

# Polycom® iPower™ 900Series

The ultimate collaboration solution.



Product Data Sheet

Video

## Feature Highlights

Natural, intuitive meetings – just like being there

Best ever videoconferencing – near TV quality video and CD-like audio

Simple, powerful, data sharing – spreadsheets, documents, models, the Web and more

ImageShare™ – add a laptop to the meeting at the touch of a button

People and information simultaneously – no need to lose eye contact

Easy to use – familiar point and click user interface

Open architecture system – integrate virtually any business application

Highly flexible – adapts to any room environment and offers the widest selection of peripheral connectivity

Designed for increased usage – on and off the call

PC-based, with power to spare and maximum flexibility

Powerful, flexible and versatile, the open-PC based iPower 900 lets you share data, build knowledge and make decisions, naturally.

### Imagine the most powerful and flexible collaboration system

One where you and your distant colleagues sit around the table sharing data, watching expressions, building consensus – yes, even having arguments if you must – as you reach agreement, make plans and reach decisions together. Enjoy feature-rich collaboration without the unnatural gaps, pauses and worries of traditional videoconferencing. The amazing quality of the iPower 900 makes even simple calls noticeably better and really shines when the situation calls for more complex teamwork. Whatever your needs and meeting style, the iPower 900 brings dramatic improvements in communication, productivity and effectiveness.

### Make the technology work for you

iPower, a new PC-based collaboration architecture co-developed with Intel®, imitates how real groups work, face to face. From the start, iPower was designed to support seeing, hearing and sharing – with information coming from a laptop, a local network, the Web or other devices like document cameras.

Integrate whatever you need into the discussion quickly and easily, so you can all focus on the content of the meeting, not the technology. Of course, if everyone is in the same room, you can still use the iPower 900 off the call. Access information from the system itself or simply plug in your laptop and share your files.

### Easy to use with ultimate performance

Easy to use with ultimate performance. The iPower 900 is packed with features. People+Content™ puts motion first for viewing people and puts resolution first for information. Dual Images™ lets you see both the people and the information live all the time, irrespective of where your data is coming from. Pro-Motion™ offers interlaced video for TV-quality images. Siren™ 14 delivers CD-like audio. ImageShare provides the easiest way ever to get laptop content into your meeting – just plug in, press the blue button and you are connected. Choose what you want to show and when you want to show it; then everyone will see it in any location, at native resolution, with real-time motion.

## Technical Specifications

### Audio, Video and Data Specifications

ITU-T H.320 and H.323 compliant

#### Audio

14 kHz with Siren™ 14  
7 kHz with PT716plus, PT724, G.722.1, G.722  
3.4 kHz with G.711, G.723.1, G.728, G.729  
Integrated Dynamic Echo Cancellation (IDEC™)  
Automatic Gain Control (AGC)  
Automatic Noise Suppression (ANS)

#### Video

H.261, H.263, H.263+, H.263++

#### Data

T.120, Integrated Microsoft NetMeeting™  
H.281 far-end camera control for H.320  
Annex Q far-end camera control for H.323  
H.243 multipoint

#### People video resolution

FCIF, QCIF, 30 fps at 256 kbps and above  
Pro-Motion™ interlaced video (H.263 Annex W) at 336 kbps and above

#### Content video resolution

XGA (1024x768), SVGA (800x600),  
VGA (640x480) for PC content  
4CIF, NTSC, FCIF for S-Video or composite inputs

#### People+Content™ features including:

Dual Images (view people and high-resolution content simultaneously)  
Synchronized content ("what you see, they see")  
Persistent previews (video thumbnails)  
Customizable video source labels  
Auto-sensing inputs

### System Connections

#### Video input

Main camera: 8-pin mini DIN (PTZ) – People  
Auxiliary: 8-pin mini DIN (PTZ) – People or RCA or S-Video via adapter – Content  
Video content (document camera, etc.): 4-pin mini DIN – Content  
PC/laptop input (via ImageShare): 15-pin D sub – Content  
VCR (RCA) – Content

