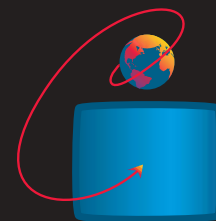


# PCS-6000IP

SONY

## Powerful Multimedia Videoconferencing System



CONFERENCE PRODUCTS

[www.sony.com/videoconference](http://www.sony.com/videoconference)

### Multi-Function Remote Commander® Unit:

Designed for simple one-button videoconferencing control — and it also operates any Sony TV or the Sony PCS-DS150 document camera.

### Memory Stick® Port:

The world of digital imaging, document sharing, external storage and retrieval is now more conveniently utilized through use of Sony's Memory Stick technology. 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 the Memory Stick media then move, store or incorporate into a document on your PC.

### TrakCam™ Camera:

Unique to Sony, auto tracking, pan/tilt/zoom, back light and six pre-sets are all standard functions. The PCS-6000IP supports near and far end camera control and for room integration, an optional second camera can be added and controlled.

### Multimedia Solutions:

The PCS-6000IP gives you a complete multimedia terminal for high-resolution graphics and TV-quality video. A unique built-in electronic white board function lets you freeze an image from any input source for annotation and drawing on the image — from both sides — during the conference.



### Multipoint Capability:

An industry first, up to 6 sites can be connected without an external MCU — and each site can join or leave your conference independently. For added flexibility, the system can also be used for up to 6 audio only participants — or any combination of audio and video to a total of 6 sites.

### Versatile Control:

The PCS-6000IP can be controlled via RS-232, Web, LAN, or infrared remote, for optimum conferencing flexibility and room integration. With the supplied desktop control unit, you can attach and control peripheral equipment such as additional microphones, USB keyboards and mouse and Memory Stick reader.

### Embedded Processor:

With an embedded CPU operating on a Windows 2000™ platform, the PCS-6000IP, allows you to share Power Point®, Excel, Word or JPEG files without connecting to an external PC. Microsoft NetMeeting® software via T.120 is also supported.

## Bring People Together Anytime, Anywhere — Share Images and Data with TV-Quality Video!

Today's business environment is geared toward rapidly finding and assessing information, and working in teams to solve problems. And videoconferencing can help to achieve these goals. Sony's PCS-6000IP, with its new flexible architecture provides you exceptional performance in a high end and easy-to-use videoconference system. You can implement it in any environment — from classroom to boardroom, on a local network or around the world. It's IP-ready and can be used with ISDN, PRI, T1 or almost any type of network. Video is TV quality. Audio is clear. Control is effortless. *The PCS-6000IP videoconference system is the perfect solution for enhanced communication in today's business environment.*

# PCS-6000IP Features

**Natural Meeting Experience:** Video at up to 30 frames per second can enhance videoconference meetings, making them more like face-to-face meetings. For executive decision-making, collaborative workgroups, training sessions, sales and marketing presentations, new product development and more, Sony has all the collaborative tools for sharing high-quality video, audio, graphics and other rich media.

**Explore Easy to Use Multimedia Solutions:** You can share information from CDs or the unit's hard disk drive — and Memory Stick media allows you to transfer and share digital files quickly and easily, anywhere and anytime. Because Memory Stick connects digital products, networks and people, it's the media best suited for videoconferencing

in the digital network arena and offers a new degree of application flexibility.

**View and Collaborate on Presentations:** Presentations using Microsoft PowerPoint® are easier than ever to share. By copying the file to a Memory Stick for use with the PCS-6000IP built-in PowerPoint viewer, you can control the presentation without elaborate configurations or operation via an external PC. You can also share Excel and Word files using the embedded Office Viewer.

**Take Advantage of Flexible Networking Interfaces:** By utilizing a hardware chassis equipped with a 10/100 Base T connection and 4 upgrade slots, the PCS-6000IP can provide investment protection through a choice of network interfaces — PRI, BRI, V.35 or RS-499. Allowing speeds up to 2 Meg on IP and 1.5 Meg on ISDN, integration into existing infrastructures is quick and easy — and regardless

of connection, the PCS-6000IP can be controlled via your LAN for additional system flexibility.

