

PCS-XG77S

HD Videoconferencing System (codec only)



Краткие сведения

Collaborate more efficiently with this easy to use videoconferencing system that's ideal for general business communications and distance learning applications. This HD videoconferencing system offers excellent picture and sound quality, plus versatile collaboration tools and flexible configuration.

Ideal for desktop use, the PCS-XG77S makes virtual meetings more rewarding and lifelike with smooth, detail-packed HD (720p) images from a connected camera (not included) at up to 60 fps, together with clear, natural sounding stereo audio. In addition, 'dual stream' HD video and PC presentations can be shared seamlessly with remote locations at 30 fps.

See camera images plus PC presentations on one or two connected video monitors with a generous choice of screen layout options.

HD conferences can be streamed as live webcasts across your organisation, or recorded to USB memory for easy sharing and review.

Set-up is refreshingly straightforward, with quick booting so you're ready for business even faster. Operation is easy, too: just select a contact using the supplied remote commander to launch your conference at a touch.

Свойства

- **Express yourself with clear HD images**

Communicate more clearly and effectively with smooth, detail-packed video conferences at HD 720p resolution. You'll even enjoy superior picture quality at low bitrates when network bandwidth is limited. Video quality can be readily upgraded to Full HD 1080p by adding the optional PCSA-RXG77.

- **Smooth 30fps dual streaming**

Send dual video streams simultaneously (camera image and PC presentation) at a smooth 30 frames per second (SXGA) in accordance with H.239 standards. The other conference party can see both images simultaneously on two connected monitors. Upgrade to Full HD 1080p with the optional PCSA-RXG77.

- **Instantly recall up to 100 camera positions**

The PCS-XG77 allows instant recall of up to 100 pre-programmed positions from a connected PTZ camera (not included), permitting quick transition from one camera set-up to another.

- **See everything with dual monitor mode**

Support for up to two video monitors (HDMI and DVI-I) allows full-size simultaneous views of video and shared PC presentations.

- **Versatile display options**

See video and shared PC views with choice of screen layout options: Full Screen, PinP, PandP, Side by Side or PandP.

- **High quality audio**

The supplied PCS-A1 microphone enables more natural, lifelike conferences with crisp, clear sound. The codec supports up to 6 microphones. The built-in stereo echo canceller makes speech even more natural-sounding and easier to follow.

- **Easy usability with Video Annotation**

Add an optional tablet/pen interface to sketch notes and highlight your point clearly on shared data presentations.

- **Stable, consistent conferencing**

Enjoy stable transmission of HD video, voice and data with Enhanced Intelligent QoS™ (Quality of Service) Functions that ensure fast, consistent data throughput that adapts transmission to take account of changing network conditions.

- **HD multicast streaming**

Stream videoconferences across your corporate network as 'live' webcasts at 720p resolution for viewing on any networked PC and web browser.

- **USB recording**

Record HD video (720p), voice and PC presentations direct to USB memory for easy storing and sharing.

- **Second camera support**

Add up to two optional PTZ cameras (Sony SRG/BRC/EVI series models), giving greater freedom to ensure every meeting participant is adequately covered – for example when seated around a boardroom table.

- **Highly secure**

Keep your business private, just the way it should be. Support for 128-bit AES encryption ensures safe, highly secure voice/video/data conferences with other compliant systems.

- **Easy operation and quick start-up**

Enjoy simple operation with the attractive, intuitive on-screen interface. Quick start-up from initial switch-on has you ready to start conferencing in less than a minute – far faster than many other systems.

- **One-touch Dialling**

Enjoy the speed and convenience of one-touch dialling with the newly designed RFZ Remote Commander unit that does not have to be pointed directly towards the system. Just browse and select from the thumbnail image any of up to 1000 stored contacts: up to four regularly-accessed contacts can be shown on the home screen.

Технические характеристики

Camera (Optional EVI-H100V camera)	
● Image Sensor	1/2.8-type "Exmor" CMOS image sensor
● Image Sensor (Number of Effective Pixels)	Approx. 3.27 Megapixels
● Output Pixels (H x V)	1920 x 1080
● Frame Rate	29.97 fps
● S/N Ratio	50 dB
● Brightness Control	Auto/Manual
● Zoom Ratio	x240 zoom (x20 optical zoom, x12 digital zoom)
● Focusing System	Auto/Manual
● Horizontal Viewing Angle	Approx. 55.4°
● Focal Length	f = 4.7 mm to 94.0 mm
● F-Number	F1.6 to F3.5
● Pan/Tilt Angle	Pan ±170° / Tilt +90°-20°
● Preset Position	100 positions (Saved in Codec Unit)
● Power Supply	Supplied from Codec Unit
● Other Features	Auto Gain Control, Auto White Balance, Backlight Compensation, Ceiling Mountable (Image Flip), VISCA output to the second camera

Key Features	
● Data Sharing	PC images up to SXGA resolution is supported
● Lip Synchronization	AUTO/OFF
● Mic Off Function	ON/OFF
● Streaming/Recording Feature	HD 720p

