Panasonic

HD Visual Communication Unit KX-VC1000/KX-VC1300/KX-VC1600/KX-VC2000 (Software Ver4.52)

Release Note Ver1.00 10th Jul. 2017

Panasonic Corporation

Connected Solutions Company

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1. Introduction

1.1. Purpose

This release note mentions about software version 4.52 for HD visual communication unit (Referred to as "HDVC" hereinafter) KX-VC1000/1300/1600/2000.

HD Visual Communication Mobile is abbreviated as HDVC Mobile hereafter.

1.2. Object Model

Object models for this release note are as follows.

Model	Note
KX-VC1000(SX,CH)	
KX-VC1300(A,SX,CH)	
KX-VC1600(A,SX,CH)	
KX-VC2000(SX,CH)	

%Ver4.35 does not support KX-VC500, KX-VC300 nor KX-VC600.

1.3. Disclosure scope

Disclosure scope is for end user, the sales companies, SIer and dealers which are in charge of system up, setting and maintenance.

1.4. Contents

This release note mentioned as follows.

- \cdot Update information for Ver4.52
- Update information for previous versions

2. Update information for KX-VC1x00/VC2000

Regarding software Ver.4.52 for KX-VC1000/1300/1600, the following list shows the new function and update information comparing to the software of KX-VC1x00 Ver. 4.35 and KX-VC2000 Ver.4.51. Regarding software Ver.4.52 for KX-VC2000, the following list shows the new function and update information comparing to software Ver. 4.51.

				Object	Model	-
Item	Function	Function	VC 2000	VC 1600	VC 1300	VC 1000
New function	Profile standby	• Add a function that standby with profile specified.	$\operatorname*{Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	White list	• Add a function that incoming permission with whitelist.	$\operatorname*{Yes}_{\divideontimes_2}$	Yes	Yes	Yes
Improvement of Functions	Permeation of Site name	• Support for permeation of site name during MCU to GUI.	$\mathop{\rm Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Password for remote access	 Enhanced password for remote access. 8 characters or more Use 2 or more types of characters 0 - 9 A - Z * Uppercase or lowercase Symbols 	Yes $_{\ast_2}$	Yes	Yes	Yes
	Sites number per profile	• Support for 30 sites per profile.	$\operatorname*{Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	layout pattern	• Add layout pattern during MCU. (CP13 – 28)	$\mathop{\rm Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Remote access setting	• Add Remote access setting to GUI.	$\mathop{\rm Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Call history during call	• Add number of call history during call.	$\mathop{\rm Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Secondary bandwidth selection	• Add choices of secondary bandwidth selection.(1.5 Mbps/1.2 Mbps/384 kbps)	$\mathop{\rm Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Number of call history	• Add number of call history to 100.	$\mathop{\rm Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	How to Save Call History	• Save all history on incoming and outgoing calls.	$\mathop{\rm Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Redial history	• Support for check the redial history in the call history.	$\mathop{\rm Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Delete call history	• Add setting for disable delete history function.	$\mathop{\rm Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Delayed Offer	• Support for Delayed Offer of SIP.	$\mathop{\rm Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Video quality setting	• Add setting for Video quality (PC) and Video quality (Sub Camera).	$\operatorname*{Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Admin login	• Support for hide the yellow button (Admin login) displayed on the menu screen.	$\operatorname*{Yes}_{\divideontimes_2}$	Yes	Yes	Yes

Yes: Supported, Conditionally: Available by Activation, No: Unsupported (unavailable), N/A

