

Polycom® iPower™ Executive

Complete visual communication system



Benefits

Stylish design without sacrificing quality –

The sleek and stylish design provide video collaboration on the desktop with the power of a room system.

Best audio and video quality – Siren™ 14 audio brings the highest audio fidelity for the most natural conferencing experience. Pro-Motion™ interlaced video delivers most natural video.

Maximum choice of controls – Familiar point-and-click user interface gives users quick start on video collaboration. Wireless pen-based tablet brings new levels of interaction to the conferencing experience.

Increased ROI with Off-the-Call usage – Improve productivity for every meeting whether in a video call or not. Access information from the system itself or simply plug in a laptop and share files.

Complete multimedia capabilities – People+Content streaming provides full experience of the meeting to participants in nonvideo equipped locations. Meetings can now be recorded and stored digitally for future viewing with Digital Conference Recording. For on-demand meetings, the internal multipoint offers industry's best collaboration experience for up to 12 IP sites.

The iPower Executive offers a wide range of video and data collaboration functions and features in a sleek and stylish package. Used for simple meetings, it delivers 14 kHz fidelity audio for natural and clear conversation. Used for deeper, richer, collaborative efforts, its built-in PC dramatically increases productivity and effectiveness.

The iPower Executive's dual 15-inch LCD flat panel display and People+Content™ technology allows meeting participants to view people and data images simultaneously creating a more natural way to interact during video conferencing. The full resolution camera includes pan/tilt/zoom functions that automatically track the person speaking.

Polycom video conferencing and collaboration systems provide advanced technology specifically designed for video conferencing, including superior audio pickup with 360-degree microphone that enables meeting participants to be heard from anywhere in the room. Polycom's user interface is easy to use, with on-screen graphics and easy to control with color-coded remote controls. Going beyond face-to-face meetings, laptops can be quickly con-

nected to Polycom video systems with dedicated devices that make sharing content as easy as pushing a button. These high-quality Polycom systems are all part of The Polycom Office™.

High quality video communications for The Polycom Office

With integrated video, voice, data, and Web capabilities, The Polycom Office is the only solution that offers you an easy way to connect, conference, and collaborate any way you want. The Polycom Office is our commitment to making distance communications as natural and interactive as being there. Work faster, smarter, and better with the Polycom iPower Executive and The Polycom Office.



Video

Connect. Any Way You Want.

Polycom iPower Executive Technical Specifications

Audio, video and data specifications

ITU-T H.320 and H.323 compliant

Audio

- 14 kHz with Siren 14
- 7 kHz with G.722.1, G.722, PT18plus, PT724
- 3.4 kHz with G.711, G.723.1, G.728, G.729, G.719A
- Integrated Dynamic Echo Cancellation(DEC™)
- Automatic Gain control (AGC)
- Automatic noise suppression (ANS)

Video

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

Data and control

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

People video resolution

- CIF (352x288 pixels)
- QCIF (176x144 pixels)
- 30 fps at 256 Kbps and above
- Pro-Motion interlaced video (352x480 pixels) at 336 Kbps and above
- SIF (352x240 pixels)

Content video resolution

- Native PC/high resolution
 - XGA (1024x768)
 - SVGA (800x600)
 - VGA (640x480)
- NTSC resolution
 - 4CIF (704x576 pixels)
 - CIF (352x288 pixels)

People+Content™ features

- 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
- Dynamic bandwidth allocation

System connections

Video inputs

- Integrated camera
- Video content (document camera, etc.)
- Direct connect laptop/ImageShare™ II (optional)
- VCR (RCA)

Audio input

- 1 microphone input (PowerMic™)
- 1 audio input (3.5 mm) — privacy headset jack
- 1 PC audio input (3.5 mm)
- 1 VCR input (RCA)

Video output

- Main display/content display: SVGA or XGA
- 2 display/people display: NTSC or PAL (S-video)
- VCR output (RCA)

Audio output

- Main audio to built-in speaker: Right and Left (RCA)
- 1 audio out (3.5 mm) - headset jack
- VCR output (RCA)

Network interface

- IP (LAN, DSL, Cable Modem), Ethernet 10/100, up to 768 Kbps
- ISDN, single/quad BRI S/T (128 Kbps/512 Kbps)
- Voice-only and voice-add calls over ISDN and IP

