

	HD		SD			
	Special Purpose	Room Integration			Desktop	
	PCS-HG90	PCS-XG80	PCS-G70	PCS-G50	PCS-1	PCS-TL33
Communication Protocols	H.323	H.320, H.323, SIP	H.320, H.323	H.320, H.323	H.320, H.323	H.323
Video Coding	H.264	H.264, H.263, H.263+, H.263++, H.261	H.264, H.263, H.263+, H.263++, H.261	H.264, H.263, H.263+, H.263++, H.261	H.264, H.263, H.263+, H.263++, H.261	H.264, H.263, H.263+, H.263++, H.261
HD Video	720p	1080i/720p	-	-	-	-
SD Video	-	w4CIF, w432p, wCIF, 4CIF, CIF	4CIF, ISIF, CIF	4CIF, ISIF, CIF	ISIF, CIF	CIF
Max Transmission Speed	IP: 8 Mb/s	IP: 10 Mb/s ISDN: 768 kb/s	IP: 4 Mb/s ISDN: 1920 kb/s	IP: 4 Mb/s ISDN: 1920 kb/s	IP: 2 Mb/s ISDN: 768 kb/s	IP: 2 Mb/s
Audio Coding	G.711, G.722, G.728, MPEG-4 AAC	G.711, G.722, G.728, MPEG-4 AAC	G.711, G.722, G.728, G.722.1, G.723.1, G.729, MPEG-4 AAC	G.711, G.722, G.728, G.722.1, G.723.1, G.729, MPEG-4 AAC	G.711, G.722, G.728, G.722.1, G.723.1, G.729, MPEG-4 AAC	G.711, G.722, G.728, G.729, MPEG-4 AAC
Max Audio Bandwidth	MPEG-4 AAC 44kHz, Stereo	MPEG-4 AAC 22kHz, Stereo	MPEG-4 AAC 14kHz, Monaural	MPEG-4 AAC 14kHz, Monaural	MPEG-4 AAC 14kHz, Monaural	MPEG-4 AAC 14kHz, Monaural
Multi Point Capabilities	4 sites (VA only)	6 sites, 10 sites (cascaded)*1	6 sites, 10 sites (cascaded)*1	6 sites, 10 sites (cascaded)*1	6 sites, 10 sites (cascaded)*1	-
H. 239 Data Sharing*2	-	Video & Presentation Data	Video & Presentation Data/ Video & Video Dual Streaming	Video & Presentation Data/ Video & Video Dual Streaming (reception only)	Video & Presentation Data	Video & Presentation Data
Encryption	H.235, AES Encryption	H.233, H.234, H.235, AES Encryption	H.233, H.234, H.235, Sony Proprietary AES Encryption	H.233, H.234, H.235, Sony Proprietary AES Encryption	H.233, H.234, H.235, Sony Proprietary AES Encryption	H.235, Sony Proprietary AES Encryption
QoS	Enhanced Intelligent QoS™	Enhanced Intelligent QoS	Intelligent QoS	Intelligent QoS	QoS	QoS
Forward Error Correction	•	•	•	•	-	-
Adaptive Rate Control	•	•	•	•	•	•
Real-time Auto Repeat reQuest	•	•	•	•	•	•
Built-in Streaming	-	•	•	•	-	-
Memory Stick™ Recording	-	•	•	•	-	-
Unique Features	Professional Interfaces: HD-SDI Terminal for Video, XLR Terminal for Audio	Video Annotation Function, BrightFace™ Function, Dual Network Interfaces	8-monitor Out H.239 Dual Video Streaming Function	3-monitor Out High-performance Standard	Set-top Configuration Compact and Light in Weight	All-in-one KIOSK Mode Easy Mouse Operation
Dimensions (W x H x D)	440 x 150 x 450 mm (17 3/8 x 6 x 17 3/4 inches)	282 x 56 x 244 mm (11 1/8 x 2 1/4 x 9 5/8 inches)	420 x 70 x 254 mm (16 5/8 x 2 7/8 x 10 inches)	420 x 66 x 254 mm (16 5/8 x 2 5/8 x 10 inches)	258 x 54 x 171 mm (10 1/4 x 2 1/4 x 6 3/4 inches)	424 x 419 x 258 mm (16 3/4 x 16 1/2 x 10 1/4 inches)
Excl. projections, Approx.						
MASS Approx.	13 kg (28 lbs 11 oz)	2.2 kg (4lb 14 oz)	5.3 kg (11 lbs 11 oz)	4.6 kg (10 lbs 2 oz)	1.3 kg (2 lbs 14 oz)	8 kg (17 lbs 10 oz)
Application	Broadcast Interviews, Telepresence, Medical Applications, Distance Learning	Small to Medium-sized Conference Rooms, Telepresence, Distance Learning	Large Conference Rooms, Auditoriums, Executive Conference Rooms	Small to Medium-sized Conference Rooms	Small Conference Rooms, Custom Installations	Personal Use (desktop), SOHOs, Kiosks

