

**PCS-XG80 FAQ (as of October 7, 2008)**

<b>Function</b>	<b>Question</b>	<b>Answer</b>
Annotation	Which pen tablet does PCS-XG80 support?	It supports Bamboo MTE-450 manufactured by Wacom. A wireless tablet or LCD tablet is not supported. (No support plan)
Annotation	Is annotation possible on camera image and PC image?	Yes, it can mark or point on any one of selected video sources (remote picture, local picture, PC image to be sent, and received PC image).
Annotation	Can I extend the USB cable from a pen tablet?	No. Use of commercially available USB extension cable or USB repeater is at the customer's risk.
Annotation	Do you have any plan to support wireless tablets or LCD tablets in future?	No. The PCS-XG80 supports only Bamboo MTE-450 pen tablet.
Annotation	Does pen tablet pressure influence the thickness of lines?	No. The thickness can be adjusted in three steps with the button on the pen, not by writing pressure.
Annotation	Can I save drawings written using annotation?	Yes. You can save them in the "Memory Stick" as a still image or moving picture.
Annotation	Can drawings be executed by both local and remote parties at the same time?	No. Although two or more users can write letters or graphics, one party only can do it at a time.
Audio	Does PCS-XG80 support stereo audio?	Yes, it does. MPEG-4 AAC codec supports stereo audio and the sampling frequency is 48 k Hz. The wide-band stereo echo canceller is also supported. When a multipoint connection is made, however, monaural audio only is supported.(In this case, a monaural echo canceller works.)
Audio	Does PCS-XG80 support MPEG-4 AAC-LD?	TBD. The PCS-XG80 supports MPEG-4 AAC-LC.
Audio	How long is the audio delay?	About 100 ms at the shortest. It includes the time for the audio codec, related buffer and echo canceller to be processed. The delay time may be extended depending on your network environment or video delay if Lip Sync function is used.
Audio	Does the stereo echo canceller work for the external LINE inputs?	Yes, it does. Proceed as follows to use the external LINE inputs as MIC: Set "Audio Input" to "MIC" under Audio Setup -> Basic Setup 1. And set "Input Select" to "AUDIO1" or "AUDIO 2" and "Echo Canceller" to On. Be sure to adjust the input level to the LINE level to use the external LINE inputs as MIC.

Function	Question	Answer
Audio	How many microphones can be connected with PCS-XG80?	Up to two microphones. Using PCSA-A7P4 microphone, up to 80 can be connected.
Audio	How about the audio I/O spec?	Please show below. AUDIO 1 IN (L/R) +9dBs max (max:clip level), Reference:-11dBs Impedance:47k-ohm or more, unbalanced, AUDIO 2 IN (L/R) +9dBs max (max:clip level) Reference:-11dBs Impedance:47k-ohm or more, unbalanced, AUDIO OUT (L/R) +6dBs max Reference:-
Audio	Does PCS-XG80 have Lipsync feature?	Yes. In addition, it has a feature to adjust the delay time according to a monitor display in use.
BrightFace	Is BrightFace setting configurable while in communication?	Yes, it is supported at Ver.2.0 or later.
BrightFace	Can I adjust the effectiveness of BrightFace function?	The three levels (High/Middle/Low) are available. In a satisfactory lighting environment, you can set the function to Off.
BrightFace	Is BrightFace function available with other camera than the standard camera?	No. The BrightFace is available only on PCSA-CXG80 camera.
Camera	What is BrightFace™ function?	It's brightness compensation function with intelligence. This function is incorporated in the standard camera. For details, refer to the white paper available separately.
Camera	How to connect EVI-HD1 as 1st camera?	A camera interface adapter cable is separately required. (Please consult your local sales representatives.)
Camera	How to connect EVI-HD1 as 2nd camera?	Connect the analog component cable (YPbPr) to the video input on front panel, and connect the VISCA cable to the 1st camera (PCSA-CXG80).
Camera	How to extend the camera cable?	A 3m camera cable comes with PCSA-CXG80. To extend it, a camera extension cable is separately required. (Please consult your local sales representatives.)
Camera	Does PCS-XG80 support ceiling mount camera?	Yes, it supports BRC-H700 and BRC-Z700 as ceiling mount HD camera. (BRC-Z700 is supported at Ver.2.0 or later.)

