PCS-VCS

Video Conferencing Server Software

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Overview

Manage your VC conferencing needs across a large number of distributed sites. Enjoy smooth, seamless multi-point conferences with high-quality voice, HD or SD video with simultaneous PC data sharing.

PCS-VCS Server Software helps organisations communicate more effectively, linking dedicated videoconferencing systems at as many as 500 remote sites (depending on license).

It's ideal for use with the Sony PCS-XG80, PCS-XG55, PCS-XL55, PCS-XA80 and PCS-XA55 videoconferencing systems. Remote workers can join virtual meetings from anywhere there's a broadband IP connection available, requiring only PCS-EP endpoint software on their PC.

Easy expansion requires just a simple license purchase to cover up to 500 sites.

For more details, please contact your nearest Sony office or an authorised dealer.

Software requires installation on a server (not included).

SONY

Features

Seamless multi-point conferencing across your organisation

This server software provides a visual communication environment to support the video conferencing needs of any sized organisation.

Smooth, natural video and data presentations

Send video, voice and presentation data displayed on your PC to other videoconferencing participants. With support for industry standards (ITU-T H.239), presentation data can be sent at frame rates as high as 30fps for smooth, natural looking presentations – even when you're using animation effects or showing videos on your PC.

Support for HD and SD conferences

Videoconferences can be held with any mix of HD and/or Standard Definition conferencing end-points. NB: actual resolution depends on available bandwidth.

Stable, consistent conferencing

Enjoy stable transmission of video, voice and data with Enhanced Intelligent QoS™ (Quality of Service) Functions that ensure fast, consistent data throughput that adapts transmission to take account of changing network conditions.

Multiple screen layout options

Accommodate multi-point conferences with a choice of display modes including full screen, 4-, 6-, 8-, 10-, 13- or 16-way split screen.

Continuous Presence mode with Voice Activation Switching

See who's talking: Voice Activated Switching automatically displays the active speaker on the largest sub screen alongside other participants, or can display the current speaker in full-screen mode.

Highly secure

Keep your business private, just the way it should be. Support for 128-bit AES encryption ensures safe, highly secure voice/video/data conferences with other compliant systems.

Wide compatibility

Server software is recommended for use with Sony videoconferencing systems including PCS-XG80, PCS-XG55, PCS-XA80, PCS-XA77, PCS-XL55 .

Support for PC endpoints

Provides support for connection by remote users using Sony PCS-EP endpoint software (available separately). Teleworkers can join virtual meetings from any off-site location where a broadband IP network is available.

Easy expansion

An optional license expands the power of your videoconferencing network to link as many as 500 remote sites.

One-touch Dialling

Enjoy the speed and convenience of one-touch dialling with the newly designed RF Remote Commander unit that does not have to be pointed directly towards the system. Just browse and select from the thumbnail image any of up to 1000 stored contacts: up to four regularly-accessed contacts can be shown on the home screen.

Specifications

PCS-VCS Series	
Communication protocol	H.323 (ITU-T)
Video codec format	H.261, H.263, H.264

Audio codec format	G.711, G.722
Video resolution - HD	1080i (full screen Video Switch only), 720p, W432p, WCIF, 4CIF, CIF, QCIF
Video resolution - SD	4CIF, CIF, QCIF
Video aspect ratio - HD	4:3 or 16:9
Video aspect ratio - SD	4:3
H.239 content sharing	Codec: H.263, H.264*1 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)
	Normal meeting All users have equal authority of speaker start/stop, etc.

Meeting type	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.332 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	Single screen: Max. 500 endpoints HD CP4 conference: Max. 250 (768kbps) Max.200 (1.5Mbps) SD CP4 conference: Max. 400 (384kbps) * CPU: Intel X5680 (3.33 GHz) x 2CPU, Memory: 12Gbyte
Administrative operation	VCOnline web-based central management
Languages	Japanese, English
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
*1	Available with upgrade

Gallery