

# PCS-XC1 Full-HD Videoconferencing system

Bringing people  
and ideas together



## Key Features

**Live data sharing:** Connect to a PC to share on-screen slide presentations, documents or videos. Add an optional wireless pen/tablet to make on-screen annotations for extra emphasis. Record directly to USB for easy storage and sharing.

**Compact, highly portable:**

An all-in-one solution combining videoconferencing system, colour HD camera, 'codec' for efficient data compression and faster transmission, plus integrated Wi-Fi (optional extra).

**Optional wireless:** Integrated Wi-Fi (license required) provides even greater freedom in your communication and collaboration.

**Quick and easy:** Simple, fast set-up and easy operation.

## Portable videoconferencing, wherever you are

The world of communications is evolving, and so is the way we work. The portable PCS-XC1 enables high quality videoconferencing wherever there's a network connection, so you and your colleagues can collaborate remotely and securely, via smartphone, tablet or laptop.

Use it for ad-hoc conferencing in small office break-out rooms, classrooms or in a hotel. Enable remote medical consultations to take place, virtually taking the doctor from patient to patient and empower greater co-operation between a construction site and architect. The possibilities are endless.

## Full HD detail, crisp audio; Supports Microsoft Lync™

From business to higher education, public sector to medical, it's the perfect solution for effective and spontaneous professional communication. Full HD resolution can be achieved with an optional license and clear, crisp audio delivers in critical applications like healthcare and broadcasting, while support for popular unified communication solutions such as Microsoft Lync™ (available soon) ensures seamless collaboration.

## Features

**Light, compact and highly portable**

Hold videoconferences virtually anywhere, even in small meeting rooms where space is at a premium. All-in-one design allows easy portability and quick set-up without specialist technical knowledge.

**High quality HD pictures, even in low light**

The camera's highly sensitive Exmor CMOS image sensor captures detailed HD video (720p) at a smooth 60 frames per second – even in poorly lit meeting rooms. An optional Full HD (1080p) upgrade allows even higher picture quality in critical applications.

**Pan/tilt/zoom camera with wide field of view**

The pan/tilt/zoom camera can be controlled remotely with the supplied remote commander. A wide maximum viewing angle ensures every conference participant can be seen clearly.

**High clarity in any lighting condition**

Sony's advanced View-DR technology expands dynamic range to accommodate extremes of contrast in the same scene, e.g. when a presenter's face is backlit by a sunny window.

**Crisp, clear digital audio**

The PCS-A1 microphone can be connected for even crisper digital sound. Its echo-cancelling feature ensures every participant is heard loud and clear.

**High-efficiency coding and intelligent QoS**

The PCS-XC1 supports the H.264 High Profile video coding scheme. Intelligent QoS (Quality of Service) adapts to network conditions, allowing a high-quality experience with fewer dropped frames and frozen pictures – even over low-bitrate network connections.

**Easy wireless networking**

In-built Wi-Fi (which requires optional license) for easy connection to any local wireless network (WLAN) – in conference rooms, classrooms, hotel suites or meeting spaces.

**Simultaneous data sharing**

Enrich videoconferences by sharing live presentations and other material with SXGA (with possibility to upgrade to 1080p) quality from a connected PC. Data and main video images can be viewed simultaneously on a single monitor at the remote site, with a choice of split-screen and PIP (Picture in Picture) options.

## PrimeSupport

**PrimeSupport for extra peace of mind**

To keep you up and running, PCS-XC1 video conferencing system comes as standard with a 3-year PrimeSupport package. This includes repair or replacement in the event of a faulty unit, plus free telephone helpdesk support in English, German, French, Italian and Spanish. For full details please visit [www.pro.sony.eu/primesupport](http://www.pro.sony.eu/primesupport)

**Record conferences on USB memory**

No need for additional recording hardware: HD video and audio can be stored directly onto a USB flash memory device for easy sharing.

**HD streaming**

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

**Add video annotations**

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

**One-touch dialling**

Simply pick a contact from the integrated address book and launch a conference with a single touch.

**Intuitive operation with handy remote**

Operating the PCS-XC1 is easy with its intuitive user interface. Use the supplied RFZ remote commander to launch conferences, control the camera and adjust other settings.

**Stay connected**

Easy, wireless videoconferencing from your tablet or smartphone with PCS-MEP with optional software (compatible with iOS and Android).



A photograph of three business professionals (two men and one woman) in profile, smiling and looking towards the right. They are wearing light blue button-down shirts. The background is bright and out of focus.