#### Audio input

1 microphone input (PowerMic), daisy-chained up to 4; or line-level (RCA) via adapter  
1 PC audio input (3.5 mm on ImageShare)  
1 VCR input (3.5 mm)

#### Video output

Main display/content display: SVGA or XGA (15-pin D sub)  
People display: NTSC or PAL (S-video or composite)  
VCR output (RCA)

#### Audio output

Main audio Right and Left (3.5 mm)  
VCR output (3.5 mm)

#### Network interface

IP (LAN, DSL, Cable Modem), Ethernet 10/100, up to 4 Mbps  
ISDN, Quad BRI S/T, up to 512 kbps  
V.35/RS-449 with RS-366 dialing, up to 2 Mbps  
Voice-only and voice-add calls over ISDN and IP

### System Components

#### Computer system

Pentium III, 128 MB RAM  
4 dedicated DSP chips for conferencing application  
Windows 2000 Professional  
20 GB hard disk, 40x CD-ROM, 3.5" floppy drive  
Ethernet 10/100 interface  
2 RS-232, 1 parallel, 2 USB ports

#### ImageShare (with iPower 970)

##### Laptop/PC connectivity device:

Video input up to XGA (1024x768) (15-pin D sub)  
Audio input (3.5 mm)  
Projector output (15-pin D sub)  
Pass-through video output (15-pin D sub)

#### Limelight camera (with iPower 970)

*Silent, motorized pan-tilt-zoom camera, with automatic camera pointing including "dialog mode"*  
Tilt range: +15o/-30o, Pan range: +/-100o  
Horizontal field of view: 66o  
Total field of view: 266o  
Horizontal resolution: 430 HTVL  
Zoom range: 12x

#### Standard camera (with iPower 960)

*Silent, Motorized pan-tilt-zoom camera*  
Tilt range: +15o/-30o, pan range: +/-100o  
Horizontal field of view: 66o  
Total field of view: 266o  
Horizontal resolution: 430 HTVL  
Zoom range: 12x

#### PowerMic

Smart microphone, which electronically locates the person speaking, anywhere within a full 360o radius (included, up to four total)

#### Wireless keyboard

Infrared wireless keyboard with trackball for point-and-click functionality and data collaboration

#### Remote control

Infrared remote control for video-conferencing functionality

### Internal Multipoint

#### Optional multipoint calling over IP (H.323)

Local site plus three video sites at 768 kbps each  
Simultaneous voice-add over ISDN/IP  
Voice-activated or continuous-presence modes  
H.261, H.263, H.263+  
G.722, G.723.1, G.711

People+Content features: content up to XGA, synchronized content  
T.120 data collaboration

### Peripheral Options

Integrated interactive whiteboard  
Integrated electronic whiteboard  
NTSC/PAL or XGA document cameras  
Super bright XGA high-performance projectors

#### With iPower 970

High-end roll-about cart with integrated Bose speaker, enclosed storage compartment and power strip  
34" XGA monitor for content  
34" NTSC/PAL monitor for people display

#### With iPower 960

Basic roll-about cart  
29" XGA monitor for content  
29" NTSC/PAL monitor for people display

### Network Infrastructure

#### Browser-based management

Complete system management via Web browser, including:  
Call control  
Board diagnostics  
Usage statistics

#### Enterprise systems management

Support for Polycom Global Management System, SNMP and LDAP

### iPower Control Protocol

RS-232 serial control  
Application interface (Active-X) for Visual Basic, Visual C++ software development  
Supports Crestron and AMX control systems

### System diagnostics

Built-in ISDN bit-error rate tester (BERT) application  
Board diagnostics  
Readiness monitoring  
Compatible with standard PC diagnostic tools

### Electrical

Auto-sensing power supply 110/220 Vac, 50/60 Hz

### Languages

User interface, on-line help, and documentation available in English, Japanese, German, French, Spanish, Portuguese, Italian and simplified Chinese

### Warranty

#### Hardware

One year parts and labor (return to factory)

#### Software

90 days telephone support



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