



## 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 on-premises and online (connection to Microsoft Teams requires RealConnect for Microsoft Teams service). 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 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 an advanced 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.

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 x 720p), 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

- H.224/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

- Skype for Business and Microsoft Lync certification
- 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 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](http://www.polycom.com/groupseries)

## 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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