



The PCS-VCSH24 Visual Communication Server provides a cost-effective multi-point connection service with participants at up to 24 different sites. Its flexibility and expandability allow more efficient communication, and this server can be used to connect various video conferencing products that comply with the H.323 protocol*1.

Key Features

Superb HD (High Definition) Quality Video

The PCS-VCSH24 supports superb quality video at 1080i/60 frames per second (fps) in addition to 1080p/30 and 720p/30, and achieves natural, smooth video communication in the ITU-T H.264 compression format.

Continuous-presence Mode with Voice-activated Switching

Video conference participants can be displayed in up to 16 splits simultaneously. Thanks to a voice-activated switching feature in continuous-presence mode, the active speaker appears and is highlighted on the display.



8-split-screen



16-split-screen

Supports Mixed HD/SD Environments

Video conferences can be held in mixed HD and SD environments*2.

Web-based Management Tool

The web-based management tool allows individual users to easily and securely access the scheduling conference or make changes to their own information via a web browser.



Other Features

- Built-in H.323 gatekeeper
- H.235 advanced encryption
- QoS support - ARQ (Auto Repeat reQuest)
- ITU-T H.239 support - sends both the video and the presentation data displayed on the PC
- Shared phone book
- Enables firmware upgrades: PCS-XG80, PCS-XG55, PCS-XL55, PCS-XA80, PCS-XA55, and PCS-G60

*1 Some video conferencing products may not be compatible.

*2 Bandwidth requirements vary, depending on the resolution of the conference.

Specifications

PCS-VCSH24	
Communication protocol	H.323, H.239
Video codec format	H.261, H.263, H.264
Audio codec format	G.711, G.722, MPEG-4 AAC
Encryption	H.235 AES
Video resolution	1080i, 1080p (Full screen video switch only), 720p, W432p, WCIF, 4CIF, CIF, QCIF
Video aspect ratio	4:3 or 16:9
H.239 content sharing	Codec: H.263+, H.264 Resolution: XGA
Video mode	Full screen (Video switching mode) Split screen (CPn mode) max. 16 split screen display Highlight speaker and display terminal name
Video switching mode	Voice switch, Time switch, Manual switch (Chairman, Selected user)
Audio mixing	Audio mix of 5 loudest speakers as default AGC (Automatic Gain Control)
Meeting type	Normal meeting All users have equal authority of speaker start/stop, etc. Chairman control meeting Chairman has authority of speaker start/stop, changing display layout, etc.
Access method to meeting	Calling out from endpoint (H.323 alias, E.164 number) Calling out endpoint from MCU Leaving by user operation Leaving by administrator's or chairman's operation
Access control	Setting access control for each meetings Limit by H.323 alias, E.164 number, IP address Setting for maximum connected users
Bandwidth limitation	Max. bandwidth for each meeting and each user, Max. total bandwidth setting Max. bandwidth control method Static: New endpoint cannot enter when it reaches max. bandwidth Dynamic: New endpoint can enter when it reaches max. bandwidth bandwidth is separate equally by all endpoints
Meeting scheduling	Always activate Scheduled (one time, everyday, every week, every month) Calling out from MCU at reserved starting time
Number of connected site	Max. 24 endpoints
Administrative operation	VOnline web-based central management
Languages	Japanese, English, Simplified Chinese
Meeting reservation system	Web-based meeting reservation function
Shared phone book	Embedded shared phone book server of SONY PCS series
Firmware update	Embedded firmware update function of SONY PCS-XG80/XG55/XL55/XA80/XA55/G60
Network	Ethernet (10/100/1000BASE-T)
Power requirement	AC100-240 V 50/60 Hz
Power consumption	500 W
Operating temperature	5°C to 40°C (41°F to 104°F)
Operating humidity	20 ~ 80 %
Storage temperature	-20°C to +60°C (-4°F to +140°F)
Storage humidity	20 ~ 80 %
Dimensions (W x H x D)	430 x 88 x 563 mm (17 x 3 1/2 x 22 1/4 inches)
Mass	17 kg (37 lb 7.7 oz)
Supplied accessories	Installation manual (1), Bracket (2)



Front



Rear

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