



DATA SHEET

Polycom® RealPresence® Group 500

Powerful video collaboration for group conferences in a sleek design that is simple to use

The Polycom® RealPresence® Group 500 solution is ideal for conference rooms and other collaborative environments, from small meeting rooms to larger rooms with dual screens. Powerful video and audio performance and interactive content collaboration bring users closer together and drive meaningful conversation for geographically dispersed teams. The compact, sleek design is easily hidden out of sight, keeping your rooms clutter-free.

Effectively sharing and collaborating with content across disparate teams is critical. With the Polycom® RealPresence® Group 500 solution there are multiple ways to share and collaborate, allowing each team to use the method most suited to their needs and style. From whiteboarding, to annotating, to sharing applications and programs on a computer or tablet—all can be included as part of a comprehensive, collaborative video session.

Conference rooms come in all shapes and sizes, but it is important to deliver a great experience for all participants, no matter the size of the room. The Polycom® RealPresence® Group 500 solution offers flexible options that ensure that all participants can see and be seen, no matter where they are sitting.

- Polycom® EagleEye™ Producer uses innovative facial-tracking algorithms to accurately frame all room participants, or focus on the person speaking—whichever you prefer, eliminating the “bowling alley” view that is all too common in video calls
- For a more immersive feel, Polycom® EagleEye™ Director II offers the highest performance speaker tracking experience, transmitting facial expressions and body language for higher impact and more productive video collaboration
- The Polycom® EagleEye™ IV camera offers brilliant visual clarity, 12x or 4x zoom and an optional wide-angle lens adapter, capturing everyone clearly even in odd-shaped rooms
- For smaller rooms, the Polycom® EagleEye™ Acoustic camera takes just seconds to mount on a flat-panel display and delivers excellent 1080p image quality

Use the optional built-in multipoint to host video calls with up to 6 participants in HD quality. Included support for dual monitors helps participants see everything more clearly for meetings with greater impact. For a turnkey solution, Polycom® RealPresence® Medialign™ solutions deliver the industry’s best video collaboration with an innovative, modern design that deploys anywhere in minutes.

For more details on the benefits of the RealPresence® Group 500, please see the RealPresence® Group Series family brochure.



Benefits

- Simple to use, with one-touch dial from the integrated calendar and the Skype for Business interface on the optional RealPresence Touch
- Flexible, interactive content collaboration so distant teams can work more closely together
- High-performance video and content quality so everyone can view and share without compromise
- Simple installation and compact design for quick and easy deployment
- Right-size the solution to meet the needs of each individual conference room with flexible camera and accessory options for the best user experience and cost-effective deployment
- Built-in interoperability unlocks access to the highest quality in-room collaboration experience for Video as a Service customers



Product specifications

Package includes:

- RealPresence Group 500 codec
- Cable bundle
- Remote control
- EagleEye IV camera and RealPresence Group Microphone Array, or EagleEye Acoustic camera

Video standards and protocols

- H.261, H.263, H.264 AVC, H.264 High Profile, H.264 SVC, RTV
- H.239/Polycom® People+Content™
- H.263 & H.264 video error concealment

Video input

- 1 x HDCI
- 1 x HDMI 1.3
- 1 x VGA

Video out

- 2 x HDMI 1.3

People video resolution

- 1080p, 60 fps from 1740 Kbps
- 1080p, 30 fps from 1024 Kbps
- 720p, 60 fps from 832 Kbps
- 720p, 30 fps from 512 Kbps
- 4SIF/4CIF, 60 fps from 512 Kbps
- 4SIF/4CIF, 30 fps from 128 Kbps
- SIF (352 x 240), CIF (352 x 288) from 64 kbps
- QSIF (176 x 120), QCIF (176 x 144) from 64 kbps
- w288p from 128 Kbps
- w448 from 384 Kbps
- w576p from 512 Kbps

Content video resolution

- Input
 - HD (1920 x 1080i), HD (1920 x 1080p)
 - WSXGA+ (1680 x 1050)
 - UXGA (1600 x 1200)
 - SXGA (1280 x 1024)
 - WXGA (1280 x 768)
 - HD (1280 x 720p), XGA (1024 x 768)
 - SVGA (800 x 600)
- Output
 - WUXGA (1920 x 1200)
 - HD (1920 x 1080)
 - WSXGA+ (1680 x 1050)
 - SXGA+ (1400 x 1050)
 - SXGA (1280 x 1024)
 - HD (1280 x 720)
 - XGA (1024 x 768)
 - VGA (640 x 480)
- Content frame rate
 - 5–60 fps (up to 1080p resolution at 60 fps)
- Content Sharing
 - People+Content and People+Content IP

