DATA SHEET

Polycom® RealPresence® Group 310

Affordable video collaboration for huddle rooms and personal workspaces

Optimized for smaller groups, the Polycom® RealPresence® Group 310 solution is ideal for small meeting rooms, huddle rooms, and personal workspaces. It features simple setup and configuration, and a compact, sleek design that is easily hidden out of sight, keeping your rooms clutter-free.

RealPresence Group Series is the only standards-based group video conferencing system that is certified with Skype for Business and Office 365, making it easy to connect without changing the way you work. The Skype interface is instantly familiar for an intuitive experience that needs no training. And because RealPresence Group is also standards-based, it's easy to connect with customers, partners, and others outside your organization.

Smaller meeting rooms need a solution that is right-sized for the space. However, small size and price does not have to mean a sacrifice in performance. RealPresence Group 310 supports 1080p60 video resolution, adding a new level of clarity and realism to your business communications. Content can be sent and received in up to 1080p60 quality, and it's easy to share using the HDMI or VGA connections or wirelessly from your laptop or mobile device. For advanced content collaboration, connect to Polycom® Pano™ for easy wireless sharing from up to 4 users at the same time plus annotation and whiteboarding when using a touch display.

Polycom RealPresence Group 310 is designed for smaller rooms with a single display. However, a second display output can be activated via an optional license key, providing the flexibility to add an additional monitor if needed.

RealPresence Group 310 supports the same accessories and camera innovations as the rest of the RealPresence Group Series product line, such as Polycom® EagleEye™ Producer, Polycom® EagleEye™ Director II, and Polycom® RealPresence Touch™. This allows you to offer similar experiences in your smaller rooms as you do in larger spaces for consistency and improved ease of use throughout your organization.

For more details on the benefits of the Polycom RealPresence Group 310, please see the RealPresence Group Series family brochure.

Benefits

- Expand video collaboration to huddle rooms and personal workspaces at an affordable price
- Powerful performance optimized for smaller rooms so you can get the most out of your meetings
- Simple to use, with one-touch dial from the integrated calendar and the Skype for Business interface on the optional RealPresence Touch
- Simple installation and compact design for quick and easy deployment
- Flexible camera options let you pick the one that best matches the needs of each room
- Built-in interoperability unlocks access to popular cloud-based video services while delivering Polycom's unmatched group collaboration experience

Product specifications

Packages include:
- RealPresence Group 310 codec
- Cable bundle
- Remote control
- EagleEye IV 4x 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/BFCP for content sharing
- 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
  - One HDMI output enabled standard, second output enabled with optional license key

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
- 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 x720p), XGA (1024 x 768)
  - SVGA (800 x 600)

- Output
  - HD (1920 x 1080i)
  - HD (1920 x 1080p)
  - WSXGA+ (1680 x 1050)
  - SXGA+ (1400 x 1050)
  - SXGA (1280 x 1024)
  - HD (1280 x 720p)
  - XGA (1024 x 768)
  - VGA (640 x 480)
- Content frame rate
  - 5–60 fps (up to 1080p resolution at 60 fps)
- Content Sharing
  - Polycom® People+Content™ IP and Polycom Pano app support
  - VbSS content in Microsoft environments

Audio input
- 1 x RealPresence Group microphone array input port (supporting a total of 2 microphone arrays)
- USB headset support
- 1 x HDCI (camera)
- 1 x HDMI
- 1 x 3.5mm stereo line-in

Audio output
- 1 x HDMI
- USB headset support
- 1 x 3.5mm 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
- Live music mode
- Instant adaptation echo cancellation
- Audio error concealment
- Polycom® Siren™ Lost Packet Recovery technology
- Polycom® StereoSurround™ technology
- Active Lip Synchronization

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 3 Mbps
- Polycom® Lost Packet Recovery™ (LPR™) technology
- Reconfigurable MTU size
- RS232 with API support
- Web Proxy support—Basic, Digest and NTLM
- Simple Certificate Enrollment Protocol (SCEP)

Interoperability
- Microsoft Lync and Skype for Business certification, including Skype for Business Online / Office 365
- IBM® Sametime™ support
- Zoom Meetings interoperability
- BlueJeans Cloud Services Interoperability
- Microsoft® Office Communications Server integration
- Microsoft® ICE support

Security
- Media Encryption (H.323, SIP): AES-128, AES-256
- Authenticated access to admin menus, web interface, and telnet API
- H.235.6 support
- 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
- API via Telnet and secure SSH interfaces

Options
- Polycom Pano
- Polycom® RealPresence® Touch™
- Polycom® EagleEye™ Cube camera
- 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 (including Skype for Business Online / Office 365)
- TIP interoperability
- Enhanced display license for 2nd monitor and touch monitor support
- 1080p license, providing up to 1080p60 for people and content

Electrical
- Auto sensing power supply

Typical operating voltage/power
- 37VA @ 120V @ 60Hz
- 37VA @ 230V @ 50/60Hz
- 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 310 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

Learn more
For more information on RealPresence Group Series, visit
www.polycom.com/groupseries