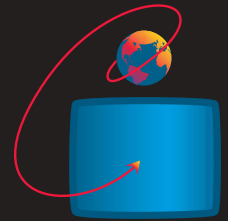


PCS-1600

SONY

Set-Top Videoconferencing System



CONFERENCE PRODUCTS

www.sony.com/videoconferencing

Value Added Flexibility:

Whether your needs include multipoint videoconferencing, ISDN and/or IP conferencing or a roll about system, the PCS-1600 is easily one of the most versatile set-top systems available. In addition to being able to control two cameras, it can be upgraded to support extra bandwidth — and it all fits into one chassis for simple integration.

Detachable Camera:

Unique in the industry, the detachable camera gives you the option to use the system in either a set-top configuration or a built-in room system configuration. The on-board motion tracking function can be used in classroom or presentation situations to visually follow a subject without the need for extraneous wiring or cables. Six far-end and near-end presets are available.

Dual Network Capability:

The PCS-1600 comes standard with a 10/100 BaseT port as well as one ISDN port. This allows users the flexibility to choose between IP/LAN/WAN networks and ISDN. The built-in Imux allows for bonding capabilities without cumbersome external equipment.



Built-In Microphone:

No external mics required. Minimal cabling. The system can also accept up to 2 additional external mics for large room environments or a room audio system through the line input.

Memory Stick® Support:

Sony's Memory Stick media can be used to store all types of data, including software updates, dial lists, system setup preferences and so on. But the applications don't end there. JPEG images from digital cameras, PC's or PDA's can be incorporated into your conference quickly and easily. Or, save digital images or Office files taken during the conference on Memory Stick media, then move, store or incorporate into a document on your PC.

External Control Port:

The PCS-1600 can be controlled via RS-232, allowing for integration of third party external control systems such as AMX™ and Crestron™. Web, LAN or infrared remote control are also available for optimum conferencing control and room integration.

Communication and Collaboration!

While Sony's PCS-1600 offers superb video and audio quality over a variety of networks, it also delivers the feature needed most in today's meeting environments — true collaborative capabilities. The PCS-1600 allows users to interactively combine video, audio, presentations, documents and file sharing with distant locations using a variety of options including Memory Stick media, wireless document stands, DVD or VHS input, and Microsoft NetMeeting® software. Its friendly, intuitive menus make control of the system as simple as the push of a button. *Communication and collaboration have never been easier!*

PCS-1600 Features

A Better Way to Share Images, Presentations and Data: Inject multimedia life into your meetings. Save ideas, presentations, diagrams and pictures on the innovative Sony Memory Stick media and incorporate them into your videoconference. You can also save pictures, documents and diagrams from the meeting itself, and then edit them on a PC. Microsoft Power Point® presentations can be incorporated via the Memory Stick port and controlled using the remote control unit. The SlideShow function of the system thumbnails each slide and allows for scrolling through the presentation. For applications

requiring data collaboration and file sharing capabilities, T.120 is available over LAN/WAN environments using Microsoft NetMeeting® software.

Natural Meeting Experience: A simple Remote Commander® control and user-friendly graphic icons make menu navigation a snap. And special features like a phone book with picture index capability, dual monitor support and a call history log help keep track of your communications.

Enhancement Options: Relying on Sony's expertise in the A/V world, the PCS-1600 is capable of adding a variety of Sony peripherals to enhance your meeting experience. Products such as Wega® monitors, document stands, Cyber-Shot®

cameras, digital camcorders, digital printers, VCRs, CLIE™ PDAs and DVD players can be added to your system. The PCS-1600 system is also flexible enough to grow with you as your needs change. Multipoint, BRI and V.35 options are available.

Multipoint Capability: With the optional built-in multipoint, you can bring together four different places in one convenient videoconference. In an instant, you can be sharing knowledge, making decisions and getting results. Any time of the day or night. And each site can join or leave your conference independently. For added flexibility, one of the sites can be used for audio only participation.

Configurations Available:

PCS-1600IP



PCS-1600/BL: PCS-1600IP with PCS-I160 Board



PCS-1600ME2: PCS-1600IP with PCS-I160 Board and PCS-UC160 Multipoint Software



PCS-1600IP with optional V.35 Board



Optional Accessories: PCS-DS150 This option lets you input graphics, 3D objects, and computer documents into the videoconference – all by wireless infrared signal, with a built-in scan converter.