				-	NAVUI	70711
	Add Setting to GUI	 Add settings to GUI. Characteristics of microphone collected sound Microphone to mute Setting not to display the MCU site on the multi view. 	$\operatorname*{Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	System Information screen during a calling	• Improvement of behavior that System Information screen.	$\operatorname*{Yes}_{\divideontimes_2}$	Yes	Yes	Yes
	Company name	• Change company name from Panasonic System Networks Co., Ltd. to Panasonic Corporation on the EULA screen.	Yes	Yes	Yes	Yes
Others	Other improvement	• Improvement of behavior that communication using NTT DoCoMo's SIM.	Yes	Yes	Yes	Yes
		• Improvement of behavior that the output of HDMI 3 is set to the output of HDMI 1 or HDMI 2 on the Video Output screen, Determine the video output format from the format information of the output source.	Yes	Yes	Yes	Yes
		• Improvement in order to synchronize video and audio when many connection destinations disconnected at the same time at the MCU site.	Yes	$\operatorname{Yes}_{\divideontimes_1}$	$\operatorname{Yes}_{\divideontimes_1}$	$\operatorname{Yes}_{\divideontimes_1}$
		• Improvement of behavior that Self diag. cannot be finished.	Yes	N/A	N/A	N/A
		• Improvement of behavior that Connection destination information is rarely displayed in the device information of the Web console.	Yes	$\mathop{\rm Yes}_{\divideontimes_1}$	$\mathop{\rm Yes}_{\ast_1}$	$\operatorname*{Yes}_{\divideontimes_1}$
		 Improvement of behavior that it can receive incoming calls from KX-VC300/KX-VC600 if you set the following. Quality of Service of Call setup screen to Video. G.722.1 and AAC-LD of Codec settings screen to OFF. 	Yes	Yes	Yes	Yes
		• Improvement of behavior that the standby setting of the profile released by importing the profile becomes standby setting by re-entering the profile of the standby target.	Yes	N/A	N/A	N/A
		• When the forced transmission permission setting is valid and the WAN side IP address can be obtained, calling is enabled regardless of the result of NAT investigation.	Yes	Yes	Yes	Yes
		• Improvement of behavior that the frame rate on System Info. Screen	Yes	Yes	Yes	Yes

correctly to the first decimal place when connecting with other company's endpoint.				
• Improvement of behavior that the startup fails extremely really when Multicast is active and starts up in the Web port open state.	Yes	Yes	Yes	Yes

Yes^{\times_1}: Corresponded with Ver.4.35

Yes^{\times_2}: Corresponded with Ver.4.51

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Item	Function	Function	VC1600	VC1300	VC1000
Improvement of Functions	Improvements	• Improvement of behavior that other endpoints that have received the content remain the contents screen, if a main unit receives an incoming call from a dual stream invalid endpoint and the incoming confirmation pop-up is displayed while a plurality of endpoints are connected and one endpoint shares a content by dual stream.	Yes	Yes	Yes
		• Improved communication stability in a network where multiple MAC addresses are assigned to one IP address. (e.g. GLBP (Gateway Load Balancing Protocol)).	Yes	Yes	Yes

Item	Function	Function	Object Mod			
Item	Function		VC1600	VC1300	VC1000	
Improvement of Functions	Improvements	• Support for automatically transition to PC single screen when PC screen sharing is executed at HDVC mobile for Windows by the single stream.	Yes	Yes	Yes	
		• Improvement of behavior that the setting is reflected on the operation if the setting of "Echo Canceller" of "Audio I/O" menu is set to "OFF".	Yes	Yes	Yes	
		• Improvement of behavior that the LAYOUT button does not become effective if the setting of "Video output" is set to "HDMI1" and the setting of "Layout 1" is set to below. "Content / Camera (PwithP)" "Content / Camera (SideBySide)"	Yes	Yes	Yes	
		• Improvement of behavior that the video is not output when HDVC returns from screen stand-by if HDVC is connected to the old model of monitor that supports only 1080i.	Yes	Yes	Yes	
		• Improvement of behavior that the video of HMDI3 becomes abnormal if HDMI1 or HMDI2 of HDVC is connected to the old model of monitor that supports only 1080i and "Output of HMDI3" is set to the corresponding HDMI terminal.	Yes	N/A	N/A	
		• Improvement of following behavior that rarely occurs. The bandwidth is reduced and the disturbance of the video continues in the case of dual stream transmission.	Yes	Yes	Yes	
		• Improved to be able to reduce the time until the bandwidth returns back after the packet loss due to network occurs.	Yes	Yes	Yes	
	Enhanced connectivity with other companies	• Improved to be able to communicate with the following endpoints using SIP. Polycom : Group $300/500(4.3.0, 5.1.2)$ HDX7000/8000(3.1.6, 3.1.10) CISCO : C20/60(7.3.2, 7.3.5) CISCO : SX20(8.1.0) SONY : XG77s/100s(1.42, 1.51), XG80/XA80/XG55(2.45), XC1(1.12, 1.22) Lifesize : Express220(5.0.3), Passport(4.12.0) Avaya : VC240(1004.16)	Yes	Yes	Yes	
		• Improved to be able to receive XGA using H.263 in the case of more than 5 endpoints conference.	Yes	N/A	N/A	
		• Improved to be able to communicate with Polycom ViewStation Release 5.6	Yes	Yes	Yes	

