

Personal desktop videoconferencing system



Versatile videoconferencing for any business desktop.

Competitively priced, the Sony PCS-TL33P brings natural and clear videoconferencing within easy reach of all businesses. Realistically natural pictures and sound ensure highly effective real-time communication, helping you make better business decisions without time-consuming and expensive travelling.

Sleek and compact to fit on any desktop, the PCS-TL33P doubles as a PC monitor and offers a range of advanced features including superb quality images and audio, easy set-up and KIOSK mode for effective remote consulting or distance learning. The PCS-TL33P improves interpersonal communications and productivity for any organisation, from small office/home office to multinationals.

Key Features

■ Clear pictures with smooth, natural movements

The PCS-TL33P gives you smooth, clear H.264 standard video, so you can accurately interpret body language and facial expressions. The built-in digital pan/tilt/zoom camera operates at high frame rates to capture exceptionally sharp, well-defined images. Combined with Adaptive Rate Control (ARC) and Real-time ARQ™, it sends clear, smoothly flowing pictures to your colleagues anywhere in the world, even during heavy network traffic.

■ Superb quality sound

The PCS-TL33P produces natural-sounding audio to MPEG-4 AAC (Advanced Audio Coding) standard, so you can clearly hear your colleagues' tone of voice and concentrate on what they say. The built-in advanced echo canceller eliminates distracting audio delays, so conversations flow smoothly and easily.

■ Versatile videoconferencing and PC display

The PCS-TL33P is the only screen users need on their desktop. It combines a widescreen 17.1 inch WXGA videoconferencing monitor and PC display, which makes it easy to share and display data during videoconferencing – especially using multiple display modes such as full screen, picture-in-picture and split-screen picture-and-picture. While your videoconferencing call is in progress, you can also send and receive data from your PC using the optional PCSA-DSM1 module.

■ Ideal for small spaces

The PCS-TL33P has a sleek, attractive design with a compact footprint, making it ideal for ordinary office desktops and small meeting spaces.

■ Runs unattended in KIOSK mode

In KIOSK mode, the PCS-TL33P becomes a useful remote consulting or distance learning device. KIOSK is quick and easy to set up, will run unattended and can accommodate up to 30 preset locations, identified by your chosen picture icons, ready to connect at the click of a mouse.

■ Intuitively easy to use

Logical and transparent drop-down menus and simple mouse commands ensure that using the PCS-TL33P will feel natural and familiar in just a few minutes, so you quickly become more productive. You can make a videoconferencing call simply by clicking on the picture icons in your address book. And you can easily multitask – including working on your PC during a videoconferencing call.

■ Security

The PCS-TL33P also supports both H.235 encryption and the Advanced Encryption Standard (AES) to safeguard video, audio and data against unauthorised interception and ensure confidential information remains secure throughout your conference.

■ Quick and simple set-up

The PCS-TL33P features a built-in Ethernet interface, so you can configure it simply by plugging into a LAN and following the quick and easy set-up menu. The PCS-TL33P supports data-transfer rates of up to 2 Mb/s over IP networks (H.323), for high-quality pictures and conversations that flow at a natural pace.

A world of videoconferencing

The Sony PCS-TL33P is part of a range of Sony Videoconferencing solutions that cover all types of business applications, from desktop and set-top systems suitable for individuals or small groups, to larger systems for boardrooms and meeting halls.

