference Type : Dial-out, Meet me, AddHoc	Conference Name Description Conference Number	Video Support EndPoint Layou	Video Endpoint In case of Video Media type, select the video parameter of endpoint.
Media Type Select Conference Media Type Audio Codec Select a conference audio codec	Conference Type Dial-Out Confe Partition N/A Media Type O Audio O Video + Audio Audio Codec G.711U Max Participant 16	rrence ■ Edit Video Type Con Target Rate 1024 Picture Size 640x Video Codec MPE ■ Frame Rate 30 fp	tinuous presence
Maximum Participant (Can select in Meet-Me conference type only) Close on Chair Out Conference Disconnected if chair hang up phone)	Close on Chair Out	(4 digit) Room Password bet-Me conference type Ok Cancel	Video Support In case of Video Media Type, select the video information

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Conference - Layout



Conference - Participants

	Conferen	ice Pr	operties										_ 0
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	Phone Num	ber			Conference	e Participar	ate						
	Number	Par	User	_	Number	Partition		Tune	User Class		vledia Tyne	Position	Display Name
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	1004 1005		lee young sik oh hyoung suk		3004		John	Internal	Participant	• \	/ideo ,		
	1006 1007		lee myoung won choi jin suk		3005		Jane	Internal	Participant	٠N	/ideo ,		
	1008		lee min ji kwon jong hwi		3010		Sallu	Internal	Participant		/ideo		
	1012 1013 1015		kim sang mi you jae won				Jaily	internal	, ancipant				
	1015 1018 1019 1020		kim kyoung nam kim chang yeon kwon young pil	Use (Cha	<mark>r Class</mark> air, Opera	ator, Partic	cipant, Au	udience)	<u>-</u>				
	1021 1024 1026		kim do hyoung kim kwang lee joung hyuk										
	11027 1101 1102 1500 3003		choi woo suk sin kwang woong choi jin suk		Mec (Aud	lia Type dio, Audio	(Seat Re	eserved),	, Video)				
Phone Number	3003	-	kim kyoung nam										/
Participant Phor	4002 4003		kim so young	-		Po In	sition case of v	ideo meo	dia type,		/	/	
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umber directly					0	'k	Cancel				1		



Conference – Virtual Audience

Name	IP	Description	1	Name IP Address Media Type Audio Port Video P
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			······································	Audio, Video Port Register the audio, video port number transmitting to Virtual Audience.
			Broade Broade Virtual	casting Server asting Server List used as a Audience.
. 1				

Active Conference (1)

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Active Conference (3)

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OSD (Video Phone, Video Conference Terminal, etc)

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





Conference Room

• Application >> Conference Room

 conference list 		User	in conferenc	e / maximun	Confe n	rence roo -Lock unlock	om Confer -v -a	ence ideo udio	type
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Meet-me conference ! - gray : not active · - · - - Colored : active									Conference layout
Conference name									
Conference number						<u>i</u>			
See Detail Participant list	Detail \	/iew							



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



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Layout

• Video Layout Change in current conference

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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,



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



Assign floor

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

	Participar	nt List				
					Ad	dPac
	Sal	ly	3010	88	1	
Have a right of speaking —	🕂 👗 📔 Ste	even	3001	8	ф 🛛 🔍	
Don't have a right of speaking	Jai	ne	3005			
	lot 💧	าท	3004	8	1	
Give Floor (Speaker) to Participant						
	Assign Floor	Remove Party	Posit	tion	= ma	ore
- 1)				



Remove Party

Conference Call Disconnect of a Participant selected
 in List

	Partici	pant List	_	ON All	
					AddPac
Participant Select		Sally	3010	88 🤅	
		Steven	3001	18	
L		Jane	3005		
		John	3004	8.3	
Conference call disconnect					
	Assign Flo	oor Remove	Party Posi	tion =	more

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Position

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

Position	h Select
	AddPac
	Select New Position
H	



User Class

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

Use	r-Class	
		AddPac
<u>š</u>	Chair man	
	Operator (Visible)	
	Operator (invisible)	
	Participant	
	Audience	



Audio/Video Mute

• audio, video mute enable/disable

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	Partic	ipant List		ON AIR	
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		Jane	3005		
		John	3004	8.33 🕴	
Audio, video mute/ enable	-				
	User Cl	ass 🔹 Audio Ena	ible Vide	o Mute	more

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Thank you!

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