Yes: Supported, Conditionally: Available by Activation, No: Unsupported (unavailable)

using H.323.			
• Improvement of behavior that HDVC cannot communicate normally depending on the order to connect to endpoints when it connects to HDVCs and more than one of other vendor's endpoints such as SONY XG80 that supports only H.264 Baseline Single NAL for the video codec.	Yes	Yes	Yes

Release information of Ver4.30

I		Object	Model
Item Function	Function	VC1600	VC1300
Improvement Improvement of	• Improvement of GUI wordings of pop-up	Yes	Yes
of GUI wordings	display and call histories, etc.	- *	
Functions	 Improvement of behavior that the position of the excluded site becomes a black screen after MCU mode is changed from "Discussion" to "Presentation" when the setting of "Main Position (Discussion)" is set to except for "Specified Position" and the setting of "Main Position (Presentation)" is set to "Specified Position" and the setting of "Display position setting" is set to "Black scene" and a site is excluded at the time of outgoing with "Discussion" mode. Improvement of behavior that the settings of MIC3 and MIC4 of "MIC Setting" become invalid after restart in case of Manual setting. Improvement of behavior that the communication might not be a communication using the profile and an incoming call happen at the same time. Improvement of behavior that the dual steam function does not become effective automatically after HDVC mobile (for iOS / for Android) takes part in the conference in which the encryption is enabled and the dual stream is disabled and afterward the endpoint that does not support the dual stream disconnects from the conference. Improvement of behavior that HDVC mobile for Windows is disconnected after ward the endpoint that does not support the dual stream disconnects from the conference. Improvement of behavior that the failure rarely occurs in HDVC that sending content when an endpoint that does not have dual stream. Improvement of behavior that the howling might occur at start-up in the case that the speaker is connected to the Audi	Yes	Yes

Yes: Supported, Conditionally: Available by Activation, No: Unsupported (unavailable)

Enhanced might restart when HDVC receives more than 11 incoming calls using SIP protocol at the same time. • Improvement of behavior that HDVC restarts when "Version Confirmation" is executed in the case that "Update Method" in "Software update" menu is set to "USB" and USB adapter without SD card is inserted. • Improvement of behavior that "Multicast Three Set." menu cannot be set when "Edit Profile" of "GUI Settings" is set to "OFF". • Improvement of behavior that the configuration data in which the setting of "Video Output" in "Video Output" menu is set to "OFF" cannot be imported. • Improvement behavior that the eneryption setting cannot be saved in which is set to "OFF" cannot be imported. • Improvement behavior that the setting of "Factoryption (NAT Traversal) Mode and afterward the "Connection mode" is changed to IP Mode or NAT Traversal Mode. • Improvement behavior that the audio from HDVC mobile for Windows Ver3.14 is not outputted when the setting of "Quality of Service" in "Call set up" menu is changed to IP Mode or NAT Traversal Mode. • Improvement behavior that there is a case in which a part of a serven display becomes green for a moment at startup. Enhanced • Improvement behavior that there is a case in which a part of a serven display becomes green for a moment at startup. • Improved to be able to communicate with Sony PCS-160 using H.264 codec. • Improvement of behavior that SONY PCS-160 using H.264 codec. • Improvement of behavior that SONY PCS-650 cannot receive the sub-camera when MCU site (HDVC) secrets content sharing with SONY PCS-1640 and HDVC are comment with Sony PCS-1650 using	 than 11 incoming calls using SIP protocol at the same time. Improvement of behavior that HDVC restarts when "Version Confirmation" is executed in the case that "Update Method" in "Software update" menu is set to "USB" and USB adapter without SD card is inserted. Improvement of behavior that "Multicast Tree Set." menu cannot be set when "Edit Profile" of "GUI Settings" is set to "OFF". Improvement of behavior that configuration data in which the setting of "Video Output" in "Video Output" menu is set to "HDMI 1" and the setting of "Audio output terminal" in "Audio I/O" menu is set to "OFF" cannot be imported.
remain lower after content sharing	Enhanced connectivity with other companiesencryption setting cannot be saved in "Encryption Key" is blanked after the settings of "Encryption (SIP)" and "Encryption (NAT Traversal)" are set to "ON" in IP/NAT Traversal Mode and afterward the "Connection mode" is changed to IP Mode or NAT Traversal Mode.• Improvement behavior that the audio from HDVC mobile for Windows Ver3.14 is not outputted when the setting of "Quality of Service" in "Call set up" menu is changed to "Video" and HDVC receives an incoming call from HDVC mobile.• Improvement of behavior that there is a case in which a part of a screen display becomes green for a moment at start-up.• Improved to be able to communicate with sony PCS-1 using H.264 codec.• Improved to be able to communicate with Sony PCS-650 using H.264 codec.• Improvement of behavior that SONY PCS-G50 cannot receive the sub-camera when MCU site (HDVC) executes content sharing by the dual stream in the case that SONY PCS-G50 and HDVC are connected to MCU.• Improved to be able to communicate with Sony PCS-TL33 using H.264 codec.• Improve to be able to communicate with Sony PCS-G50 and HDVC are connected to MCU.• Improved to be able to communicate with Sony PCS-TL33 using H.264 codec.