Video	
● Maximum Frame Rate	H.261 QCIF 30 fps, CIF 30 fps, H.263 QCIF 30 fps, CIF 30 fps, 4CIF 30 fps H.264 QCIF 30 fps, CIF 30 fps, 4CIF 30 fps, wCIF 30 fps, w432p 30 fps, w4CIF 30 fps, 720p 60 fps
● Communication Protocol Standards	H.261*2, H.263, H.263+, H.263++, H.264, H.264 High profile, MPEG-4 SP@L3
● Resolution	4:3 QCIF (176 x 144), CIF (352 x 288), 4CIF (704 x 576) 16:9 wCIF/w288p (512 x 288), w432p (768 x 432), w4CIF (1024 x 576), 720p (1280 x 720)
● Bit Rate	64 kbps to 4,096 kbps
● Screen Layout	Full Screen, PinP, PandP, SideBySide, PandPandP

Audio	
● Bandwidth and Coding	MPEG-4 AAC Stereo: 22 kHz at 192 kbps (IP only) MPEG-4 AAC Mono: 14 kHz at 48 kbps, 64 kbps, 96 kbps MPEG-4 AAC Mono: 22 kHz at 64 kbps, 96 kbps (IP only) G.711: 3.4 kHz at 56 kbps, 64 kbps G.722: 7.0 kHz at 48 kbps, 56 kbps, 64 kbps G.728: 3.4 kHz at 16 kbps
● Other Features	Stereo echo-cancelling (ON/OFF), Auto Gain Control, Noise Reduction

Network	
● Protocols	TCP/IP, UDP/IP, DHCP, DNS, HTTP, TELNET, SSH, SNMP, NTP, ARP, RTP/RTCP
● QoS (Quality of Service)	Adaptive FEC (Forward Error Correction), Real-time ARQ (Auto Repeat reQuest), ARC (Adaptive Rate Control), IP Precedence, DiffServe
● Other Network Features	Packet reordering, TCP/UDP port setting, NAT, PPPoE, UDP shaping, Encryption, Auto gatekeeper discovery, UPnP, URI Dialing, IPv6

Interface	
● Video Input	External video inputs (DVI-I x 2)
● Video Output	HDMI x 1, DVI-I x 1
● Control Input	RS-232C x 1
● Audio Input	External analog microphone input Mini-jack (Plug in power) x 6 (L/R) HDMI (video, audio) x 1 Audio Input (MIC/AUX) x 2 (Phono jack, stereo)
● Audio Output	HDMI (video, audio) x 1, Line Output (Phono jack, stereo) x 1, REC Output (Phono jack, stereo) x 1
● Network Port	10BASE-T/100BASE-TX/1000BASE-T x 1, ISDN Unit Interface x 1
● USB Slots	2 (Pen Tablet, USB Memory)
● Maintenance Interface	RS-232C x 1

Standard	
● Communication Protocol Standards	ITU-T H.320*1, H.323, IETF SIP
● ITU-T (excluding audio/video standards)	H.231, H.241 H.242, H.243, H.245, H.350, H.460.18, H.460.19
● IETF	RFC2190, RFC3016, RFC3047, RFC3261, RFC3264, RFC3550, RFC3984, RFC4573, RFC4587, RFC4629, RFC4856, RFC4628, RFC5168
● Encryption	H.233, H.234, H.235 ver.3
● Far End Camera Control	H.224, H.281
● Frame Format	H.221, BONDING, H.225.0
● Dual Stream	H.239 (video and presentation data)

General	
● Power Requirements	DC 19.5 V (AC Adapter : AC 100 V to 240 V, 50/60 Hz)
● Power Consumption	58.5W
● Power Consumption (Standby)	23.4W
● Operating Temperature	5°C to 35°C 41°F to 95°F
● Storage Temperature	-20°C to +60°C -4°F to +140°F
● Operating Humidity	20% to 80% (no condensation)
● Storage Humidity	20% to 80% (no condensation)

<ul style="list-style-type: none">● 20% to 80% (no condensation)	Codec: Approx. 370 x 60 x 244 mm (excluding protrusions) Camera unit (optional EVI-H100V): Approx. 145 x 164 x 164mm (excluding protrusions) Codec: Approx. 2.3 kg
<ul style="list-style-type: none">● Mass	Codec: Approx. 2.3 kg Camera Unit (optional EVI-H100V): Approx. 1.55 kg
<ul style="list-style-type: none">● Supplied Accessories	PCS-A1 microphones (2), PCS-A1 microphones (1), AC adapter (1), HDMI cable (3m) (1), RF Remote Commander Unit (1),Batteries for Remote Commander unit (2), CD-ROM (Operating instructions, Before using this unit, Quick connection guide) (1), Before using this unit (1), Installation Guide (1), Quick connection guide (1), Warranty booklet (1), Camera cable (3m) for HD camera (1)
<ul style="list-style-type: none">● 1	H.320 will be available as V1.1
<ul style="list-style-type: none">● 2	H.261 in H.323 will be available as V1.1

Аксессуары

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PCS-A1
Ненаправленный
микрофон



PCSA-B384S
Блок ISDN для системы
видеосвязи серии PCS



PCSA-B768S
Блок ISDN для системы
видеосвязи серии PCS

Камеры для визуализации



SRG-120DH
Камера PTZ Full HD с
дистанционным
управлением