Audio input

- 1 x RealPresence Group microphone array input port (supporting a total of 4 microphone arrays)
- USB headset support
- 1 x HDCI (camera)
- 1 x HDMI
- 1 x 3.5 mm stereo line-in

Audio output

- 1 x HDMI
- USB headset support
- 1 x 3.5 mm stereo line-out

Other interfaces

- 2 x USB 2.0
- 1 x RS-232, 8-pin mini-DIN

Audio standards and protocols

- 22 kHz bandwidth with Polycom® Siren™ 22 technology, AAC-LD (TIP calls), G.719 (Live Music Mode)
- 14 kHz bandwidth with Polycom® Siren™ 14 technology, G.722.1 Annex C
- 7 kHz bandwidth with G.722, G.722.1
- 3.4 kHz bandwidth with G.711, G.728, G.729A

Polycom® Constant Clarity™ technology

- Automatic gain control
- Automatic noise suppression
- Keyboard noise reduction
- Polycom® NoiseBlock™ technology
- Polycom® Acoustic Fence™
- Live music mode
- Instant adaptation echo cancellation
- Audio error concealment
- Polycom Siren Lost Packet Recovery™ (LPR™) technology
- Polycom® StereoSurround™ technology

Other supported standards

- H224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.243, H.460
- BFCP (RFC 4582)
- TIP

Network

- IPv4 and IPv6 support
- 1 x 10/100/1G Ethernet
- Auto-MDIX
- H.323 and/or SIP up to 6 Mbps
- Polycom® Lost Packet Recovery™ (LPR™) technology

- Reconfigurable MTU size
- RS232 with API support
- Microsoft® Office Communications Server integration
- Microsoft® ICE support
- Microsoft Lync and Skype for Business support
- IBM® Sametime™ support

Security

- US DoD UC APL Certified (see the *Polycom US Federal Government Accreditation site* for details)
- Media Encryption (H.323, SIP): AES-128, AES-256
- H.235.6 support
- Authenticated access to admin menus, web interface and telnet API
- FIPS 140-2 Validated Cryptography (Validation Certificate #1747)
- PKI/Certificate Management:
 - SSL 3.0, TLS 1.0, 1.1, 1.2
 - Self-signed and CA-signed certificate support
 - CRL and OCSP-based certificate revocation checking

- Network intrusion detection system
- Local account password policy configuration
- Security profiles
- Web UI / SNMP Whitelists
- Local account and login port lockout

Options

- Polycom® RealPresence® Touch
- Polycom® EagleEye™ Producer
- Polycom® EagleEye™ Director II
- Polycom® SoundStation® IP 7000 conference phone integration
- Polycom® SoundStructure® integration through a digital interface

Software options

- Skype for Business and Lync Integration
- Zoom Meetings interoperability
- TIP interoperability
- 1080p license, providing up to 1080p60 for people and content
- Multipoint license for up to 6 sites at 720p30, or 4 sites at 1080p30

Electrical

- Auto sensing power supply

Typical operating voltage/power

- 37VA @ 120V @ 60 Hz
- 37VA @ 230V @ 50/60 Hz
- Typical BTU/h: 65

Environmental specification

- Operating temperature: 0 to 40 °C
- Operating humidity: 15 to 80%
- Non-operating temperature: -40 to 70 °C
- Non-operating humidity (non-condensing): 5 to 95%
- Maximum altitude: 10,000 ft

Physical characteristics

- RealPresence Group 500 base box
 - 11.3" H x 1.2" W x 4.8" D
 - 2.45 lbs

Warranty

- One-year return to factory parts and labor

About Polycom

Polycom helps organizations unleash the power of human collaboration. More than 400,000 companies and institutions worldwide defy distance with video, voice and content solutions from Polycom. Polycom and its global partner ecosystem provide flexible collaboration solutions for any environment that deliver the best user experience and unmatched investment protection.

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