Function	Question	Answer
Camera	What is "Image Flip" function in the camera setup menu?	It allows you to select whether to rotate the camera image 180 degrees vertically when the camera is installed on a ceiling. Setting it to "Flip Vertical" turns on the image flip function of the camera side. BRC-H700/BRC-Z700 only support the image flip function. The other cameras do not. (BRC-Z700 is supported at Ver.2.0 or later.)
Camera	Can I install the standard camera on a ceiling?	No. If you need a ceiling-mounted camera, it is recommended to use any of BRC-H700/BRC-Z700.(BRC-Z700 is supported at Ver.2.0 or later.)
Camera	Does PCS-XG80 support SD camera?	Yes, it supports PCSA-CG70 as 1st SD camera. And it has S-Video input on back panel.
Camera	Are BRC-300/EVI-D70/EVI-D100 supported as the 2nd camera?	No. (Although "S-Video" is settable under Camera Setup menu -> Second Camera Input, the setting will be disabled.)
Camera	How can I connect BRC-H700/Z700 as the 2nd HD camera?	Connect the 2nd camera to YPbPr connectors on the front and then daisy-chain it to the 1st camera with VISCA cable. Be sure to set Second Camera Input under Camera setup menu to "YPbPr".
Camera	How can I connect EVI-HD1/BRC-Z700 as the 2nd SD camera?	Connect the 2nd camera to S-VIDEO connector and then daisy-chain it to the 1st camera with VISCA cable. Be sure to set Second Camera Input under Camera setup menu to "S-VIDEO".
Camera	Does PCS-XG80 support PCSA-STCG70 camera stand?	No.
Camera	Does PCSA-CTG70 tracking camera work with PCS-XG80?	No, it doesn't.
Camera	Does PCS-XG80 support IP camera connection?	No.
Camera	Are 100 preset camera settings enabled between the 1st camera (normally PCSA-CXG80) and 2nd camera?	Yes. Every time you recall the preset position, the corresponding camera is recalled.
Camera	Can I save a thumbnail together when registering the preset setting?	Yes. It is supported at Ver.2.0 or later.

Function	Question	Answer
Camera	Is PCS-XG80 provided with a fade-in function to have the picture in the preset position fade in on a monitor screen when a camera moves to the preset position?	Yes. It is supported at Ver.2.0 or later and configurable with the camera setup menu.
Camera	What cameras does PCS-XG80 support?	PCSA-CXG80, PCSA-CG70,EVI-HD1, BRC-H700/Z700 as the 1st camera, and EVI-HD1, BRC-H700/Z700 as the 2nd camera. (BRC-Z700 is supported at Ver.2.0 or later.)
Camera	Which cameras support up to 100 preset position settings?	PCSA-CXG80, PCSA-CG70,EVI-HD1, BRC-H700/Z700 as the 1st camera, and EVI-HD1, BRC-H700/Z700 as the 2nd camera. (BRC-Z700 is supported at Ver.2.0 or later.)
Camera	How many preset numbers can I recall in FECC mode?	Up to six.
Camera	Is the short-cut operation to select input video available using the remote commander?	No.
Camera	How can I recall the preset number?	You can recall 1 to 6 only by pressing the number buttons on the Remote Commander and call all the preset numbers by using the camera menu.
Certificate	Does PCS-XG80 get NIST certification?	TBD
Compatibility	Does PCS-XG80 have backward compatibility?	Yes, it supports compatibility with PCS-1/11/G70/G50/TL50/TL33/TL30/HG90.
Compatibility	Does PCS-XG80 have interoperability with other manufactures' codec?	Yes, it supports interoperability with the units that supports H.320(ISDN) and H.323(IP).
Compatibility	Is a 720P image exchangeable between PCS-XG80 and other manufactures' codec?	Yes.
Compatibility	Does PCS-XG80 have backward compatibility for phonebook?	No, it doesn't.

