



Benefits

- Interoperability with Skype for Business/Office 365 environments
- Security certified including AES encryption
- Disability act supportive including closed captioning
- Trade and legislative compliant
- Stay present in more places without ever leaving the office—save time, budget and remain safe
- Exceptional user experience
- Share critical information to colleagues across the city or around the globe with a touch. Easily annotate and save for future reference.
- Comfortable and automated environment for all personnel
- Eye contact through 360-degree virtual experience
- High-definition video conferencing and content sharing provides a high level interaction regardless of location
- Platform support for BYOD devices to share critical images and data
- Small footprint with the ability to move to different locations within the organization

SOLUTION BRIEF

Polycom® RealPresence Centro™

HD video, audio, and content sharing for government departments and agencies—no matter where they are located

Government collaboration with confidence and security

The ability for government professionals to collaborate with other departments, agencies or alliance partners regardless of location is key in today's dynamic national, federal, state, local government environments. RealPresence Centro™ is ideal for facilitating the key interactions needed to take place as we move toward increased safety, readiness, compliance, transparency, preparedness and legislative compliance.

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 direct eye contact while interacting in a multitude of environments and conducting applications to increase competitive advantages and return on investment.

Usage environments

- Military departments
- Command centers
- Courts/corrections
- Civilian agencies
- Local/city development/councils
- Research centers
- Tax, transportation centers
- Security facilities
- Correctional facilities
- Veteran healthcare centers

Key applications

- Command & control briefings
- C4ISR activity
- Multi-disciplinary team meetings
- Emergency response coordination
- Training/education/development
- Dispute resolution/case management
- Political negotiation
- Administrative applications
- Cyber and physical security
- Judicial services

Video display

- 4 x 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 5 High Definition lenses blended together to produce a panoramic scene
- Captures individuals sitting, standing, 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 x HDMI 1.3
- 1 x VGA

Output:

- 1 x HDMI 1.3 (VisualBoard)

People video resolutions

- 1080p, 60fps 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 786)
- 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+Content, 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 SoundStation, 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
- Live 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 (Softupdate)
- 1x RS-232, DB-9
- 1x RJ-45 ENET/LAN

Options

- Polycom® RealPresence Touch
- Polycom® VisualBoard™
- 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

- 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)

Warranty

- One year return to factory
- 128-bit AES Encryption
- Forced encryption for secure connectivity

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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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