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 start/stop at MCU site (HDVC) by the dual stream in the case that CISCO SX20, Polycom VSX and HDVC are connected to MCU. Improvement of behavior that there is a case that the communication does not become normal rarely after the connection with CISCO MCU by SIP protocol with the dual stream available setting. 	

Yes: Supported,	Conditionally:	Available by	Activation. N	lo: Unsupported	(unavailable)
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Item	Function	Remarks	Object	Model
			VC1600	VC1300
New Functions	Presentation mode	 Add Presentation mode in MCU mode which is suitable for lecture-style conferences. By selecting Presentation mode, the main site can see a composite image including subsites, and the sub sites can see the image of main site only. You can easily change the MCU mode during a conference call, by using MCU setting menu or just pressing the yellow button of remote control. Add Presentation mode icon whose display mode is selectable by the setting. 	Yes	Yes
Improvement of Functions	Audio Mix Selection mode	• Add Mix (selection) mode to "Other Site's Audio" setting menu. In Mix (selection) mode, you can select up to four sites freely as audio mix sites during a conference call. And its Mix mode and sites selection can be saved in a profile.	Yes	Yes
	Main position selection in Voice Activation2	 Added choices of sites to main display in "Voice Activation 2". In the Voice Activation 2 of Main Position setting, you can select any site for main display position. You can change this site selection during a conference call. 	Yes	Yes
	Specified position mode for MCU composite image.	• Add specified position mode for MCU composite image. In this mode, you can see each sub site's image in the specified position of MCU composite image.	Yes	Yes
	GUI language	 Add Arabic to GUI Note: There may not be the right-justified representation in some setting pages. 	Yes	Yes
	Improvement of voice activation1 and voice activation 2	Adjust screen switch sensitivity during voice activation mode.	Yes	Yes
	NAT setting for Symmetric NAT in GUI	• Add GUI menu of "Conversion IP and Port Num" function for mobile connection via symmetric NAT router.	Yes	Yes
Others	Other improvement	 Improve resolution of sending video in the situation of network bandwidth fluctuation such as mobile network. Improve the event of failure that rarely occurs in communication with mobile terminal via NAT router. Support "output local site sound" during Multicast. Support "Forced Answer" mode during Multicast. Improve behavior in situations that multiple processes, such as content share 	Yes	Yes