Function	Question	Answer
Control	Does PCS-XG80 support touch panel controller?	Yes, it supports AMX and Crestron by using external control command set (API) via RS-232C or Telnet port.
Control	Is the list of external control command available?	Yes. Please consult your local sales representatives.
Display	Does PCS-XG80 support dual monitor?	Yes. (HDMI and RGB)
Display	Does PCS-XG80 support dual monitor emulation?	Yes, it supports PinP/PandP/Side by Side (Far and Near, Far and RGB, Near and RGB are available).
Display	Can I choose the three split screen of CP mode (PC+Far+Near)?	No.
Display	What format is supported when PCS-XG80 connects an SD model?	4:3 picture where both sides are cropped from the original (Side Crop)
Display	What can I select as a local monitor display while sending the PC image?	PC image of full screen and remote picture+ PC image of PinP, PandP, or SidebySide are selectable. No local picture is displayed.
Display	What is "Conference mode" which is incorporated in a monitor?	Setting a monitor to "Conference mode" allows you to obtain the picture quality which suits typical office lighting like fluorescent lamp.
Display	In the dual monitor mode, what is displayed on the second (RGB) monitor?	When a PC is connected not in communication, PC picture is displayed. At Ver.2.0 or later, video select by Video Input can be displayed if no signal is input at RGB IN connector. In communication, a local picture to be transmitted is displayed.
Encryption	Does PCS-XG80 support AES?	Yes, it supports H.235, H234 and H233 AES encryption at 128bit.
GUI	How many languages does PCS-XG80 support?	21 languages (English, Japanese, French, German, Spanish, Italian, Portuguese, Simplified Chinese, Traditional Chinese, Korean, Dutch, Swedish, Danish, Finnish, Polish, Russian, Arabic, Thai, Norwegian, Turkish, and Welsh (V2))

Function	Question	Answer
GUI	How many entries does it have in the phonebook?	Up to 1,000 entries. They can be classified into up to 100 groups.
GUI	Does PCS-XG80 have a feature to display the indicator which indicates that the sound of the local party is not transmitted, on a remote monitor while the sound is muted.	Yes, it supports at Ver.2.0 or later.
GUI	What size is a thumbnail image used in the phonebook?	240x135. (Conventional models: 80x60)
H.239	Does it support dual video (H.239 live mode)?	No, it doesn't. For details, refer to the white paper available separately.
H.239	Does PCS-XG80 support H.263 XGA compatibility for DSB/DSM?	Yes, it does.
H.239	Does PCS-XG80 support Dual video reception from Tandberg's endpoint, or PCS-G70	Yes, it does. (H.239 presentation mode)
H.239	Can I send two moving pictures at a time like using the H.239 live mode (Dual video)?	Yes, moving picture input at RGB IN terminal can be sent at 30fps to remote parties, so you can this RGB input and main video input using the H.239 presentation mode like Dual Video. In addition, you can send 720p video via RGB IN. For details of how to send 720p video via RGB IN, consult your local sales representatives.
Installation	Does PCS-XG80 support HD digital video input?	No, it doesn't. Analog component inputs are only available (YP b Pr on the front).
Installation	There are two LAN terminals. What for?	It supports dual network interface (e.g. LAN and WAN) at Ver.2.0 or later. For details, refer to the white paper available separately.
Installation	What is the AUX control terminal on the rear? What is the MAINTENANCE terminal on the front?	The AUX terminal should be used for external control. The MAINTENANCE terminal should be used for maintenance use (e.g. for taking logs) . For details on each connector specifications, refer to the system integration manual separately available.
Installation	Is there the difference between NTSC and PAL models?	No. All you need to do is set "Frequency" to 50Hz or 60Hz under Video Setup menu.

