

Polycom® iPower™ 900

The ultimate collaboration solution.

BENEFITS

- 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. 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.



iPower™ 900 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 Dsub)
- 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: +15°/-30°, Pan range: +/-100°
- Horizontal field of view: 66°
- Total field of view: 266°
- Horizontal resolution: 430 HTVL
- Zoom range: 12x

Standard camera (with iPower 960)

Silent, Motorized pan-tilt-zoom camera

- Tilt range: +15°/-30°, pan range: +/-100°
- Horizontal field of view: 66°
- Total field of view: 266°
- Horizontal resolution: 430 HTVL
- Zoom range: 12x

PowerMic

- Smart microphone, which electronically locates the person speaking, anywhere within a full 360° 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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