

Industry Choice Camera

Providing fast, reliable and quiet operation, the Sony-developed pan/tilt/zoom high-speed video camera offers an impressive array of innovative features like a 10X auto focus lens with a 40X zoom ratio, auto white balance, automatic exposure control, auto sleep, six-preset positions with battery back up, and a 65 degree horizontal angle view.

Quality of Service

Maintaining picture quality is paramount when conducting a videoconferencing meeting. Sony's Adaptive Rate Control (ARC) feature automatically adjusts picture quality to changing network conditions while the Auto Repeat reQuest (ARQ) feature helps to avoid picture collapse by recovering and resending lost packets.

Built-In Microphone

A leader in the audio conferencing market, Sony has transferred that expertise into the built-in microphone to provide superb sound quality making the videoconference audio sound natural, clear and crisp.

**Feature Rich, Standards Based**

Incorporating the latest interlaced video technology (60 fps) and H.264 coding, the PCS-1 presents up to 2Mbps over IP or 768Kbps in ISDN while offering a 6-site H.320 & H.323 MCU, capable of cascading up to 10 locations. And now users can bridge videoconferences between ISDN and IP units. The PCS-1 also offers the protection of AES encryption.

Memory Stick® Media Support

Data sharing in a videoconference is easier than ever with optional Memory Stick media, allowing presentation documents and photos to be displayed in 4CIF format without connecting to a computer. The displayed graphics can even be transferred to remote sites.

The Ideal Collaboration Tool For Clear, Concise Meetings

Collaboration is the cornerstone for any successful meeting and Sony has combined superb audio and video quality into an easy-to-use, affordable videoconferencing system — ready to make your next meeting a winner. Delivering television-like picture quality, and offering a variety of choices to incorporate presentation material, the PCS-1 will improve the way your organization communicates allowing you the opportunity to accomplish your objectives and goals and enjoy productive meetings that provide results.

PCS-1 Features

Data-Sharing Capabilities: Share computer or handwritten material through the PCS-1 in real time to remote sites for faster, more succinct presentations — without spending additional time e-mailing or faxing information.

Flexible Installation: The PCS-1's unique two-piece design affords you the ability to accommodate any installation requirement for a meeting room layout designed to your tastes. From corporate board rooms to small offices, the PCS-1 is the right fit.

Superb Audio Quality: With advanced audio coding at 14kHz and MPEG-4 compliant, the PCS-1 emits superb audio quality on a point-to-point videoconference via a network with double the bandwidth frequency of conventional audio encoding.

State-Of-The-Art Video Quality: Equipped with encoding capabilities compliant with the ITU-T H.264 standard for network-based videoconferencing, the PCS-1 incorporates Sony's core technology for video excellence and can reach up to 2Mbps and 30 frames per second.

Multi-Point Videoconferencing: Connect up to six sites in continuous presence using any combination of ISDN or IP connections with the optional multi-point software. For IP-only conference calls, users can connect up to ten sites by using two PCS-1 units with optional multi-point software.

Quality of Service Enhancement: Utilizing built in technology for unparalleled videoconferencing, Sony's QoS technology results in minimal interruptions and better performance while conferencing on the public Internet or on LAN/WAN networks.

State-Of-The-Art Security: Protecting the security of private information discussed on an IP conference call through the industry-standard Advanced Encryption Standard (AES) is a standard feature on the PCS-1 giving users a high-end feature without the high-end price.

Multiple Camera and Microphone Support Easy Upgrades: The PCS-1 offers an optional second camera and microphone designed to meet any requirement for a large room installation or room design requisites. Users have full control over the second camera for a more flexible meeting.

VIDEO

Signal system	NTSC
Standards	H.261, H.263, H.263+, H.263++, H.264, MPEG-4@L3
Resolution	QCIF, CIF, Interlaced SIF
Frame rate	Max. 30 frames/second
Bit rate	Up to 768Kbps in H.320 (incl. audio) Up to 2Mbps in H.323 (incl. audio)

AUDIO

Bandwidth and coding	G.711: 3.4kHz at 56/64Kbps
	G.722: 7.0kHz at 48/56/64Kbps
	G.722.1: 7.0kHz at 24Kbps (H.323)
	G.728: 3.4kHz at 16Kbps
	G.723.1: 3.4kHz at 5.3/6.3Kbps (H.323)
	G.729: 3.4kHz at 8Kbps (H.323)
Echo cancellation	MPEG-4 AAC mono 14kHz at 64 and 96Kbps (H.323) (line and mic)
	Reduction rate: 30 dB Echo path length: 340 ms (4kHz and below) 110 ms (4 to 8kHz) 56 ms (8kHz and above) Noise suppressor included Automatic gain control included

