

SONY

Press release

Sony Launches Industry's First 1080i High-Definition Videoconferencing Solution

The PCS-XG80 offers a powerful yet compact HD visual communication system with superb performance



Hong Kong, August 19, 2008 – Sony Corporation of Hong Kong Limited will take videoconferencing to a new level with the launch of the industry's first 1080i HD visual communication system - the PCS-XG80.

Combining 1080i high resolution and a high frame rate of 60 fields per second, the PCS-XG80 promises unrivalled live video quality with approximately four times more details than standard-definition (SD) images, for a very natural alternative to face-to-face meetings. Thanks to its backward compatibility, users have the flexibility to choose to connect with HD video quality through the growing number of affordable high bandwidth connections or with standard definition legacy systems¹ over IP and/or ISDN. In addition to the industry first HD 1080i mode, the new system also features Sony's unique and enhanced BrightFace™, Dual Stream, Video Annotation and Radio Frequency (RF) Remote Commander™.

The PCS-XG80 is an expansion of Sony's current HD PCS system series while incorporating the functions and features of the high-end model, PCS-HG90. The PCS-XG80 HD camera adopts the Sony developed BrightFace™ technology that produces clear images even when using in low lighting environments. The system also features natural and clear stereo audio with advanced echo canceller that provides a superb audio quality as well as stunning HD images.

¹ The PCS-XG80 can connect to SD legacy systems that comply with industry standards.

From PowerPoint and animations to live DVDs, users can also seamlessly share PC data in XGA resolution at 30 frames per second. With the H.239 dual stream functionality, users can send two separate streams of live, HD information in parallel. Both live camera view and animated PowerPoint can be displayed in HD on two different screens or projectors at the remote site. Besides, using the Video Annotation function, users can clearly point out specific parts of an image by writing on an optional tablet with pen input device and share instantly with the counterparts at the other end.

As a mainstream business communication tool, the PCS-XG80 adopts a user-friendly design which makes videoconferencing with no hassle. The system adopts the new wireless technology, RF Remote Commander unit, which does not have to be pointed directly towards the system. Moreover, the PCS-XG80 offers a number of user-friendly features, such as “one-touch dialing” for starting the videoconference with a touch of the function button and the HDMI interface allows for a single cable connection between the codec and an HDMI-equipped display. Key interfaces at the back of the HD codec unit are highlighted in green to make installation easy.

Featuring 6-site multipoint conferencing (max 10-site in IP cascade connection), users can call up to five other remote sites to simultaneously meet with multi-language support for up to 20 different languages available through easy-to-navigate menus. Wide band stereo audio also enhances the overall meeting experience for users with crisp and clear sound.

Sony HD visual communication system PCS-XG80 is now available at the suggested price of HK\$78,000.

For customer enquiries, please contact Sony customer service hotline of professional products at (852) 2909-1865.

About Hong Kong Marketing Company

Hong Kong Marketing Company (HKMC), a division of Sony Corporation of Hong Kong Limited, provides sales, marketing and after sales services for Sony’s consumer electronics products as well as broadcast and professional products in Hong Kong and Macau. For more information on Sony’s products and services, please visit its web site on www.sony.com.hk.

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Specifications sheet of Sony HD Visual Communication System PCS-XG80