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	 and incoming call and so on, occur at the same time. Improve behavior of content sharing start process with HDMI audio input setting to "Sub Camera + PC" Improve video input changing behavior in situations that staring dual stream just after single stream terminal leaves the meeting. Improve layout changing behavior in situations that several sub sites start single stream at the same time. Improve video format recognition accuracy of HDMI main camera and PC-VGA input. Improve video signal detection accuracy of HDMI main camera input via HDMI splitter. Improve event that HDMI 2 and HDMI 3 rarely cannot display video in the case of IP address is not acquired. Improve event that HE30 camera with serial camera control connection rarely display blueback image after restarting HE50 camera. Improve the event of failure that rarely occurs in transitions to service stop state. Improve behavior of status LED in situations that happens auto answer to incoming call during standby mode. Support external I/F of uploading encryption data. Improve the call history of IPv6 connection. Improve the event of failure that rarely occurs when receiving more than the number of licenses incoming calls. Improve the event of failure that rarely occurs when receiving more than the number of licenses incoming calls. Improve the behavior of displaying encryption icon for SIP when SIP is disabled during "IP/NAT Traversal mode" Improve the behavior of changing Main Poosition setting during communication. Strengthen input error check for IPv6 address. Support ICMP redirect. 	K	
Enhanced connectivity with other companies	 Improve behavior as a sub site during connection with SONY XG series and H.263+ terminal and receiving dual stream from main site. Improve behavior of PC sharing in case that Polycom ViewStation joins during dual 	Yes	Yes

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 streaming from sub site. Improve behavior in case that some parties leave from the conference during SIP connection with Cisco C60(TC7.1.4) Improve the event of black image at LifeSize Express in the situations that main site starts PC sharing during the conference whose connection order is HUAWEI_TE30, Cisco_SX20 and Lifesize_Express. Improve the event of disconnection just after connection that rarely occurs in the situations that MCU of Polycom HDX serie start multi-site conference. Support dual streaming in the conference joined via IVR of MCU-AVAYA Elite series. Improve the event of disconnection just after content sharing in the situations that MCU-AVAYA Elite series. Improve the event of disconnection just after content sharing in the situations that MCU-AVAYA Elite becomes to be high-load state with over 100 terminals conference. Improve connectivity with Polycom MGC100 for the case that maximum bandwidth setting exceeds MCU meeting's one. Improve the event of PC's black image at SONY G series that rarely occurs in the multipoint conference with SONY G series. Improve the event of disconnection just after connection in the case that Polycom VSX series joins at over 768kbps during dual streaming at multipoint conference. Improve behavior of XGA PC sharing with SONY G series by changing capability exchange process. Improve the event of displaying inappropriate aspect ratio image in the connection with Polycom VSX series under 768kbps bandwidth. Improve the event of black image at Cisco 880MXP in the situations that POlycom terminal starts content sharing during connection with Polycom starts PC content sharing during 	
setting for H.239 is H.263.Improve the event of black image at Cisco 880MXP in the situations that HDVC	

Yes: Supported,	Conditionally.	Available by	Activation	No	Unsupported	(unavailabla)
ies. Supported,	Conditionally	Available by	Activation,	INO	Unsupported	(unavailable)

Item	Function	Remarks	-	Model
			VC1600	VC1300
New Functions	Multicast	 Support for Multicast which is a one-way communication service that allows one HDVC to multicast video and audio to other HDVCs of up to 30units. The setting of Multicast tree, the start and stop of Multicast is enabled by GUI operation. 	Condit ionally	Condit ionally
	IPv6 address support	 IPv6 address is available for communication. IPv4 address and IPv6 address is used at same time. (IPv4 and IPv6 dual stack support) 	Yes	Yes
	Mobile connection	• By activate "Mobile Connection" enhancement to HDVC, the mobile devices can connect to the HDVC in IP mode without mobile activation.	Condit ionally	Condit ionally
Improvement of Functions	Add setting items to GUI	 Add setting for audio input from HDMI equipment. Add setting whether changes or not layout to Camera Settings menu. Add menu screen that can be registered to shortcut function. 	Yes	Yes
	Contact List	• Add "All" tab to contact list to show all contacts in a list.	Yes	Yes
	Content sending method	• Add function that can change content sending method in communication by selecting the dual stream or the single stream.	Yes	Yes
	Encryption setting	• The encryption setting of SIP is separated IP mode (SIP) and NAT Traversal mode and can be set individually.	Yes	Yes
	Max. Bandwidth for each LAN interface	• Add setting to set maximum bandwidth per a site for each LAN interface.	Yes	Yes
	PC resolution	 Add supported PC resolution. FWXGA1 (1360x768) FWXGA2 (1366x768) WXGA+ (1440x900) WXGA++ (1600x900) 	Yes	Yes
	CPn layout	Add CP9 setting to CPn layout.	Yes	Yes
	MIC mute at making a call	• Add setting to mute the MIC at making a call	Yes	Yes
	Store and restore of Encryption data	• Add function to store and restore the Encryption configuration data.	Yes	Yes
	Factory default change	 [Call set up]-[More than one incoming call] OFF -> ON [MCU Settings]-[The Main Position] [Profile Settings]-[The Main Position] Voice activation 1 -> Local Site [Encryption]-[Encryption(H.323)] 	Yes	Yes

