

# PCS-XC1 Full-HD Videoconferencing system

Bringing people  
and ideas together



## Key Features

### PTZ colour video camera:

The high quality pan/tilt/zoom camera makes virtual meetings more natural and immersive, even in low light or against harsh backlighting where other VC systems struggle. For critical applications such as healthcare and broadcasting, the system can be optionally upgraded to support even higher-quality Full HD 180p video at 60 frames per second.

**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. Conferences can also be recorded directly to USB for easy storage and sharing.

### Compact, highly portable:

Everything's included – colour HD camera, codec and integrated Wi-Fi (requires optional license). It's easy to connect to wireless networks in any office, hotel, classroom or meeting space.

## Hold high-quality videoconferences, easily, wherever there's a network connection available

The PCS-XC1 portable videoconferencing system with colour video PTZ camera and optional wireless capability (license required) enhances collaboration, so business, higher education and public organisations can communicate more effectively and spontaneously.

### Supports Microsoft Lync™

The PCS-XC1 is a great complement to unified communications solutions such as Microsoft Lync™. This allows you to connect to videoconferences securely via mobile devices like your smartphone or tablet when you're out and about. (Available from early 2015)

### Pin-sharp pictures, crisp audio

Quick and easy to set up, this all-in-one system lets conference participants share crystal clear sound and smooth, finely-detailed HD images over the internet with colleagues anywhere in the world.

## 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 optional 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**

Broadcast conferences live to one or more remote sites, with Multicast or Unicast streaming of HD video and voice via USB.

**Add video annotations**

Add an optional wireless pen and tablet to make live, on-screen video annotations to presentation slides, documents and more.

**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**

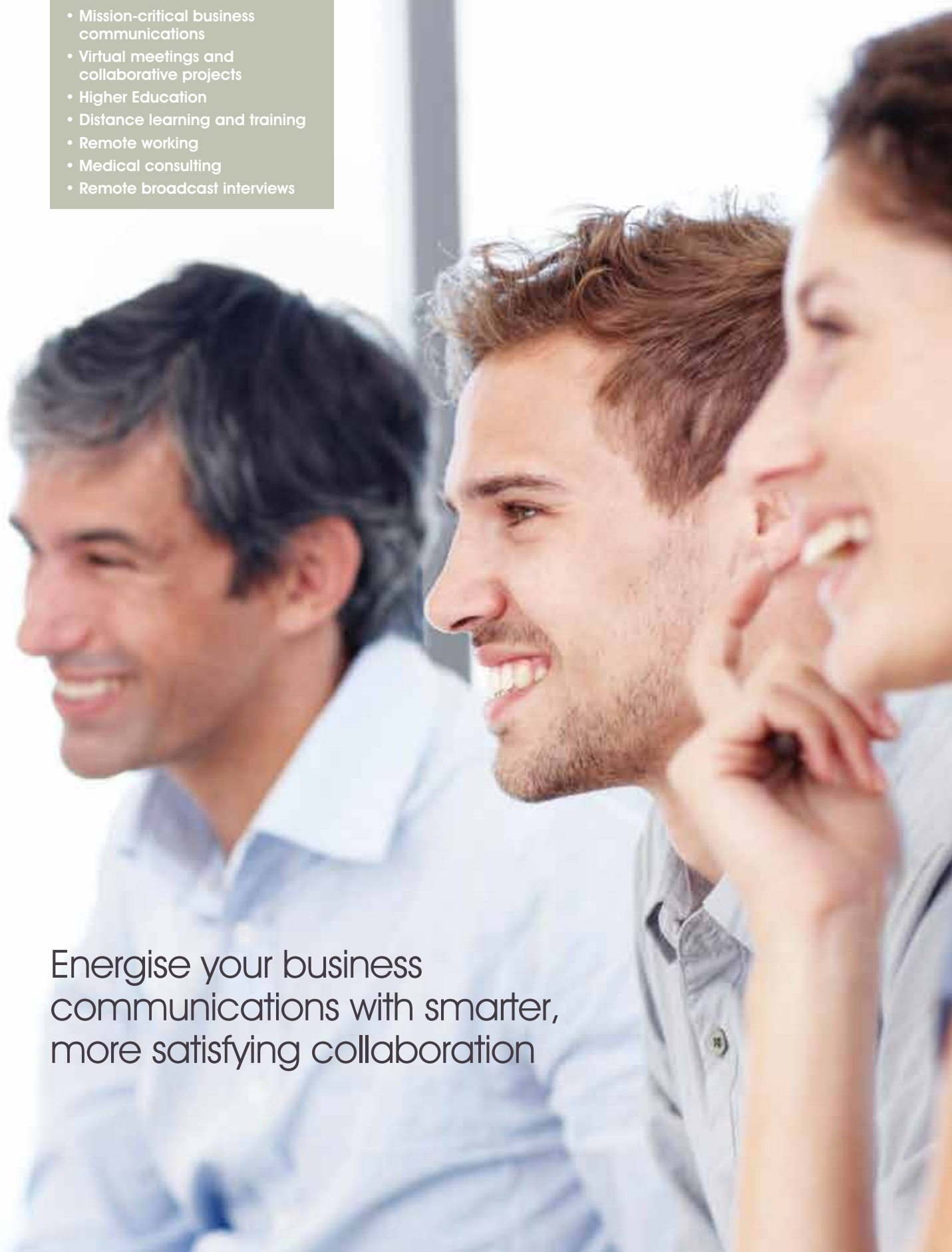
Operating the PCS-XC1 is easy with its intuitive user interface. Use the supplied RFZ remote commander to launch conferences, control the camera and adjust other settings.



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 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: 14 kHz at 48 kbps, 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
	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.233, H.234, H.235 ver.3
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) (PCS-XG100), AC adapter (1), HDMI cable (3m) (1), RF Remote Commander Unit (1), Installation Guide (1), Warranty booklet (1)

## Optional Accessories

**PCS-A1**  
Omnidirectional Microphone



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

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