HD Codec Unit PCS-XG80S			
Communication Protocol Standards		H.320, H323, IETF SIP	
Video	Compression Standard	H.261, H.263, H.263+, H.263++, H264, MPEG-4 Video (SIP only)	
	Resolution	4:3	QCIF (176 x144), CIF (352x288), 4CIF (704x576)
		16:9	wCIF/w288p (512x288), w432p (768x432), w4CIF (1024x576), 720p (1280x720), 1080i (1920x1080)
	Max. Frame Rate	H.261	QCIF 30fps, CIF 30fps
		H.263	QCIF 30fps, CIF 30fps, 4CIF 15fps
		H.264	QCIF 60fps, CIF 60fps, 4CIF 60fps, wCIF 60fps, w432p 60fps, w4CIF 60fps, 720p 60fps, 1080i 60fps
Bit Rate	IP	64 kb/s to 10 Mb/s	
	ISDN	56kb/s to 768kb/s (with optional PCSA-B768S) 56kb/s to 384kb/s (with optional PCSA-B384S)	
Audio	Bandwidth & Coding	MPEG-4 AAC-LC Stereo: 22kHz at 128kb/s, 192kb/s – IP only MPEG-4 AAC-LC Mono: 14kHz at 48kb/s, 64kb/s, 96kb/s MPEG-4 ACC-LC Mono: 22kHz at 64kb/s, 96kb/s – IP only G.711: 3.4kHz at 56kb/s, 64kb/s G.722: 7.0kHz at 48kb/s, 56kb/s, 64kb/s G.728: 3.4kHz at 16kb/s	
	Echo Cancellation	Stereo Echo-cancelling Noise Reduction Automatic Gain Control	
Screen Layout		Full screen, Picture-in-Picture, Picture-and-Picture, Side-by-Side split screen	
ITU-T Standards		H.221, BONDING, H.225, H.231, H.241, H.242, H.243, H.245	
Other Standards		RFC2190, RFC3016, RFC3047, RFC3261, RFC3264, RFC3550, RFC3984, RFC4537, RFC4587, RFC4629, RFC4856	
Network Protocol		TCP/IP, UDP/IP, RTP/RTCP, DHCP, DNS, SNMP, TELNET, SSH, HTTP, HTTPS, NTP, PPPoE, UPnP	
Multipoint Capability		Internal MCU up to 6 sites (H.320/H.323/SIP) with optional software PCSA-MCG80; Internal MCU up to 10 sites (H.320/H.323/SIP) with optional software PCSA-MCG80 using cascaded connection	
Data Sharing		H.239 (video and presentation data)*	
Lip Synchronization		ON/OFF	
Mic Off Function		ON/OFF	
Encryption Protocols		H.233, H.234, H.235 ver. 3	
Network	Intelligent QoS (Quality of Service)	- Adaptive FEC (Forward Error Correction) - Real-time ARQ (Auto Repeat reQuest) - ARC (Adaptive Rate Control)	
	Other Features	NAT, IP Precedence/DiffServe, UDP Shaping, TCP/UDP Port Setting, Auto Gatekeeper Discovery, Packet Reordering, URI Dialing	
Camera Control		Far End Camera Control: H.281	
Interface	Video Input	AUX Video Input (S-Video x1, Analog Component Y/Pb/Pr x1, RGB x1)	

Video Output	HDMI (video, audio) x1, RGB x1
Audio Input	- Mic Input x2 (stereo x1 / mono x2 / plug-in power) up to 14kHz - EC-Mic Input x2 (PCSA-A7) up to 14kHz - Audio Input (MIC/AUX) x2 (RCA pin, stereo) up to 22kHz (AUX)
Audio Output	HDMI (video, audio) x1, Line Output (RCA pin, stereo) x1, REC Output (RCA pin, stereo) x1
Control	RS-232C
Memory Stick	Memory Stick Slot x1
Tablet Interface	Tablet Interface x1
Maintenance Interface	RS-232C x1
Network	10BASE-T/100BASE-TX x2, ISDN Unit Interface x1
General	
Operating Temperature	5 to 35°C (41 to 95°F)
Operating Humidity	20 to 80% (non-condensing)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Storage Humidity	20 to 80% (non-condensing)
Power Requirements	DC 19.5V (AC Adapter: AC 100 to 240V, 50/60Hz)
Power Consumption	40W (codec only) / 90W (with PCSA-CXG80, PCSA-A7P4, PCSA-B768S)
Power Consumption (stand-by)	10W (codec only) / 15W (with PCSA-CXG80, PCSA-A7P4, PCSA-B768S)
Dimensions (WxHxD)	282 x 56 (including rubber feet) x 244 mm (excl. projections)
Mass	Approx. 2.2kg
Supplied Accessories	
	AC Adapter, HDMI Cable (3m), RF Remote Commander Unit, Batteries for Remote Commander Unit x2, CD-ROM (Operating Instructions, Before Using This Unit, Connection Sheet, Quick Dial Guide), Before Using This Unit, Connection Sheet, Quick Dial Guide, Important Notice Regarding Software and Warranty Booklet

HD Camera Unit PCSA-CXG80	
Image Device	1/3-type CMOS
Effective Picture Elements	Approx. 2 megapixels (16:9)
Focal Length	3.4 to 33.9mm (F1.8 to F2.1)
Focus	Auto/Manual
Horizontal Image Angle	Approx. 8° (tele) to 70° (wide)
Zoom Ratio	10x optical zoom (40x digital zoom)
Pan/Tilt Angle	-100° to +100° (Pan), -25° to +25° (Tilt)
S/N	More than 50dB
GAIN	Auto
Control Out	VISCA OUT RS-232C for 2 nd camera control
Position Preset	100 positions
Operating Temperature	5 to 35°C (41 to 95°F)
Operating Humidity	20 to 80% (non-condensing)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Storage Humidity	20 to 80% (non-condensing)
Power Requirements	DC 19.5V (supplied via the codec)
Dimensions (WxHxD)	240 x 152 (including rubber feet) x 158 mm (excl. projections)

Mass	Approx. 2kg
Others	BrightFace Function, Noise Reduction, Backlight Compensation, Auto White Balance
Supplied Accessories	Camera Cable (3m), Hook-and-loop Pads x2, Operating Instructions, Warranty Booklet

* PC images up to SXGA resolution are supported. It requires the optional HD data solution software PCSA-DSG80 to send video and presentation data simultaneously.