

PCS-1P OUTLINE

The PCS-1P is the most natural, effective way to help you videoconference and communicate more effectively – whatever your business is. Providing high quality videoconferencing, multic conferencing and data sharing capabilities, the PCS-1P can be used in meeting rooms of any size, from medium-sized meeting rooms right up to boardrooms.

Setting new standards in multimedia videoconferencing, the stylish PCS-1P combines advanced features with user-friendly operation and offers everything you need to bring the benefits of high-quality video, audio and data conferencing to your organisation. Supporting latest coding standards for smoother, more natural video images, the PCS-1P delivers high-quality pictures and crystal-clear audio in point-to-point or multipoint calls. It's also designed as a smarter, more secure conferencing solution, allowing you to set up calls across any mix of IP, ISDN, DSL and (mobile) telephone connections.

FEATURES

Video The PCS-1P delivers high-quality live video at bandwidths up to 2 Mb/s over IP networks and maximum 768 Kb/s over ISDN using H.264 video coding.

Audio The PCS-1P provides exceptionally clear, natural-sounding audio processing using the MPEG-4 AAC (Advanced Audio Coding) wideband audio standard.

Data-Sharing Capabilities/Mimio Xi Electronic Whiteboard Support With the optional PCSA-DSB1S Data Solution Box, two PC's or notebooks can be connected simultaneously to send graphics and documents for sharing with other conference participants. Further improving the natural interactivity of a face-to-face meeting, an optional Mimio Xi™ connected to the PCS-1P turns your existing whiteboard into a digital one, allowing handwritten notes, drawings and diagrams to be displayed to the other locations in real time.

Participation in Multi-point Videoconferencing The PCS-1P can bring together up to 6 sites into one conference. Bandwidths as high as 384 Kbps per site can be achieved in a 6-site multipoint conference. Multipoint conferences can be setup between any mix of audio and video conference systems, connection over IP, ISDN or telephone networks. Software options for MCU functionality need to be installed (ref. PCS-323M1 and PCS-320M1).

Flexible and Future-Proof Expandable with a range of microphones, speakers, cameras and monitors, the PCS-1P allows you to adapt the look, feel and sound of your conferences both today and tomorrow.

Memory Stick Support Memory Stick support allows users to store their contact information, still image data received from videoconferencing counterparts and images from conferences on a Memory Stick. You can simply insert the Memory Stick and the unit automatically recognises and activates the user's private phonebook, eliminating the need to re-enter contact information. Memory Stick support is also of real benefit to network administrators, allowing them to store, for example, factory settings, firmware updates or other network settings and configurations on a Memory Stick and use that to update or reconfigure units quickly and easily.



QoS (Quality of Service) Powerful advanced functions enhance Quality of Service, assuring consistent and optimal audio and video performance, even under changing network conditions.

Security The PCS-1P supports both ITU-T standards-based encryption and Sony proprietary encryption that provides additional security with encrypted key exchange, to safeguard audio, video and data against unauthorised interception, ensuring that confidential information remains secure throughout the conference.

Ease Of Use The PCS-1P makes it easy to set up a videoconference thanks to a highly intuitive interface and a remote commander that allows quick and simple on-screen navigation.

FEATURES

- Excellent video and audio quality
- Powerful multipoint functionality
- Standards-based data sharing and electronic whiteboard support
- Scalable and flexible design
- Future-proof
- Easy to use

PCS-1P Multimedia Videoconferencing System

www.sonybiz.net/vc



PCS-1P SPECIFICATIONS

VIDEO

Signal system	PAL
Standards	H.261, H.263, H.263+, H.263++, H.264, MPEG-4 SP@L3
Resolution	QCIF, CIF
Frame rate	Max. 30 frames/s
Bit rate	Up to 768 kb/s in H.320 (Incl. audio) Up to 2 Mb/s in H.323 (Incl. audio)

AUDIO

Bandwidth and coding	G.711: 3.4 kHz at 56/64 kb/s
	G.722: 7.0 kHz at 48/56/64 kb/s
	G.722.1: 7.0 kHz at 24 kb/s (H.323)
	G.728: 3.4 kHz at 16 kb/s
	G.723.1: 3.4 kHz at 5.3/6.3 kb/s (H.323) G.729: 3.4 kHz at 8 kb/s (H.323) MPEG-4 AAC mono 14 kHz at 48 kb/s
Echo cancellation	Reduction rate: 30 dB
	Echo path length:
	340 ms (4 kHz and below)
	110 ms (4 to 8 kHz)
	56 ms (8 kHz and above)
Noise suppressor included	Automatic gain control included

GRAPHICS

XGA	1024 pixels x 768 lines (H.263)
4CIF	704 pixels x 576 lines (H.261 Annex D and H.263 Base)

PICTURE IN PICTURE

Sub screen size	1/9 (One of four corners)
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ITU-T STANDARDS

H.320, H.323, H.221, H.235 V3, H.234, H.233, Bonding, H.239, H.281 FECC, H.234, H.233, H.225.0, H.245, T.120

NETWORK PROTOCOLS

TELNET (Server), HTTP (Server), FTP (Server), SNMP (Agent), PING, DNS (Client), DHCP (Client), RTP, RTSP, TCP, ARP
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MULTIPOINT CAPABILITIES

Up to 6 sites (H.323)
Up to 10 sites (H.323 / H.320)*
Up to 6 sites (H.320)
* Two PCS-1P units with PCS-323M1 installed must be used.