Function	Question	Answer
MCU	Does PCS-XG80 MCU support transcoding?	Yes, only between IP and ISDN connection (one codec per each).
MCU	Does PCS-XG80 MCU support speed matching?	Yes, only between IP and ISDN connection (one speed per each)
MCU	Does PCS-XG80 MCU support CP and VAS?	Yes, it supports both CP and VAS. But it supports only VAS when in the cascaded connection.
MCU	How many sites does MCU support?	Up to 6 sites as single MCU. Up to 10 sites as dual MCU cascaded connection via IP.
MCU	Does PCS-XG80 MCU support cascade connection to PCS-G50/G70/1 MCU?	No.
MCU	What resolution can be achieved when a multipoint connection is made?	It supports up to 720P resolution. For details, please consult your local sales representatives.
MCU	What will happen when the number of remote points connected increases/decreases for a multipoint connection during use of annotation function (e.g. when another point calls or when one of the remote points is disconnected.)?	Annotation function automatically terminates.
Memory Stick	What is maximum size of "Memory Stick" PRO/PRO DUO available?	16 GB.
Memory Stick	What type of Memory Stick can be used with PCS-XG80?	Memory Stick PRO/PRO DUO without adaptor.
Memory Stick	Can I remotely access the recorded files saved in the Memory Stick?	No.
Network	Can it bridge LAN and WAN as MCU connection?	YES

Function	Question	Answer
Network	Does PCS-XG80 support ISDN connection?	Yes, it does. It requires PCSA-B384S(384kbps) or PCSA-B768S(768kbps) ISDN I/F unit.
Network	Is Ping possible?	Yes. Ping is supported at Ver.2.0 or later and enabled with the special menu page.
Option	How to provide optional software?	Device with USB interface. After installation, reuse for other uses (e.g. USB memory) is impossible.
Power	Can I automatically turn on the PCS-XG80 when an power interruption occurs and is then restored (or when you want to control the power on/off of the codec externally, not with the power switch of the codec)?	Yes. It is possible if Auto Restore is set to On under Administrator 7.
Presentation	Can I send PC images to remote parties?	Yes. The optional software is required only when you want to send it with the local picture simultaneously to the remote parties.
Recording	What can be recorded into Memory Stick?	Same video image as one on the main display when using Full Screen/PinP/PandP/Side by Side. In addition, H.239 presentation and video annotation data can be recorded if they are displayed on the main display.
Recording	What will happen when starting recording with screen display pattern changed?	Same video image as one on the main display when using Full Screen/PinP/PandP/Side by Side is recorded.
Recording	With what resolution is recording performed?	CIF resolution with black borders inserted top and down, (Supported at Ver.2.0 and later)
Recording	Is recording possible with an external equipment other than Memory Stick?	Yes, it is possible with an external recording device. To input signals into such recording device, signal conversion from HDMI OUT or RGB OUT to the appropriate format is necessary. For example, to record signals into any Blu-ray machine, the signal must be converted from HDMI to SDI to iLink. To achieve this, however, very expensive converter is separately required.
Recording	What is the maximum recordable time?	Up to six hours per a record due to the limitation of QuickTime player. If your recording time exceeds six hours, normal playback cannot be performed.
Remote	What is RF remote commander?	It uses Radio Frequency not Infrared, so that it's possible to use it without pointing to receiver.