*1 Requires optional MCU software **2 Requires optional data solution box, module, or software to send presentation data

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PCS-XG80 HD

High-end full HD solution for business video conferences

- Full HD resolution with 1920 x 1080 pixels
- HDMI and RGB outputs for HD displays
- 6-point multipoint conference with HD resolution 720p
- 1080i (60i/50i) mode for telepresence application
- XGA live transmission with 30fps (H.239)
- Dual IP network for separate LAN and WAN connectivity
- High-quality 22 kHz stereo audio transmission
- Interactive annotation in video and data image
- Recording a video conference onto a Memory Stick
- Streaming the video conference over the network
- Dual video/data emulation on a single monitor
- Max. transmission bandwidth 10 Mbps
- Cascadable EC microphones (up to 80 for each system)
- H.460 Firewall traversal
- H.350 central telephone book (via VMS software)
- AES encryption standard



PCS-HG90 HD

High-end HD solution for broadcast, science and medicine

- H.264 HD transmission with 1280 x 720, 60p/30p
- High-quality audio and video interfaces (BNC XLR)
- 4-point multipoint conference with HD resolution 720p
- 1280 x 720 60p mode for telepresence application
- HD-SDI interfaces for camera or external source
- Component signals for input and output (BNC)
- XGA transmission as input source
- High-quality 14 kHz audio transmission even in MCU operation
- High-quality 22 kHz stereo audio transmission
- Max. transmission bandwidth 8 Mbps
- Cascadable EC microphones (up to 80 for each system)
- AES encryption standard



PCS-G70P

High-end solution for large conference rooms

- All the features of the PCS-G50P plus:
- Dual live video with second video source
 - H + V split screen transmission of two video sources
 - 5 video outputs for each multipoint location
 - Optional tracking camera



PCS-G50P

The mid-range solution for medium-sized and large conference rooms

- High-resolution 4CIF transmission with 704 x 576 pixels
- 3-monitor solution with RGB and S-Video
- 6-point multipoint conference with 4CIF resolution
- Various bandwidths in a single multipoint
- (Speedmatching)
- XGA live transmission of PC presentations or documents (H.239)
- Superb video quality with H.264 even in MCU mode
- High-quality 14 kHz audio transmission even in MCU mode
- Recording a video conference onto a Memory Stick
- Streaming the video conference over the network
- Dual video emulation on a single monitor
- Cascadable EC microphones (up to 80 for each system)
- H.460 Firewall traversal
- H.350 central telephone book (via VMS software)
- AES encryption standard



PCS-1P

The entry-level solution for small and medium-sized conference rooms

- Standard CIF resolution
- Dual monitor solution with RGB and S-Video
- 6-point multipoint conference with 4CIF resolution
- Compact construction with remote camera
- High-quality audio (14 kHz) and video (H.264) transmission
- XGA live transmission of PC presentations or documents (H.239)
- H.460 Firewall traversal
- H.350 central telephone book (via VMS software)
- AES encryption standard



PCS-TL33P

The all-in-one desktop solution for the workplace

- 17" LCD widescreen display
- Multifunction display for PC and videoconferencing
- Integrated digital swivel and tilt camera, loudspeaker and microphone
- High bandwidth in IP network (2 Mbps)
- XGA live transmission of PC presentations or documents (H.239)
- Exceptional 14 kHz audio and H.264 video transmission
- Various window layouts (PinP; PandP)
- Simple mouse operation for both PC and videoconferencing
- User-defined interface (kiosk mode)
- H.460 Firewall traversal
- H.350 central telephone book (via VMS software)
- AES encryption standard
- Can run unattended to direct clients and customers to up to 30 destinations