GRAPHICS

XGA: 1024 pixels x 768 lines (H.263)
4CIF: 704 pixels x 576 lines (H.261 Annex D and H.263 Base)

PICTURE IN PICTURE

Sub screen size: 1/9 (one of four corners)
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ITU-T STANDARDS

H.320, H.323
H.221, H.239
Bonding
H.281 FECC
H.225.0
H.245
T.120

NETWORK PROTOCOLS

TELNET (Server)
HTTP (Server)
FTP (Server)
SNMP (Agent)
PING
DNS (Client)
DHCP (Client)
RTCP
RTP
TCP
ARP

MULTI-POINT CAPABILITIES

Up to 6 sites (H.323)
Up to 6 sites (H.320)
Up to 10 sites (H.323)*
Up to 6 sites (H.323 and H.320 combined)

LIP SYNCHRONIZATION

Manual On/Off

CAMERA UNIT

Image sensor	1/4 type CCD
Horizontal resolution	470 TV lines
Focal length	3.1 to 31 mm (F1.8 to 2.9)
Focus	Auto/Manual
Iris	Auto
Horizontal view angle	6.6 to 65 degrees
Zoom ratio	x10 (optical zoom), x40 (digital zoom)
Pan angle	Minus 100 to plus 100 degrees (max. 300 degrees/second)
Tilt angle	Minus 25 to plus 25 degrees (max. 125 degrees/second)
Preset	Up to 6 positions
S/N	More than 50 dB
Others	Back light shooting

*Two PCS-1 units with PCS-323M1 installed must be used.

REMOTE COMMANDER® UNIT

Format	Wireless SIRCS
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I/F OF PCS-1

Video	S-video input x 1
	Composite input x 1
	S-video output x 2
	Composite output x 1
	RGB output x 1
	IR for PCS-DS150 x 1
Audio	Line input (RCA) x 1
	External microphone input (plug in power) x 2
	Line output (RCA) x 2
	Internal microphone x 1
Graphics	RGB (XGA) output x 1
Network	10Base-T / 100Base-TX x 1
Digital whiteboard	Dedicated Connector (mimio Xi™) x 1
Memory Stick	Memory Stick media slot x 1
Control	RS-232C / VISCA™ (mini-DIN 8-pin) for second camera x 1
	IR for Remote Commander unit x 1

I/F OF PCS-DSB1

Audio I/F	Microphone input (mini jack) x 5
	Line output (mini jack) to active speaker x 1
	AUX input (RCA) x 1
	AUX output (RCA) x 1
	RGB (XGA, SVGA, VGA) input x 2
Graphics	RGB (XGA) output x 1

I/F OF PCS-B768

ISDN: BRI (basic rate interface) x 6

ENVIRONMENT

Operating temperature	5°C to 35°C
Operating humidity	30% to 70%
Storage temperature	minus 20°C to plus 55°C
Storage humidity	25% to 75%

POWER REQUIREMENT & CONSUMPTION

Requirement	AC 120 V, 50/60Hz
Consumption	DC 19.5 V, 3.5A

DIMENSIONS AND WEIGHT

Communication terminal	10.25(W) x 2.25(H) x 6.75(D) in., 2.875 lbs.
Camera unit	5.875(W) x 5.125(H) x 5.5(D) in., 2.5 lbs.
Remote Commander unit	2(W) x 1(H) x 7.75(D) in., .375 lb. (incl. battery)

SYSTEM COMPONENTS & SUPPLIED ACCESSORIES

Communication terminal x 1
Camera unit x 1
Remote Commander unit x 1
Camera cable (0.25 m) x 1
AC adaptor x 1
IR repeater x 2
Manganese battery for Remote Commander unit x 2
Velcro for communication terminal x 2
Double-faced tape for camera unit x 3
Audio cable (1.0 m) x 1
S-video cable (1.5 m) x 1
Operation manual x 1
Warranty card (x1)

NETWORK CERTIFICATIONS

Cisco AVVID™
Gloup™

SONY®

Sony Electronics Inc.
1 Sony Drive
Park Ridge, NJ 07656
www.sony.com/conferencesolutions
VC-0106