**Dual Monitor Support:** Standard on the PCS-6000IP is the ability to view received still images (such as presentation slides or document camera images) on one monitor and the remote side presenter on the second monitor. As well, an XGA output allows you to experience sharp quality images on a computer display device.

**Elegant Design:** The same, easy-to-use GUI found on the Sony PCS-1600 set-top videoconference system is incorporated into the PCS-6000IP. Combined with the primary three action keys on the remote control, this intuitive user interface makes menu navigation a breeze for even novice users. And when both systems are deployed in an enterprise, no one has to learn a second operating menu.

## Configurations Available:

### PCS-6000IP Stand Alone



### PCS-6000IP with PCS-1600



### PCS-6000IP with PCS-1601



### PCS-6000IP with PCS-1602



### PCS-6000IP with PCS-1603



## PCS-6000IP Videoconferencing System Specifications:

### 1. VIDEO

Video Signal System	NTSC – PCS-6000IP PAL – PCS-6000P
Standards Supported	ITU-T H.320, H.323
ISDN Options:	Up to 1.536 kbps (3 x PCS-1600 or PCS-1601)
H.323/LAN	64 – 1920 kbps (PCS-UC601)
Built-in Multipoint Coding	Up to 6 sites (H.320) 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 D-sub, 25 pin) Aux 1 x 1 (S-video) Aux 2 x 1 (composite)
Video Outputs	Monitor out x 2 (S-video) Aux 1 x 1 (composite) RGB 1 x 1 (15-pin Dsub)

### 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: 3.4 kHz at 5.3/6.3 Kbps (PCS-UC601)
Echo Cancellation	Reduction rate: 20 dB Bandwidth: 7 kHz Noise suppressor included
Audio Inputs	Table Microphone (PCS-A300 included) External Microphone x 3 (optional PCS-A300 for use with PCS-TM600 Desktop Terminal)
Audio Outputs	Line In x 1 (RCA connector) Aux x 1 (RCA connector) Monitor R x 1 (RCA jack) Monitor L x 1 (RCA jack) Aux 1 x 1 (mini jack)

### 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-UC601)
Interface Options:	LAN x 1 (standard; 10/100 BaseT auto switching) ISDN BRI x 4 (3 x PCS-1600) ISDN PRI x 1 (PCS-1601) V.35 x 2 (PCS-1602) RS-449 x 1 (PCS-1603)

\*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 6 sites via ISDN (PCS-1600 or PCS-1601) or IP 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. DESKTOP TERMINAL (PCS-TM600)

Mic Input	Table Microphone x 3 (optional PCS-A300)
USB Input	USB 1.1 Type A x 3 (optional)
Memory Stick Port	Memory Stick input x 1

### 10. DIMENSIONS AND WEIGHT

PCS-6000IP	430 x 142 x 403 mm (W x H x D) 12.0 kg
Camera	142 x 108 x 159 mm 1.2 kg

### 11. GENERAL

Power Requirement	AC120V, 50/60Hz
Power Consumption	AC120V, 0.8A

### 12. SUPPLIED ACCESSORIES

1 x CCD Color Video Camera (NTSC)	
1 x Desktop Terminal (PCS-TM600)	
1 x Microphone (PCS-A300)	
1 x Remote Commander® (PCS-R160)	
1 x PCS-UC601 (H.323 software)	
1 x PCS-UC600 (MCU software operational only with BRI/PRI board option)	
1 x 16Mb* Memory Stick media	
1 x Camera Connection Cable	
1 x Desktop Terminal Cable	
1 x Power Cord (2.5 m)	
2 x Alkaline Manganese Battery	
1 x Operations Manual	

### 13. OPTIONAL ACCESSORIES

PCS-A300	Microphone
PCS-E600	Extension Hub
PCS-1600	BRI Board (quad)
PCS-1601	PRI Board
PCS-1602	V.35 Board (single)
PCS-1603	RS-449 Board
PCS-DS150	Wireless Document Camera
PCS-K32	V.35 Cable
PCS-K40	RS-449 Cable

## SONY

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All monitor pictures simulated.

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