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		[Call set up]-[Encryption(H.323)] Best effort -> OFF If the firmware is updated, the settings are maintained from the previous version.		
Forc func		• Add function that responds automatically an incoming call without displaying the incoming confirmation pop-up in other than the home screen.	Yes	Yes
scre		• Add function that displays the name of the contact list instead of IP address when a destination is selected from the contact list.	Yes	Yes
Web	console	 Add function to Web console as below. Edition of contact list Edition of Profile Setting of Multicast tree and start/stop of Multicast 	Yes	Yes
acqu timi	rovement of usition ng of WAN ddress	• WAN IP address acquisition timing is improved from start-up only to periodical check (default: 240sec) when Static NAT setting and automatic acquisition are enabled in IP Mode.	Yes	Yes
conn	nectivity h HDVC	• Improvement of connectivity with HDVC Mobile under Symmetric type NAT router.	Yes	Yes
	language model only)	 Add language to GUI Deutsch, Français, Italiano, Nederlands 	Yes	Yes
Othe impi	rovements	 Add function that turns off the MIC LED when becoming screen standby. Add function that displays the registered name of other site in the contact list in unit information screen during communication Add setting that resets the call duration when the call duration time exceeds 99 hours 59 minutes. In case of AAC-LD audio codec the sound interruption is prevented when the number of site changes from 2 to 3 or from 3 to 2. Add the setting to select the camera aspect ratio from full screen mode or center-cut mode when sending video using H.261/H.263. RCA input revel is maintained after version up. Improvement of 60fps rendering performance. Improvement of behavior in the case of incoming call when the main stream is switched during dual stream transmission. Improvement of behavior that PinP video becomes the other site' content if HDVC is switched to dual stream reception during dual stream transmission and PinP execution. Improvement of behavior that dual stream function might not be enabled after an 	Yes	Yes

