



DATA SHEET

Polycom® RealPresence® Collaboration Server, Virtual Edition

Polycom® RealPresence® Collaboration Server helps thousands of companies get business done faster no matter where their people are. The Polycom RealPresence Collaboration Server, Virtual Edition is for customers who want to virtualize (some or all) their video conferencing infrastructure alongside other virtual applications in the data center. Virtual Editions are software versions of the award-winning Polycom® RealPresence® Platform that are optimized for virtual deployment offering tight alignment to IT policies and procedures, reduced total cost of ownership, and expanded flexibility.

Reduce cost and complexity

RealPresence Collaboration Server, Virtual Edition unites islands of communication while reducing cost and complexity through its innovative architecture. Providing the industry's first and only native support for AVC and standards-based SVC protocols, RealPresence Collaboration Server, Virtual Edition eliminates the need for 'work-arounds' including expensive gateways and extra boxes. Native AVC and SVC support is a continuation of Polycom's approach to adopt new standards and protocols as they emerge so that IT leaders don't have to pick and choose them. With RealPresence Collaboration Server, Virtual Edition, IT leaders can protect UC investments and build for the future with confidence.

Get ahead of the mobility curve

Usher in a new era of video collaboration with BYOD

"Bring Your Own Device" policies give your organization the freedom to meet with anyone from anywhere without compromising on cost, caller experience or interoperability. Empower your employees with personal collaboration, whether at home or on-the-go using free SVC-enabled Polycom® RealPresence® Mobile and RealPresence® Desktop applications. Use RealPresence Collaboration Server, Virtual Edition to seamlessly bring your callers together with groups around the organization and beyond. No more wasted hours in long commutes; no more travel weary employees.

Transform the office into a high-performance workplace

With the RealPresence Collaboration Server, organizations can collaborate from anywhere through video conferencing that is easy to join—as simple as clicking a link from a calendar or social business application or making a phone call. For IT, Polycom RealPresence Collaboration Server provides flexibility and control to administrators through customizable virtual meeting rooms and user profiles. Its straightforward administrator interfaces help enable consistent, in-person communication experiences without cumbersome technology roadblocks, speeding your rate of video collaboration adoption to increase productivity.



Benefits

- **Scalable**—designed for virtual environments, allowing for unlimited scale, while also acting as a seamless extension to an existing RealPresence Collaboration Server environment
- **Interoperability without compromise**—delivers interoperability (native AVC and SVC support) and integration with leading UC applications and environments—no video isolation—without expensive gateways or extra boxes
- **In-person experience**—new technology eliminates video delay and combines with unmatched support for H.264 High Profile, Polycom® Lost Packet Recovery™, Polycom® HD Voice™ and StereoSurround, for a truly face to face collaboration experience
- **Enterprise quality**—extensible to the RealPresence® Platform for management, call control, bridge virtualization, firewall/traversal and recording

Product specifications

Capacity¹

- Dynamic Resource Allocation™ supports up to:¹
 - 10 HD 1080p60 Asymmetric
 - 21 HD 1080p30 transcoding resources
 - 210 HD 720p30 (Polycom) SVC endpoints
 - 42 HD 720p30 H.264 transcoding ports
 - 84 SD @ 30 fps H.264 transcoding ports
 - 84 CIF @ 30 fps H.264\H.263 transcoding ports
 - 300 VoIP endpoints
- Integration with Polycom® RealPresence Clariti™, RealPresence® DMA® 7000 system for high-scale, redundant conferencing

Video support

- From QCIF to 720p including intermediate resolutions
- H.263 (H.263++), H.264 Baseline and High Profile, H.264 Annex G (SVC)
- 16:9 and 4:3 aspect ratio
- WebRTC
- Native Microsoft RTV support
- H.239 content sharing resolution (H.263/H.264): VGA, SVGA, XGA and 720p

Audio support

- G.711a/u, G.722, G.722.1C, G.722.1, G.719, G.729A, and Polycom® Siren™ 14, Siren 22, and Siren 22 LPR
- Siren 22 LPR SAC (Scalable Audio Coding) for SVC calls
- IVR prompts for auto attendance
- User and managed mute control
- DTMF support

Management tools

- Web-based and application-based management & monitoring
- View up to 10 Polycom RealPresence Collaboration Server platforms
- Administrator, operator, chairperson, and auditor views
- Complete XML API kit for 3rd party application integration
- Up to 4000 address book entries

- Address book quick search
- Operator conference
- Scheduling and gatekeeping functions via the RealPresence® Resource Manager and RealPresence® DMA
- Move participant between AVC conferences
- Conference templates to easily save layouts for recurring meetings
- External database access (LDAP/AD)

Language support

- English, Simplified Chinese, Traditional Chinese, Japanese, Russian, German, Korean, Spanish, French, Italian, Portuguese, Norwegian
- Double Byte (unicode) site names

Network support

- Network Separation (multiple IPs)
- ICE and SRTP Support—video and content
- IP H.323 and SIP—video and content
- VoIP voice
- IPV4
- 10/100/1000 Mb interface
- 64 kbps to 2 Mbps conference data rates
- Up to 768 kbps for content
- Direct dial-in from any network

Transcoding

- Audio algorithms
- Video algorithms
- Networks
- Resolution
- Frames rates
- Bit rates

IP QOS

- Polycom® Lost Packet Recovery™ (LPR™) technology for AVC calls
- Polycom error resiliency algorithms for SVC calls
- DiffServ
- IP Precedence
- Dynamic jitter buffer
- Voice and video error concealment

Security

- Separation of management and media networks
- AES media encryption (IP)²

- Transport layer security (SIP and management network)
- Tiered administrative access levels
- Secure conference mode

Conferencing highlights

- Support for Polycom® RealPresence® Web Suite
- Integration with Polycom® RealPresence® Media Suite for recording and streaming
- Unified conferencing (voice, video and data)
- Over 30 different conference layouts
- Personal (AVC) and auto layout options
- Layout range 1x1 to 3x3 (SVC) to 4x4 (AVC)
- Support of Polycom® LPR technology on both H.323 and SIP protocols (AVC)
- Advanced error resiliency for SVC calls
- Support standard H.264 High Profile
- Customized HD welcome slides
- Layout background (skin) options (AVC)
- Lecture and presentation mode (AVC)
- Conference profiles
- Conference templates
- Far-end camera control (FECC) H.224/ H.281, H.323 annex Q and SIP FECC (AVC)
- Conference dial out (AVC) and dial in
- Up to 2000 virtual meeting rooms
- Advanced IVR flow for AVC calls
- Multilingual and transparent site name options
- H.239 support over H.323 cascaded links (between any Polycom bridges)

Native integration

- Microsoft® Lync® server (OCS 14)
- Skype for Business

Software specifications can be found in the [RealPresence Platform, Virtual Editions data sheet](#).

1. Please consult the product specific guides and release notes for latest capacity information—found on the Polycom support site.

2. Media and signaling encryption is not available in all areas. Please contact your local Polycom representative for more information.

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