Sony PCS-XL55 HD Visual Communication System

The clear path to HD videoconferencing.

Sony PCS-A1
Omnidirectional Microphone

PCSA-A3
Unidirectional Microphone

PCSA-B768S
ISDN I/F Box 768Kbps

PCSA-B384S
ISDN I/F Box 384Kbps

Optional Accessories

Dimensions

22 (557.1) 4 5/8 (117)

Unit: inches (mm)

14 5/8 (370)

16 1/4 (410)

18 (456.5) 8 1/2 (214.2)

Sony Electronics Inc.
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Park Ridge, NJ 07656

ME-4031

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Bringing professionals together in HD clarity.

When communicating clearly with employees, clients, or colleagues is vital to your business, you need a videoconferencing system that lets you see, hear, speak, and be heard with the utmost clarity, whether on or off site. That’s why so many professionals rely on Sony’s PCS-XL55 HD Visual Communication System—an all-in-one desktop design with powerful lifelike stereo sound and stunning 720p high-definition images. This is videoconferencing with HD audio and video so real to life it almost feels like you’re actually there. High-definition images provide approximately four times more details than standard-definition images, delivering greater clarity to the visual communication experience, whether in the conference room, the classroom, or the operating room.

Videoconferencing is a cost-effective use of resources, saving the expense of travel and time away from your office. The Sony PCS-XL55 system allows you to attend off-site meetings in real-time, no matter where your business or facility is located. Whether used for consulting, distance learning, meetings or training sessions, the Sony HD Visual Communication System brings a whole new level of clarity to videoconferencing for education, medical, government or corporate applications.

Key Features

Stunning 720p High-definition (HD) images. The PCS-XL55 adopts the H.264 video codec, which enables efficient transmission of high-quality images at up to 64 frames per second (fps) in a high-definition resolution of 1280 x 720 pixels. Stunning HD video enhances your videoconferencing with more lifelike images for effective communication.

Lifelike Stereo Sound.
The PCS-XL55 ensures a natural and clear sound with an advanced echo canceller.

ITU-T H.239 Support—Presentation Data Transferred at 30 fps.*
With support for the ITU-T H.239 (video and presentation data) standard, the PCS-XL55 can send both the video and presentation data displayed on your PC to videoconferencing counterparts for more effective communication. Presentation data can be transferred at frame rates as high as 30 fps,* providing natural and smooth presentations even when using animation effects or showing videos from your PC. This presentation data can also be shown from either a projector or sub display, using the RGB output. (see Figure 1)

Transportable All-in-One Design.
The PCS-XL55 is an all-in-one visual communication system that combines a built-in high-quality camera, 16:9 widescreen 22 inch (measured diagonally) WXGA LCD, speakers, and a microphone in one compact and sleek body that can even double as a PC display. The unit incorporates a privacy shutter that can be closed if you prefer not to be seen when a call comes through. The PCS-XL55 also has a relatively wide 80.1 degree horizontal viewing angle, making it ideal not only for use on individual desktops, but also in small meeting spaces with a number of participants. In addition, the PCS-XL55 is easy to transport because it is equipped with a handle and is relatively light in weight. (see Figure 2)

Kiosk Mode.
The PCS-XL55 has a convenient Kiosk mode that can be used to provide unattended services for applications such as remote consulting or customized distance learning. This mode not only provides a user-friendly interface for customers, but is also both easy to configure and flexible. For example, up to four locations can be preset, and customized thumbnail images can be designed. (see Figure 3)

Video Annotation Function.** For effective communication, the PCS-XL55 offers a useful video annotation function. Conference participants can clearly point out specific parts of shared data, including live images and presentation data, by simply writing on a tablet. This function can help you to minimize time and effort in your communications, enabling you to deliver a clear, strong message. (see Figure 4)

Enhanced Intelligent GoS™ Functions for Stable and Secure Videoconferencing.
To handle the transmission of large amounts of HD video data, while maintaining high-quality and stable communication over an IP network, the PCS-XL55 incorporates the following advanced Quality of Service (QoS) functions:

- **Adaptive FEC (Forward Error Correction)
- **Real-time ARQ** (Automatic Repeat reQuest)
- **ARC** (Adaptive Rate Control)

These functions work in harmony for fast and consistent data throughput during the transmission of video signals, by adapting to any changes in network condition, and correcting any packet loss. (see Figure 5)

Multi-Point Connection—Embedded MCU.
Using either an IP (H.323 protocol) or ISDN (H.320 protocol) connection, the PCS-XL55 can communicate with up to two remote videoconferencing sites (three sites in total) simultaneously.

Simple Setup and Easy Operation Intuitive GUI—Simple Layer Structure/Translucent Cascading Menus.
The PCS-XL55 was designed with an intuitive GUI utilizing translucent cascading menus. This simple layer structure and easy functionality allow you to operate the videoconferencing system, including the camera, much more easily.

Other Features.
- **Memory Stick™** recording—video/presentation data (including annotations) and audio can be recorded for later review.
- Presentation data can be sent as a single stream by selecting the RGB input.
- Built-in streaming function for multicasting to large audiences.
- **Support for IPv6.
- Support for H.460 Firewall Traversal.
- Up to 100 camera preset positions can be stored, each with a thumbnail image for easy recall.

One-Touch Dialing with the RF Remote Commander Unit.
For user convenience, the PCS-XL55 adopts an RF Remote Commander unit which you do not have to point directly towards the system. What’s more, the PCS-XL55 has a convenient One-Touch Dialing feature, which allows you to easily connect to any of your registered contacts by just pressing a function button on the RF Remote Commander unit that corresponds to a thumbnail image on the GUI. Up to four contacts for one-touch dialing can be shown on the home menu from a maximum of 1,000 registered contacts.

Figure 1

![Figure 1](image1.png)

PCS-XL55

Figure 2

![Figure 2](image2.png)

Privacy Shutter

Micophone

Kiosk Commander Unit

Figure 3

![Figure 3](image3.png)

Figure 4

![Figure 4](image4.png)

Figure 5

![Figure 5](image5.png)
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