Function	Question	Answer
Remote	What is pairing?	Pairing means that RF remote can control only paired unit. Codec unit and Camera unit have remote receiver, and one of them can be paired with RF remote commander. Codec unit and RF remote commander are paired when ex-factory.
Remote	What is the range of RF remote commander?	About 10m
Remote	How to extend RF remote receiver?	No
Remote	Does PCS-RG1 (IR) remote commander work with PCS-XG80?	No, it doesn't.
Remote	If the RF remote malfunctions, how can I obtain a new one?	It is available as a spare part. Before use, be sure to pair between the new RF remote and the codec unit (or camera).
Remote	Can I use two or more RF remote commanders per a unit?	Yes. Up to 5 can be paired with the unit.
Remote	Can I control two or more PCS-XG80 s with a RF remote commander?	No.
Remote	Can I control the conventional videoconferencing system with a RF remote commander?	No.
Remote	Does the RF remote cause any interference?	It uses the radio frequency of 2.4GHz . We have tested in various environments. Under normal usage, it does not cause interference to other equipment.
Remote	What are the merits of the RF remote commander?	It is possible to use it without pointing to receiver. As the RF remote can control only the paired unit, it prevents interference from other system.
SCCP	Does PCS-XG80 support Cisco CallManager SCCP?	No, it doesn't.

Function	Question	Answer
SIP	What kind of SIP server does PCS-XG80 support?	It supports NEC SV7000 and Asterisk SIP Server.
Streaming	What can be streamed as multicast?	Same video image as one on the main display when using Full Screen/PinP/PandP/Side by Side. In addition, H.239 presentation and video annotation data can be streamed if they are displayed on the main display.
Streaming	How many PCs can receive the streamed data?	Up to 10.
Streaming	With what resolution can I receive streamed data?	CIF resolution with black borders inserted top and down, (Supported at Ver.2.0 and later)
System	How long does it take to start up?	About 90 seconds. To resume from the standby mode, it takes about 50 seconds.
System	How long is the durability of PCS-XG80?	MTBF value will be separately available.
Upgrading	How is the system upgraded? With Memory Stick?	The two methods are available (with Memory Stick and remote upgrade up via a network). Remote upgrade can be performed not via FTP (the conventional method) but via Web.
Video	What is the bandwidth required for connection?	Technical documentation is separately available. Please consult your local sales representatives.
Video	What is the 1080i mode?	It supports 1920x1080 full HD resolution in interlaced mode for higher motion quality of 60fields/s. It's for content casting in broadcast or medical teaching.
Video	What kind of resolution does PCS-XG80 support?	Video Input 1080i/720p (YPbPr), NTSC/PAL(S-video), SXGA/XGA(RGB) Video Output 1080i(HDMI), SXGA/WXGA/XGA(RGB)
Video	What resolution does PCS-XG80 codec support?	1080i, 720p, W4CIF(w576p), w432p, WCIF(w288p), 4CIF, CIF, QCIF

Function	Question	Answer
Video	What will happen when H.239 presentation starts in 720/60p mode?	A frame rate of 60fps is automatically changed to 30fps. After H.239 presentation is finished, conference is resumed at 30fps.
Video	The picture quality looks difference between HDMI and RGB when viewing on a monitor. Why?	It is because HDMI OUT is adjusted for the optimum video quality by the monitor, and RGB OUT is not.
Video	Can I adjust the image quality of RGB outputs?	Yes. It is possible to adjust the image quality according to the video output. For details, consult your local sales representatives.
Video	Do you have any plan for PCS-XG80 to support 1080p?	TBD. But 1080/60i is smoother in motion than 1080/30p.
Video	What is the recommended bandwidth to achieve the HD video?	1.5Mbps for 720/30p. Even at a lower bit rate, HD resolution is available. For details, refer to the technical documentation available separately.
Video	Can I send PC images to remote parties in 1080i mode?	Yes, you can do it by switching video input from camera to RGB.
Video	Does PCS-XG80 support WXGA input?	Not supported at the latest version (V2.0), although XGA and SXGA inputs are supported.
Video	How can I display the local picture on the local monitor in 1080i mode?	A sub monitor is separately required as RGB monitor.
Video	What resolution is displayed when the PC image is output through HDMI?	It is converted from XGA or SXGA to 1080i and output. No deterioration occurs in image quality.
Video	Are there any restrictions in 1080i mode?	Presentation, annotation and PinP, PandP and Side by Side displays are not available.