endpoint that doesn't have the dual stream function leaves from the conference at NAT
Traversal environment.
• Improvement of behavior that "Sending
Content" remains displayed when dual
stream is started by H.239 and it is rejected
by the other endpoint.
• Improvement of behavior that the other site's name is not displayed after content
sharing by H.239 at the time of 2-party conference.
• Improvement of content sharing behavior
by single stream when the setting of "The
Main Position" is "Voice activation 2" and
the setting of "Other Sites's Audio" is
"Mute".
• Improvement of behavior that the displayed
video becomes strange when the operation
of content sharing stop at the Main site and
disconnection of the sub site occurred at the
same time.
• Improvement of behavior that the camera
image might be displayed momentarily
when the PC cable (HDMI cable or VGA
cable) is removed during content switching
in non-communication.
• Improvement of behavior that the incoming
confirmation pop-up is displayed when an
incoming call is received during session
change even if the "Answer Mode" is set to
"Auto".
• Improvement of behavior that the
conference is rarely disconnected at the
very bad network environment by
improvement of follow-up to the network
quality. (for example more than continuous
3 % packet loss)
• Improvement of behavior that the
transmission rate remains low at large
packet loss environment due to congestion.
• Improvement of behavior that the output
video of HDMI3 might be distorted when
"Output of HMDI3" is set to "Local site
video" and the main camera is not
connected.
• Improvement of behavior that the ringing
tone might not ring when "Answer Mode" is
set to "Auto".
• Improvement of behavior that the received
image remains distorted and is not
recovered and that occurs very rarely.
• Improvement of behavior that MIC red
LED is flashing dimly at a high speed in
non-communication.
• Improvement of behavior that
welcome-screen sound might not sound at
start-up and a call might not be made.
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	• Improvement of behavior that MIC is muted when "Default MIC Mute set" is set to "ON" and 3-party conference becomes 2-part conference.	
	• Improvement of behavior that DSN query does not work correctly when srv record search is enabled.	
	• Improvement of behavior that the input	
	character in number mode is different from the description of the user manual.	
	• Improvement of behavior that GUI does not	
	work correctly when more than 20 incorrect	
	routing configurations are set.	
	• Improvement of behavior that the input of sub camera might not displayed according	
	to PC output when the input is changed	
	from PC(VGA) to 1080p sub camera during	
	content sharing.	
	• Improvemented operation when DHCP	
	lease is expired during vides conference in	
	NAT Traversal Service.	
	• Improvement of GUI behavior that the content of call history ([B] button during	
	video conference) is not correct when	
	multi-party conference is made to incorrect	
	endpoints such as incompatible encryption	
	setting and correct endpoints.	
	• Improvement of behavior that GUI	
	language becomes Japanese when a new local site setting is generated by "Add New"	
	at "select local site" menu.	
	• Improvement of behavior that noise is	
	superimposed on the voice when HDVC is	
	connected to OKI Visual Nexus using G.711	
	A-low codec.	
	• Improvement of behavior that the system	
	error occurs on connecting to the H263_4CIF conference room of the old	
	version of OKI Visual Nexus. Since its	
	conference room is not supported by HDVC,	
	it is to be successfully disconnected.	
	• Improvement of behavior that dual stream	
	cannot be made after connection with SIP in the conference room of the old version of	
	CISCO Codian.	
	• Improvement of behavior that HDVC	
	recognizes that the H.263 stream from	
	Mediapoint IP2 is abnormal and	
	disconnects it.	
	• Improvement of behavior that the conference is disconnected when HDVC	
	receives invalid H.263 stream without a	
	marker bit.	
	• Improvement of behavior that the camera	
	control cannot be done by SONY XG series	
	when HDVC connects to it in H.323	
	onervotion	

		 	-
	 Improvement of behavior that the screen flickers only immediately after the start of content sharing by the main site at multi-party conference that SONY XG series participates in. Improvement of behavior that the screen flickers at the start of content sharing by HDX series during the multi-party conference that Polycom HDX series, SONY XG series and Lifesize Express are participate in. Improvement of behavior that the content is not displayed at SONY XG series when during content sharing it participates in multi-party conference that Polycom HDX series and HDX series participate in. Improvement of behavior that the content might not be displayed at CISCO C series and HDVC when during content sharing CISCO C series participates in multi-party conference that SONY XG series participates in. Improvement of behavior that content sharing by HDX series cannot be made during more than 9-party conference that Polycom VSX series and H263_QCIF non-compliant endpoints such as HUAWEI TE30 or Aver EVC900 		
	participate in.		l

Release information of Ver4.15

Yes: Supported, No: Unsupported (unavailable)

Item	Function	Remarks	Object I	Model
			VC1600	VC1300
Improvement of Functions	GUI language	German, French, Italian and Dutch are supported as GUI language. (only Global model) Ver4.20 will support for JP model and CH model.	Yes	Yes
	Routing Settings expansion for LAN2	The number of the routing settings of LAN2 is extended from 10 to 50.	Yes	No
	Receiving sensitivity improvement of the remote control	The receiving sensitivity is improved by changing receiving treatment of the remote control.	Yes	Yes
	HDMI Equipment connectivity improvement	The connect ability of the HDMI equipment is improved by changing the detection process, when a HDMI device generates non-standard signal.	Yes	Yes
	Screen at the start/stop of content sharing	The phenomenon that screen might flicker at the start or the end of displaying computer's screen and the sub video camera's images fixed.	Yes	Yes
	Connectibility improvement with VC300/600	Connectivity is enhanced in case connecting with KX-VC300/VC600 which are installed under NAT router and they are set up Static NAT.	Yes	Yes
	System Initialization	The internal process for initializing the system is changed.	Yes	Yes

3. Trademarks and Licenses

3.1. Trademarks

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