![Polycom logo]

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.

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 is easily shared through direct HDMI or VGA connections, or using the Polycom® People+Content™ IP application. Polycom® SmartPairing™ easily connects your mobile device to share and annotate content, making collaboration more intuitive and interactive.

Polycom® RealPresence Group 310 features a compact footprint that is easily placed out of the way to keep your rooms clutter-free. Polycom® EagleEye™ Acoustic camera takes just seconds to mount on a flat-panel display, delivers excellent 1080p image quality and is optimized for smaller groups. In many smaller rooms participants sit closer to the camera, which can make it difficult to capture everyone in view. The Polycom® EagleEye™ IV camera features a powerful optical zoom and optional wide-angle lens to overcome these challenges, along with a 4k sensor that captures incredible detail and brilliant image quality.

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.

Polycom continues to lower the total cost of ownership of video collaboration by extending the benefits of H.264 High Profile to 1080p60 people and content. You experience whole new levels of realism with up to 50 percent less bandwidth.

For existing Polycom customers, RealPresence Group Series allows you to leverage previous investments in Polycom technology, including select cameras, microphones, and UC innovations such as Polycom® EagleEye™ Director and Polycom® Touch Control.

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 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

Product specifications

Package includes

- Polycom® EagleEye™ IV or Polycom® EagleEye™ Acoustic camera, codec, cables, remote control, Polycom® RealPresence® Group Microphone Array (with EagleEye IV package only)

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 EagleEye HD camera (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
- 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 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
  - People+Content and People +Content IP

Audio input

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

Audio output

- 1 x HDMI
- 1 x 3.5mm stereo line-out

Other interfaces

- 2 x USB 2.0
- 1 x RS-232 Mini-DIN 8-Pin

Audio standards and protocols

- 22 kHz bandwidth with Polycom® Siren™ 22 technology, AAC-LD (TIP calls)
- 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 (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 3 Mbps
- Polycom® Lost Packet Recovery™ (LPR™) technology
- Reconfigurable MTU size
- RS232 with API support
- Microsoft® Office Communications Server integration
- Microsoft® ICE support
- Microsoft® Lync® support
- IBM® Sametime™ support

Security

- Media Encryption (H.323, SIP): AES-128, AES-256
- 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
- API via Telnet and secure SSH interfaces

Options

- Polycom® Touch Control
- Polycom® EagleEye™ Producer
- Polycom® EagleEye™ Director with EagleEye III cameras
- Polycom® UC Board™
- Polycom® SoundStation® IP 7000 conference phone integration
- Polycom® SoundStructure® integration through a digital interface

Software options

- Lync 2010 and 2013 interoperability
- TIP interoperability
- Dual display license (Group 310 only)
- 1080p license, providing up to 1080p60 for people and content (receive-only for 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
  - 2.35 lbs

Warranty

- One-year return to factory parts and labor

Need flexible financing?

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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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