Accessories



PCSA-DSM1 Data Solution Module



PCSA-A1 Omnidirectional Microphone



PCSA-A3 Unidirectional Microphone

PCS-TL33P Specifications

Video	
Standards	H.261, H.263, H.263+, H.263++, H.264, MPEG-4 SP@L3
Resolution	QCIF (176 x 144), CIF (352 x 288)
Frame rate	15 or 30 frames/s
Bit rate	Up to 2048 kb/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.728: 3.4 kHz at 16 kb/s G.729: 3.4 kHz at 8 kb/s MPEG4 AAC (mono) 14 kHz at 64/96 kb/s
Echo cancellation	Built-in noise suppressor
Integrated Display	
LCD	17.1-inch Widescreen*
Resolution	1280 x 768 (WXGA)
Response	13 ms
Contrast ratio	600:1
Horizontal viewing angle	176°
Colors	16.7 million
Graphics	
XGA	1024 pixels x 768 lines (H.263), with PCSA-DSM1
4CIF	704 pixels x 576 lines (H.261 Annex D, H.263)
Screen Layout	
Full screen**	17.1-inch Full-screen (1280 x 768) display
Picture-in-Picture	Sub screen size (256 x 192), One of four corners
Picture-and-Picture (1)**	Main screen size (1024 x 768) Sub screen size (256 x 192), Located at upper right-corner of display
Picture-and-Picture (2)	Main/Sub screen size (640 x 480), Side-by-Side Split Screen
ITU-T Standards (excludes audio/video standards)	
	H.323, H.225, H.281 FECC, H.245, H.239, H.235, H.460.18, H.460.19, H.350
Network Protocols	
	TELNET (Server), HTTP (Server), FTP (Server), SNMP (Agent) DNS (Client), DHCP (Client), RTP/RTCP, TCP/UDP, ARP
Control Port	
	LAN (Telnet), RS-232C
Lip Synchronization	
	Manual On/Off
Security	
	H.235 Sony Proprietary AES Encryption, Password Protection
Network Features	
QoS (Quality of Service)	ARC (Adaptive Rate Control), Real-time ARQ (Auto Repeat reQuest), IP Precedence, DiffServ
NAT	Network Address Translation
UPnP	Universal Plug and Play

Integrated Camera	
Image device	1/3.8-type CMOS
Total number of pixels	1.33 million pixels
Number of effective pixels	1.28 million pixels
Picture Format	4CIF
Focal length	2.1 mm (F2.4)
Focus	Pan Focus
Zoom ratio	x 3 (Digital)
Horizontal viewing angle	87°
Presets	Up to 6 points
Others	Backlight compensation, Auto white balance
Integrated Microphone	
Frequency range	14 kHz, Narrow-angle directional microphone
Integrated Speakers	
Output	3 W x 2
Interface	
Video	RGB input, mini D-Sub 15-pin x 1
Audio	External microphone input (mini-jack, plug in power) x 1 External headphone output (stereo mini-jack) x 1
Network	10Base-T/100Base-TX x 1
Memory Stick I/F	Memory Stick slot x 1***
PCSA-DSM1 Interface	Dedicated connector x 1
RS-232C	D-sub 9-pin x 1
General	
Operating temperature	5 °C to 35 °C (41 °F to 94 °F)
Operating humidity	20% to 80%
Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Power Requirements	AC 100 to 240 V, 50/60 Hz
Power Consumption	DC 19.5 V, 6.15 A
Dimensions (W x H x D)	424 x 376 x 95.5 mm (16 3/4 x 14 7/8 x 3 7/8 inches), excl. stand 424 x 419 x 258 mm (16 3/4 x 16 1/2 x 10 1/4 inches), incl. stand
Mass	8 kg (17 lb 10 oz)
Supplied Accessories	
	VGP-AC19V15 (AC Adaptor) PCS-RMU1 (Optical Mouse) Quick Start Guide Operation Manual CD-ROM Worldwide Warranty Booklet Power Cord
Interfaces (input/output)	PCSA-DSM1**** Dedicated connector x 1, RGB output D-sub 15-pin x 1
Dimensions (W x H x D)	107 x 250 x 34 mm (4 1/4 x 9 7/8 x 1 3/8 inches), excl. projections
Mass	550 g (1 lb 3 oz)

* Viewable area, measured diagonally.

** If the PC Display Button is pressed, presentation data is displayed in the main screen (1024 x 768), and videoconferencing images are displayed in two sub screens (256 x 192 each) at the upper right-corner of the display (three-window layout mode).

*** Supports: Memory Stick, Memory Stick PRO™ (2GB or less), Memory Stick Duo™ with adaptor, Memory Stick PRO Duo™ with adaptor, MagicGate™ Memory Stick/MagicGate Memory Stick Duo with adaptor containing files without content protection technology.

**** The optional PCSA-DSM1 Data Solution Module fits into the rear of the PCS-TL33P.

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