PCS-I160 Dual BRI Board
 PCS-I161 V.35 Board
 PCS-UC160 H.320 Multipoint Software
 PCS-UC161 H.323 Software
 PCS-A300 External Microphone
 PCS-K32A V.35 Cable

PCS-1600 Videoconferencing System Specifications:

1. VIDEO

Standards Supported	ITU-T H.320, H.323
Operating Bandwidth	ISDN BRI (included): 56/64 Kbps ~ 128 Kbps H.323/LAN (included): 56/64 Kbps ~ 1024 Kbps Optional 3 BRI (PCS-I160): 56/64 Kbps ~ 384 Kbps Optional V.35 (PCS-I161): 56/64 Kbps ~ 384 Kbps
Multipoint Option	Up to 4 sites (H.320) (PCS-I160 + PCS-UC160) 56/64 Kbps ~ 128 Kbps each site, up to 4
Coding	H.261, H.263, H.263+
Picture Elements	CIF: 352 pixels x 288 lines QCIF: 176 pixels x 144 lines
Frame Rate	30 frames/sec (6B @ 384kbps) 15 frames/sec (2B @ 128kbps)
Video Inputs	Camera x 1 (main camera) Object x 1 (I.R. for PCS-DS150 Wireless Document Camera)
Video Outputs	Aux 1 x 1 (S-video) Aux 2 x 1 (composite) Monitor out x 2 (S-video/composite) 2nd Monitor out x 1 (S-video)

2. AUDIO

Bandwidth & Coding (ITU-T Standard)	G.711: 3.4 kHz at 56/64 Kbps G.722: 7.0 kHz at 48/56/64 Kbps G.728: 3.4 kHz at 16 Kbps G.723.1: 3.4 kHz at 6.4 Kbps (H.323 PCS-UC161)
Echo Cancellation	Reduction rate: 20 dB Bandwidth: 7 kHz Noise suppressor included
Audio Inputs	Gun Microphone x 1 (included) External Microphone x 2 (optional PCS-A300) Line In x 1 (RCA connector)
Audio Outputs	Line out x 1 (RCA connector for monitor speaker) Line out mixed x 1 (RCA connector for VCR)

3. CAMERA

Camera	1/3" CCD
Picture Elements	NTSC: 768 x 494 lines PAL: 752 x 582 lines
Resolution	More than 460 TV lines
S/N Ratio	45 dB
Presets	up to 6 positions (pan/tilt/zoom)
Focal Length	5.4 ~ 64.8 mm, F = 1.8 ~ 2.7
Zoom	12X
Pan	+/- 100°
Tilt	+/- 25°
Far End Control	H.281 (zoom, focus, pan, tilt)
Interface	15 Pin D-sub
Control	VISCA
Functions	Zoom, focus, pan, tilt, auto tracking, auto zoom, back light control

4. GRAPHICS

Resolution	NTSC: 704 pixels x 480 lines PAL: 704 pixels x 576 lines
Compression	H.261 Annex D (4CIF) H.263+ Annex J (4CIF)

5. TRANSMISSION

Multiplexing	Video, Audio, Data
Frame Format	H.221 and Bonding (ISDN) H.225 LAN (with PCS-UC161)
Interface Options	LAN x 1 (standard: 10/100 BaseT auto switching) ISDN BRI x 1 (standard) ISDN BRI x 3 (PCS-I160) V.35 x 1 with RS-366 (PCS-I161)

*Available storage capacity may vary and a portion of the memory is used for data management functions.

6. PICTURE IN PICTURE

Sub Screen Size	1/9 (one of four corners) and off
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7. MULTIPOINT CAPABILITY

Functions	Maximum 4 sites via ISDN (PCS-I160 + PCS-UC160) Maximum 128 Kbps per site H.320 compliant Telephone audio conferencing support Connect/disconnect per site possible
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8. CONTROL PORT

Auxiliary Control	via RS-232C port
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9. DATA CONFERENCING

T.120 Compliant	Maximum 62.4 Kbps via LAN port
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10. DIMENSIONS AND WEIGHT

PCS-1600	258 x 134 x 208 mm (W x H x D) 2.5 kg
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11. GENERAL

Power Supply	DC 12V, External
Power Consumption	2.5A

12. SUPPLIED ACCESSORIES

1 x CCD Color Video Camera (PCS-C160)
1 x Remote Commander unit* (PCS-R160)
1 x PCS-UC161 (H.323 software)
1 x AC Power Cord
1 x S-Video Cable
2 x IR Repeater
1 x ISDN Cable
1 x Audio Cable
1 x 16Mb* Memory Stick media
2 x Alkaline Manganese Battery
1 x Operations Manual

13. OPTIONAL ACCESSORIES

PCS-I160	BRI Board (dual)
PCS-I161	V.35 Board (single)
PCS-UC160	H.320 Multipoint Software
PCS-A300	Microphone
PCS-DS150	Wireless Document Camera
PCS-K32A	V.35 Cable

SONY

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