Ideal for:

- Mission-critical business communications
- Virtual meetings and collaborative projects
- Higher Education
- Distance learning and training
- Remote working
- Medical consulting
- Remote broadcast interviews

Energise your business  
communications with smarter,  
more satisfying collaboration

## Specifications

PCS-XC1	
Camera (SRG-120DH)	
Image Sensor	1/2.8-type "Exmor" CMOS image sensor
Output Pixels (H x V)	1920 x 1080
Frame Rate	59.94 fps
S/N Ratio	50 dB
Brightness Control	Auto/Manual
Zoom Ratio	x1.44 zoom (12X optical zoom, 12X digital zoom)
Focusing System	Auto/Manual
Horizontal Viewing Angle	Approx. 71°
Focal Length	f = 3.9 mm to 46.8 mm
F-Number	F1.8 to F2.0
Pan/Tilt Angle	Pan ±100°/Tilt +25°
Preset Position	100 positions
Power Supply	Supplied from View-DR Codec Unit
Other Features	Auto Gain Control, Auto White Balance, Backlight Compensation
Key Features	
Data Sharing	PC images up to 1080p resolution is supported. (with option) Video annotation function
View-DR Function	Yes
Lip Synchronization	AUTO/OFF
Mic Off Function	ON/OFF
Streaming/Recording Feature	HD 720p
Video	
Maximum Frame Rate	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, 1080p 60 fps (with option)
Communication Protocol Standards	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), 1080p (1920 x 1080) (with option)
Bit Rate	64 kbps to 4,096 kbps
Screen Layout	Full Screen, PinP, PandP, SideBySide, PandPandP
Audio	
Bandwidth and Coding	MPEG-4 AAC Mono: 11 kHz at 64 kbps, 96 kbps MPEG-4 AAC Mono: 22 kHz at 64 kbps, 96 kbps 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	Monaural 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 input (HDMI x 1)
Video Output	HDMI x 1
Control Input	mini USB x1
Audio Input	External analog microphone input Mini-jack (Plug in power) x 1
Audio Output	HDMI (video, audio) x 1
Network Port	10BASE-T/100BASE-TX/1000BASE-T x 1
USB Slots	2 (Pen Tablet, USB Memory)
Maintenance Interface	-
Standard	
Communication Protocol Standards	ITU-T H.323, IETF SIP
ITU-T (excluding audio/video standards)	H.245, H.460.18, H.460.19
IETF	RFC2190, RFC3016, RFC3047, RFC3261, RFC3264, RFC3550, RFC3984, RFC4573, RFC4587, RFC4629, RFC4856, RFC4628, RFC5168
Encryption	H.235 ver.3, H.241, H.243
Far End Camera Control	H.281
Frame Format	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	26 W (typical)
Power Consumption (Standby)	TBD
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)	Approx. 206 x 174 x 152 mm
Mass	Approx. 1.8kg
Supplied Accessories	PCS-A1 microphones (1), AC adapter (1), HDMI cable (3m) (1), RF Remote Commander Unit (1), Before using this unit Installation Guide (1), Warranty booklet (1)

## Optional Accessories

### PCS-MEP

IPELA Communication Mobile app for Android, iPhone®, iPad®, iPad Air™ and iPad mini™



For full features visit [www.pro.sony.eu/products/visual-communications](http://www.pro.sony.eu/products/visual-communications)

© 2015 Sony Corporation. All rights reserved. Reproduction in whole or in part without permission is prohibited. Features and specifications are subject to change without notice. All non-metric weights and measurements are approximate. "Sony" and "BrightEye" are registered trademarks or trademarks of Sony Corporation. All other trademarks are the property of their respective owners.

Distributed by

Sony is the leading supplier of AV/IT solutions to businesses across a wide variety of sectors including, **Media and Broadcast, Video Security, Medical, Digital Cinema and Displays**. It delivers products, systems and applications to enable the creation, manipulation and distribution of digital audio-visual content that add value to businesses and their customers. With over 25 years' experience in delivering innovative market-leading products, Sony is ideally placed to deliver exceptional quality and value to its customers. Collaborating with a network of established technology partners, Sony delivers end-to-end solutions that address the customer's needs, integrating software and systems to achieve each organisation's individual business goals. For more information please visit [www.pro.sony.eu](http://www.pro.sony.eu)

Follow us on Twitter at [@SonyProEurope](https://twitter.com/SonyProEurope) / [www.twitter.com/sonyproeurope](https://www.twitter.com/sonyproeurope)

HCT\_PCS-XC1\_Datasheet\_J3641\_UK\_17/12/14

**SONY**