

Sony Expands the IPELA Range with a New Addition to the Videoconferencing System Line

Hong Kong, June 28, 2005 – Sony Corporation of Hong Kong Limited today unveiled its new IPELA line of videoconferencing system, the PCS-G50P. Incorporating advanced audio and video technologies with user-friendly features, the PCS-G50P provides an affordable visual communication tool for the conference room environment of all businesses.

The PCS-G50P offers excellent picture quality over both ISDN and IP networks and fully supports the latest ITU-T H.264 video codec standard for maximum connection flexibility. The system can achieve a maximum bandwidth of 4Mb/s with an IP connection, and up to 768 Kb/s with an ISDN connection using the optional ISDN unit PCSA-B768S. This combination of high-quality codec and high-speed network support provides video quality comparable to standard TV broadcasts.

Using the optional Multi-control Unit (H.323 MCU/ H.320 MCU) software, the PCS-G50P can be configured to communicate with up to 5 remote videoconferencing sites (totally 6 sites) simultaneously via either an IP or ISDN connection. The system can also bridge mixed calls between an ISDN network and an IP network, and speed matches without lowering the performance of the entire system. Additionally, two units of the PCS-G50P with the MCU software can be cascaded with an IP connection to support a maximum of 10 sites simultaneously. Users can enjoy high quality H.264 CIF video and clear MPEG-4 AAC audio even in a multi-point videoconference.

The new site-name display feature is added to allow participants to keep track of all parties during multi-point videoconferences and they can choose to display anything from company or branch names to geographical locations on a monitor.

The new Audiovisual (A/V) recording feature enables the system to record¹ audio and video directly to the Memory Stick™ media in MPEG-4 format during a videoconference and the AV content can be played back on any PC using QuickTime media player.

With the optional data solution box PCSA-DSB1S, any images that can be displayed on a PC can be sent or received in native XGA resolution and can also be viewed by all parties in a multi-point videoconference, allowing for data sharing during a videoconference. The system can store up to 500 contacts via an easy-to-use remote

¹ AV recording is not supported when AES is active. Also, graphical data cannot be recorded.

commander unit for quick and easy dialing and it supports a call history log with the last 32 incoming and outgoing calls.

The PCS-G50P is stylishly designed and can fit in any conference room environment. To ensure the best sound quality, the system is compatible with a number of Sony external microphones and speakers in addition to its built-in audio features. Other key features of the PCS-G50P include the AES encryption, Quality of Service enhancement functions and flexible display patterns at all sites.

About IPELA

The IPELA brand of IP-based products – named for a combination of “IP” and “bella”, Italian for “beautiful” – ranging from network cameras and recording devices to video conferencing systems. The identity of this new solution expresses Sony’s vision for the workplace of the future: “Integrated Visual Communication”. IPELA provides easy access to small, lightweight and easy-to-use products that enable customers to transmit and receive visual information in a format that was previously reserved for broadcasters.

IPELA marks a new era of integrated visual communications as it brings depth and flexibility in communications to businesses of all sizes. By setting such a dynamic new standard for integrated visual communications, IPELA is uniquely positioned to drive the future of business communications.

For customer enquiries, please contact Sony product hotline at (852) 2909-1865.

Specifications of the PCS-G50P are as below:

Model	PCS-G50P
VIDEO	
Standards	H.261, H.263, H.263+, H.263++, H.264, MPEG-4 SP@L3, H.239*
Resolution	SQCIF, QCIF, CIF, 4CIF, Interlaced SIF
Frame rate	Max. 30 frames/s (H.261, H.263, H.263+, H.263++, H.264, and MPEG-4 SP@L3) Interlaced SIF Mode (50 fields/s)
Bit rate	Up to 4Mb/s in H.323 (Incl. audio)** Up to 768Kb/s in H.320 (Incl. audio)
AUDIO	
Bandwidth and coding	G.711:3.4kHz at 56/64Kb/s G.722:7.0kHz at 48/56/64Kb/s G.722.1:7.0kHz at 24/32Kb/s (H.323) G.728:3.4kHz at 16Kb/s G.723.1:3.4kHz at 5.3/6.3Kb/s (H.323) G.729: 3.4kHz at 8Kb/s (H.323) MPEG-4 AAC (mono) 14kHz at 64/96Kb/s (H.323) at 48Kb/s (H.320)
Echo cancellation	Noise Suppressor included Automatic Gain Control included
GRAPHICS	
XGA	1024 pixels × 768 lines (H.263), with PCSA-DSB1S
4CIF	704 pixels × 576 lines
PICTURE IN PICTURE	
Sub screen size	4.3" (256 × 192), One of four corners
ITU-T STANDARDS (excludes audio/video standards)	
	H.320, H.323, H.211, Bonding, H.281 FECC, H.225.0, H.242, H.243, H.245, T.120
MULTIPOINT CAPABILITIES	
	Up to 6 sites (H.320/H.323)*** Up to 10 sites (H.320/H.323)****
LIP SYNCHRONIZATION	
	Manual On / Off
CAMERA UNIT	
Image device	1/4 type CCD
Horizontal resolution	460 TV lines
Focal length	3.1 to 31mm (F1.8 to 2.9)
Focus	Auto / Manual
IRIS	Auto
Zoom ratio	10X Optical zoom (40X with digital zoom)
Pan angle	-100° to +100° (Max. 100°/sec)

Tilt angle	-25° to +25° (Max. 125°/sec)
Preset	Up to 6 positions
S/N	More than 50dB
Others	Back light compensation Auto white balance
INTERFACES (Communication Terminal)	
Video	D-Sub 15-pin Dedicated Camera I/F ×1 S-video or Composite input ×1 S-video output ×2 Composite output RGB output
Audio	Line input RCA AUX input RCA (bypasses echo canceller) External analog microphone input, Mini-jack ×2 External digital microphone input ×2 Line output RCA ×2
Network	10Base-T/100Base-TX External ISDN Unit I/F
Control	SIRCS IR Out ×2 Wired SIRCS In RS-232C
DSB I/F	Dedicated D-Sub 15
RGB I/F	RGB output
Memory Stick	Memory Stick slot
GENERAL	
Power Requirements	AV220V to 240V, 50Hz
Power Consumption	DC 19.5V, 5A
Communication Terminal Dimensions (W×H×D)(mm)	420 × 66 × 256 (excluding projections)
Camera Unit Dimensions (W×H×D)(mm)	131 × 141 × 130 (excluding projections)
Communication Terminal Mass (kg)	4.6
Camera Unit Mass (kg)	1.0
Availability	Early July
<p>* The Optional PCSA-DSB1S Data Solution Box is required to send presentation data. ** When the H.261 video standard is used, up to 2Mb/s is supported. *** Requires optional MCU software. IP/ISDN Bridging is possible. **** Requires optional MCU software. Connections between base units must be IP (H.323). IP/ISDN Bridging is possible.</p>	