

PCS-XL55

HD Desktop Video Conferencing System



Overview

This all-in-one video conferencing system adds extra style and efficiency to business communications, remote consulting and distance learning applications.

Friendly and easy to use, the desktop-style system includes everything you need to hold video conferences with crisply detailed HD picture quality plus clear, natural sound.

HD camera, microphone, speakers and HD codec are all integrated neatly into a stylish 21.6 inch display. Doubling as a handy PC monitor, the sleek all-in-one cabinet simplifies installation and reduces cable clutter in an office, boardroom or training suite.

The supplied remote commander allows easy one-touch dialling from your contacts list. Conference participants can share smooth, clear video and voice together with presentations from your PC.

For extra flexibility, the PCS-XL55 can also be operated in simple-to-operate 'Kiosk' mode – ideal for unattended services like remote consulting or distance learning.

Features

Crisp, clear HD video conferences

Make every conference more productive with clear, natural High Definition video images at up to 720p resolution. The integrated HD video camera above the main LCD screen assures crisply-detailed picture quality.

Widescreen LCD display

View other conference participants on the system's integrated 21.6-inch LCD. With a generous 80 degree viewing angle, it's equally suitable for use on individual desktops or in small meeting rooms with a number of participants. For extra flexibility, the LCD can also be used as a normal PC screen.

Superb audio quality

Conferences are more natural and lifelike with crisp, clear stereo sound. The built-in echo canceller makes speech even more natural-sounding and easier to follow.

Privacy when you need it

As an extra refinement, the integrated camera can be closed off by a privacy shutter if you don't want others to see you when a call comes through.

Smooth, natural video and data presentations

Send video, voice and presentation data displayed on your PC to other videoconferencing participants. With support for industry standards (ITU-T H.239), presentation data can be sent at frame rates as high as 30fps for smooth, natural-looking presentations – even when you're using animation effects or showing videos on your PC.

Kiosk mode

The PCS-XL55 is also ideal for services such as distance learning or remote consulting. Kiosk mode offers a simplified user interface for user-friendly 'unattended' operation that can be easily customised by system integrators.

Multi-point conferences made simple

Communicate with up to two other remote videoconferencing sites simultaneously (three sites in total), using either IP or ISDN network connections.

Stable, consistent conferencing

Enjoy stable transmission of 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.

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 usability with Video Annotation

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

Fuss-free setup and operation

Enjoy simple operation and control with the attractive, intuitive on-screen interface.

One-touch Dialling

Enjoy the speed and convenience of one-touch dialling with the newly designed RF 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.

Light, stylish all-in-one design

The compact, integrated design of the PCS-XL55 makes an ideal complement for any boardroom, meeting room or training/learning suite. The light, all-in-one cabinet also allows easy transportation from room to room.

Specifications

Camera

Image Sensor	1/3.2-type 8 Megapixels CMOS image sensor
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Image Sensor (Number of Effective Pixels)	6 Megapixels
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Output Pixels (H x V)	1280 x 720
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Frame Rate	30 fps
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S/N Ratio	50 dB
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Brightness Control	Auto/Manual
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Zoom Ratio	x3 digital zoom
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Focusing System	Auto/Manual
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Horizontal Viewing Angle	80.1°
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Vertical Viewing Angle	62.7°
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Focal Length	f = 2.9 mm
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F-Number	F2.8
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Minimum Object Distance	80 mm
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Preset Position	100 positions
Other Features	Auto Gain Control, Auto White Balance, Backlight Compensation

Key Features

Multipoint Capability	Up to 3 sites (H.320/H.323)
Data Sharing	PC images up to SXGA resolution is supported. Video annotation function is available.
Lip Synchronization	AUTO/OFF
Mic Off Function	ON/OFF
Streaming/Recording Feature	Audio: 64 kbps Video: 0 kbps to 512 kbps (5-step)

Video

	H.264 - 720p
Maximum Frame Rate	H.261 - QCIF, CIF H.263 - QCIF, CIF H.264 - QCIF, CIF, 4CIF, wCIF, w432p, w4CIF

	H.263 - 4CIF
Communication Protocol Standards	H.261, 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

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
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Other Features	Stereo echo-cancelling (ON/OFF), Auto Gain Control, Noise Reduction
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Display

Size	21.6-inch
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Aspect Ratio	16:9
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Resolution	1366 x 768 (WXGA)
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Brightness	270 cd/m ²
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Response Time	6.5 ms
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Contrast Ratio	2500:1
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Horizontal Viewing Angle	176°
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Number of Colors	16.7 M Colors
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Network

Protocols	TCP/IP, UDP/IP, DHCP, DNS, HTTP, TELNET, SSH, SNMP, NTP, ARP, RTP/RTCP
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QoS (Quality of	Adaptive FEC (Forward Error Correction), Real-time ARQ (Auto Repeat reQuest), ARC (Adaptive
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Service)	Rate Control), IP Precedence, DiffServe
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Other Network Features	Packet reordering, TCP/UDP port setting, NAT, PPPoE, UDP shaping, Encryption*4, Auto gatekeeper discovery, UPnP*1, URI Dialing, IPv6
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Interface

Video Input	AUX video input (RGB x 1)
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Video Output	RGB x 1
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Control Input	RS-232C x 1
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Audio Input	AUX Mic Input L/R x1(Analog, Plug-in power), AUX Input (Mini, Stereo) x1
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Audio Output	Headphone Output (Mini, Stereo) x1, REC Output (Pin, Stereo) x1
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Network Port	10BASE-T/100BASE-TX x 1, ISDN Unit Interface x 1
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Memory Stick Slots	1
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Others	Tablet Interface x 1
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Standard

Communication Protocol Standards	ITU-T H.320, H.323*2, IETF SIP
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ITU-T (excluding audio/video standards)	H.231, H.241 H.242, H.243, H.245, H.350, H.460.18, H.460.19
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IETF	RFC2190, RFC3016, RFC3047, RFC3261, RFC3264, RFC3550, RFC3984, RFC4573, RFC4587, RFC4629, RFC4856, RFC4628, RFC5168
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Encryption*4	H.233, H.234, H.235 ver.3
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Far End Camera Control	H.224, H.281
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Frame Format	H.221, BONDING, H.225.0
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Dual Stream	H.239 (video and presentation data)
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General

Power Requirements	DC 19.5 V (AC Adapter : AC 100 V to 240 V, 50/60 Hz)
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Power Consumption	115 W (Max.)
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Power Consumption (Standby)	15.5 W (Max.)
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)
Dimensions (W x H x D)*3	557 x 456.5 x 214 mm (including stand) 22 x 18 x 8 1/2 inches (including stand)
Mass	Approx. 8.2 kg Approx. 18 lb 1oz
Supplied Accessories	AC adaptor (1) Power cord (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) Quick Connection Guide/Remote

Commander Guide (1)
Important notice regarding software (1)
Warranty Booklet (1)

Notes

Note

[*1] It is unavailable depending on the model.

[*2] Interoperable with other manufacturer's endpoint which is compliant to H.323/H.320. It does not mean that all connections are guaranteed.

[*3] The values for dimensions are approximate.

[*4] Encryption is not available in the models supplied in some regions. Please consult with local representative.

Related products



PCS-MCS1

HD Multipoint Control Unit (MCU) System



PCS-XC1

Portable wireless HD video conferencing system



PCS-XG77S

HD Videoconferencing System (codec only)



PCS-XG100S

Full HD Videoconferencing System (codec only)

Gallery