System components

- Integrated camera and microphone
- Dual 15" LCD screens with built-in speaker
- Full Intel PC running Microsoft Windows 2000

Professional

- Wireless keyboard/trackball
- Wireless remote control

Camera

- Motorized pan-tilt-zoom camera with automatic camera pointing including "dialog mode"
- Tilt range: +15° to -30°
- Pan range: ±90°

- Horizontal field of view: 51°
- Total field of view: 231°
- Horizontal resolution: 430 HTVL
- Zoom range: 12x
- Far end camera control

Built-in microphone

- Range: 15 ft, angle: ±60°
- Sophisticated array technology for eliminating extraneous noises
- Built-in Speaker
- Powered 3" speaker
- Volume up/down buttons

Displays

- Size: 15" diagonal
- Type: Active matrix TFT
- Content display (left): Analog RGB, 15-pin D-sub
- People display (right): S-Video, 4-pin and Analog RGB, 15-pin D-sub
- Pixel Pitch: 0.297 (H) x 0.297 (V)
- Pixel Format: 1024x768, RGB
- Color Depth: 6-bit, 262,144 colors
- Luminance: 200 cd/m2
- Contrast Ratio: 300:1
- Viewing Angle: Up 45°, down 45°, right 60°, left 60°
- Response Time: 330 msec
- Surface treatment: hard coating (3H) and anti-glare treatment

Security features

- Microsoft Windows Administration password
- System Administration password
- User level password
- H.243 MCU password

Wireless LAN support

- Standard IEEE 802.11a/b USB wireless devices
- Support for 64/128-bit encryption (WEP)
- Infrastructure or ad hoc mode

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

Optional internal multipoint

4-site internal IP multipoint (H.323)

- Local site plus three (3) video sites at 768 Kbps each
- Full People+Content support
- Voice-activated or continuous-presence modes
- H.261, H.263, H.263+
- G.722, G.723.1, G.711
- Simultaneous voice-add over ISDN/IP
- T.120 data collaboration

12-site multipoint

- Optional local site plus eleven (11) video sites
- Same call specifications as above

Optional Meeting Tool Assistant

- Integrated control of select document cameras, projector and VCR devices

Supported devices

- VCR: JVC SR-S365U or JVC SR-S388E
- Document camera: ELMO EV-2000AF, ELMO EV-2500AF, Canon RE-350
- Projector: InFocus 350 and 5XX series
- Sony PX/CX family

People+Content Streaming

- View conference with content from any LAN with standard Web browser
- Support up to 5 direct viewings (Windows Media Player v7.0 and above)
- Support external Windows Media Server for larger audiences
- Voice switch and view permanent site selection supported
- Content capture as JPEGs
- Support On-the-Call and Off-the-Call streaming

Optional Digital Conference Recording

- Save entire conference for archiving or transporting
- Voice switch and view permanent site selection supported
- Content store as JPEGs
- Support On-the-Call and Off-the-Call recording

Computer information sharing

- Plug in laptop or PC via ImageShare II
- Show iPower Desktop
- Share applications running on iPower system
- Integrated Web collaboration
- WebOffice™ directly from the iPower system
- T.120 data sharing and collaboration
- Customizable shortcut for frequently used applications

IP and Quality of Service (QoS) features

- Differentiated Services (DiffServ)
- Resource Reservation Protocol (RSVP)
- IP Precedence
- Network Address Translation (NAT) support
- Virtual Private Network (VPN) support
- Auto gatekeeper discovery
- Configurable TCP/UDP port range
- Packet reordering and de jittering
- Asymmetric speed control
- Lip synchronization
- Multiple IP adapters

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 via USB
- Application interface (Active-X) for Visual Basic, Visual C++ software development
- Supports Crestron™ and AMX™ control systems

Power

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

Languages

- User interface and online help are 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

Physical dimensions

- Base Width: 15.5 in.
- Display width: 22 in.
- Height: 22.5 in.
- Depth: 9.5 in.

Polycom video conferencing and collaboration systems support Polycom network infrastructure and management systems. With the Polycom MGC, Polycom video systems can participate in large multipoint conferences. Polycom PathNavigator™ among many other features, enables easy dialing from Polycom video systems with OneDial™. And video systems can be centrally managed and controlled with Polycom Global Management System, and access the Global Address Book for easy access to directory services. Polycom video conferencing and collaboration deliver high-quality video and integrated solutions for The Polycom Office.

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