LIP SYNCHRONISATION

Manual On/Off

CAMERA UNIT

Image sensor	1/4 type CCD
Horizontal resolution	460 TV lines
Focal length	3.1 to 31 mm (F = 1.8 to 2.9)
Focus	Auto/Manual
IRIS	Auto
Horizontal view angle	6.6 to 65 degrees
Zoom ratio	x10 (Optical zoom), x40 (Digital zoom)
Pan angle	-100 to +100 degrees (Max. 300 degrees/s)
Tilt angle	-25 to +25 degrees (Max. 125 degrees/s)
Preset	Up to 6 positions
S/N	More than 50 dB
Others	Back light shooting

REMOTE COMMANDER

Format: Wireless SIRCS

PCS-1P INTERFACES

Video	S-video input x 1 Composite input x 1 S-video output x 2 Composite output x 1 RGB output x 1 IR for PCS-DS150P x 1
Audio	Line input (RCA) x 1 External microphone input (Plug in power) x 2 Line output (RCA) x 2 Internal microphone x 1
Graphics	RGB (XGA) output x 1
Network	10Base-T/100Base-TX x 1
Digital whiteboard	Dedicated connector x 1
Memory Stick	Memory Stick slot x 1
Control	RS-232C/VISCA (Mini-DIN 8-pin) for second camera x 1 SIRCS IR output for TV monitor x 2 IR for Remote Commander x 1

PCS-DSB1 INTERFACES

Audio I/F	Microphone input (Mini jack) x 5 Line output (Mini jack) to active speaker x 1 AUX input (RCA) x 1 AUX output (RCA) x 1
Graphics	RGB (XGA, SVGA, VGA) input x 2 RGB (XGA) output x 1

PCS-B768 INTERFACES

ISDN: BRI (Basic Rate Interface) x 6

GENERAL

Operating temperature	5 °C to 35 °C
Operating humidity	30% to 70%
Storage temperature	-20 °C to +55 °C
Storage humidity	25% to 75%
Power requirement	AC 220 V to 240 V, 50/60 Hz
Power consumption	DC 19.5 V, 3.5 A
Communication	1.3 kg (2 lb 14 oz)
Terminal Mass	
Camera Unit Mass	1.1 kg (2 lb 7 oz)

SYSTEM COMPONENTS

Communication Terminal x 1, Camera Unit x 1, Remote Commander x 1, Camera Cable (0.25 m) x 1, AC Adaptor x 1
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SUPPLIED ACCESSORIES

IR Repeater x 2, Manganese Battery for Remote Commander x 2, Velcro for Communication Terminal x 2, Double-faced Tape for Camera Unit x 3, Audio Cable (1.0 m) x 1, S-Video Cable (1.5 m) x 1, Operation Manual x 1 (Japanese, English, French, Spanish, Portuguese, Italian, German, Simplified Chinese), Warranty Card x 1
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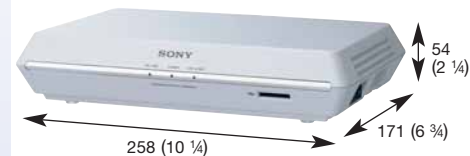
OPTIONAL ACCESSORIES

PCSA-B348S	ISDN interface for 3 lines
PCSA-B768S	ISDN interface for 6 lines
PCSA-DSB1S	Data solution box
PCS-A1	Microphone
PCSA-A3	Microphone
EVI-D100P	Communication Colour Video Camera
PCS-STP1	Camera Stand
PCS-323M1	H.323 MCU Software
PCS-320M1	H.320 MCU Software
PCSA-SC1	Software upgrade for CISCO skinny protocol
PCSA-SP1	Software upgrade for SIP software

Dimensions

Unit: mm (inches)

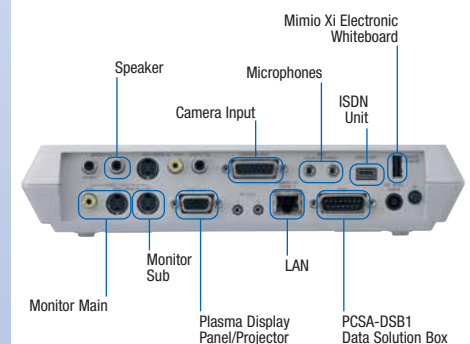
Communication Terminal



Camera Unit



Rear Panel



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