



DATA SHEET

Polycom® RealPresence Centro™

The first visual collaboration solution purpose-built to put people at the center of collaboration

Throughout history, people have gathered “in the round” for their most important engagements. Anthropological research reinforces that joining in a circle is a natural and more equitable human behavior. By removing seating hierarchy, people engage and collaborate at a higher level. Despite this fact, traditional meeting spaces are rectangular in shape with an obvious seat of power. Virtual participants are placed on the wall at the far end of a long table and forced to work extra hard to be part of the collaborative process, or worse, just forgotten or disengaged.

Only Polycom® RealPresence Centro™ was purpose-built to revolutionize team collaboration by drawing everyone to the center of the experience—regardless of their location. With patented technology, 360-degree cameras and sensors, and intelligent switching, RealPresence Centro creates a virtual circle where everyone remains in close eye contact—even as people move around the room on the near or far side. Virtual participants sit right at the center of four touch-sensitive displays providing an equitable view for everyone and empowering natural, more collaborative interactions.

Built for real collaboration, RealPresence Centro pairs with BYO devices, like your PC, phone or tablet, to allow everyone to see, share and annotate on mission-critical content. And of course, with the Polycom pedigree, RealPresence Centro provides the most amazing audio experience for everyone on the call.

What could be better? Turnkey installation means only two cables need to be connected, and zero-touch provisioning makes setup fast and effortless. Every detail has been considered.



Benefits

- **Revolutionary**—First visual collaboration solution to draw everyone together in the center of collaboration, enabling teams to ideate and solve the most challenging problems
- **Engaging**—See everyone ‘front & center’; hear every nuance with integrated premium audio
- **Powerful Collaboration**—Share mission critical content from your personal device with a simple touch
- **Intelligent**—Freely move around the space and remain on camera while tracking sensors and cameras automatically frame you every move
- **Simple**—Easily interact from any of the 4 touch-sensitive monitors; connect in minutes

Product specifications

Video display

- (4) 27" LED flat panel
- Active screen size: 27 inches (68.6 cm) diagonal
- Outline dimension: 630.0 x 368.2 x 11.7 mm (H x V x D)
- Pixel pitch: 0.3114 mm x 0.3114 mm
- Resolution: 1920 x 1080
- Color depth: 16.7M colors
- Luminance, white: 250 cd/m² (Center 1 point)
- Display operating mode: Transmissive mode, normally black
- Surface treatment: Hard coating (3H) & anti-glare treatment of the front polarizer

Camera

- 360° camera with five high definition lenses blended together to produce a panoramic scene
- Captures individuals sitting, standing, and walking

Video standards

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

Video input/output

Input:

- (1) HDMI 1.3
- (1) VGA

Output:

- (1) HDMI 1.3 (Polycom® VisualBoard™)

People video resolutions

- 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
- W576 from 512 Kbps
- W448 from 384 Kbps
- W288p from 128 Kbps

Content standards

- BFCP (RFC 4582)
- H.239 dual streams

Content resolutions

Input:

- HD (1920 x 1080p)
- HD (1920 x 1080i)
- WSXGA+ (1680 x 1050)
- UXGA (1600 x 1200)
- SXGA (1280 x 1024)
- WXGA (1280 x 768)
- HD (1280 x 720)
- XGA (1024 x 768)
- SVGA (800 x 600)

Output:

- HD (1920 x 1200)
- HD (1280 x 720)
- WUXGA (1920 x 1200)
- WSXGA (1680 x 1050)
- SXGA (1280 x 1024)
- XGA (1024 x 768)
- VGA (740 x 480)
- Content frame rate: 5–30 fps
- Content sharing: Polycom People on Content and Polycom® People+ Content™ IP

Audio standards

- 22 kHz bandwidth with Polycom® Siren™ 22 technology
- 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

Audio input/output

Input:

- 1 x Walta/Clink (for Polycom® SoundStation® conference phones, Ceiling Microphones)
- 1 x 3.5 mm stereo line-in
- 12 x integrated microphones

Output:

- 4 x powered speakers

Polycom® Constant Clarity™ technology

- Automatic gain control
- Automatic noise suppression
- Instant adaptation echo cancellation
- Audio error concealment
- Keyboard noise reduction
- Polycom® MusicMode™ technology

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® ICE support
- Microsoft® Lync® support
- IBM® Sametime™ support

Other ITU-supported standards

- H.221 communications
- H.224/H.281 far-end camera control
- H.323 Annex Q far-end camera control
- H.225, H.245, H.241
- H.231 in multipoint calls
- H.460 NAT/firewall traversal

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
- 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

Other interfaces

- 4x USB 3.0 user port
- 2 x USB 3.0 (Visual Board, future expansion)
- 2x USB 2.0 host ports (Soft update)
- 1 x RS-232, DB-9
- 1x RJ-45 ENET/LAN

Options

- Polycom® RealPresence Touch
- Polycom® UC Board™
- Polycom® SoundStructure® integration through a digital interface

IR remote

- Control system with IR remote
- Intuitive quick one button press for most often used system functions

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 size and weight

- 37.6" W x 37.6" D x 39.7" H (maximum height w/ camera fully extended)
- Base unit w/ displays: 37.6" W x 37.6" D x 41" H (96.52cm W x 104cm H x 96.52cm D) (max height w/ camera fully extended)
- Weight - 200 lbs / 91Kg

Packaging physical size and weight

- Package - 34.6" W x 40" H x 34.6" D (88cm W x 101cm H x 88cm D)
- Package on palette - 40" W x 45" H x 47" D (100cm W X 1149cm H X 120cm D)
- Package weight w/o RealPresence Centro Est. 2.2lbs. / 5kg

Warranty

- One year return to factory

Regulatory

- Polycom to fill this section

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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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