



DATA SHEET

Polycom® RSS™ 4000

Powerful recording and streaming software

Extend and enhance communication across your organization with video recording and streaming

The Polycom® RSS™ 4000 server is a network appliance that records and streams video calls that can be used alone or as a tightly integrated component of the Polycom Video Content Management solution.

The RSS 4000 records, archives, and streams telepresence and video conferences for playback on a wide variety of client devices including tablets, smartphones, desktops and standard-based video endpoints. Organizations that deploy RSS 4000 benefit from reduced communication costs, improved knowledge sharing, and extended use of information assets.

By leveraging the RSS 4000 with existing telepresence systems, video conferencing endpoints and video infrastructure, or familiar UC tools, like Microsoft® Lync™ 2010, organizations can easily convert real-time conferences and events into re-usable multimedia assets that can be viewed by audiences live and on-demand using a web browser. The enhanced end-user portal provides intuitive thumbnail images for easy navigation.

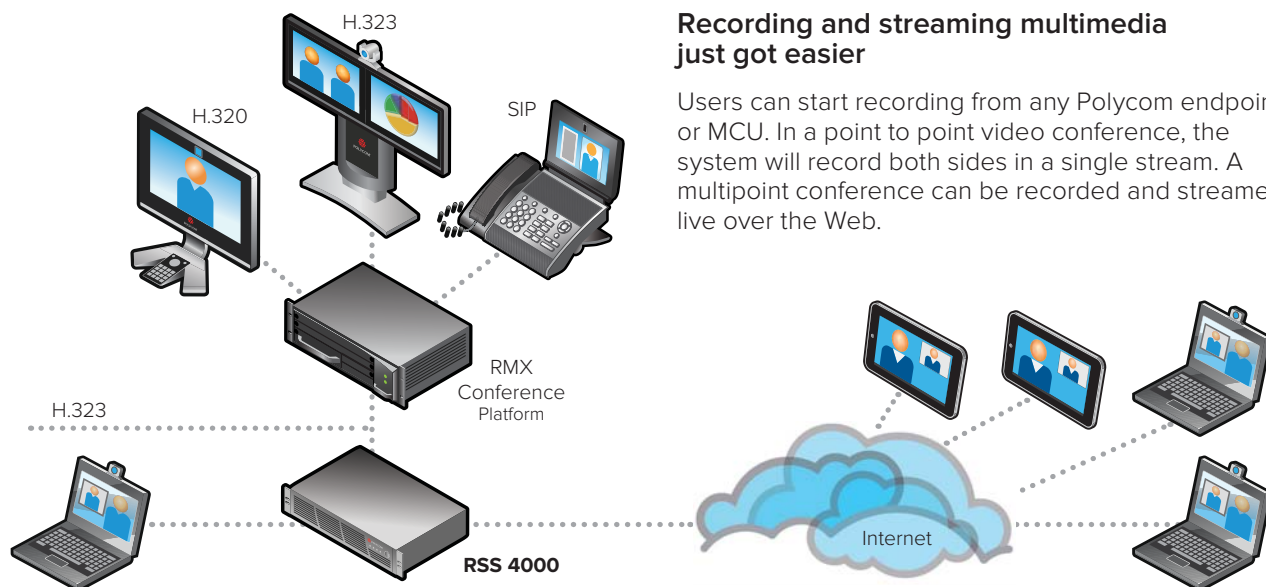
Applications for the RSS 4000 include executive and corporate communications, training sessions, lecture capture, project management meetings. The RSS 4000 is simple to configure, use and is fully compatible with standards-based telepresence and video conference systems, conference bridges and management applications.

For organizations requiring Enterprise video content management capabilities, such as detailed usage reporting and location based content routing, the RSS 4000 integrates with the Polycom® RealPresence® Media Manager to automatically import and publish recordings and facilitate distribution of live conference streams to tens of thousands of viewers across a LAN, WAN Internet or hybrid networks.



Benefits

- Capture telepresence and video conferences, including content from any standard-based endpoints by adding RSS to the call
- Record and stream events in high quality with HD and SD formats and Windows Media or mp4
- Record up to 15 simultaneous conferences (with content) in full HD
- Stream up to 8 simultaneous conferences (with content) in HD (up to 720p streams)
- Access live streams or video on demand easily, from PC, MAC, iOS and Android devices as well as via any standard-based endpoint
- Auto-generated thumbnail images provide intuitive visual navigation for end-users
- Compatible with leading 3rd party streaming media servers to reach large audiences and leverage existing infrastructure
- Tightly integrates with Polycom® RealPresence® Media Manager for true enterprise video content management
- Register to Microsoft Lync Server 2010 directly, and record video and audio in native Lync formats for the best possible quality
- XML API support for custom integrations and application development



Recording and streaming multimedia just got easier

Users can start recording from any Polycom endpoint or MCU. In a point to point video conference, the system will record both sides in a single stream. A multipoint conference can be recorded and streamed live over the Web.

Application highlights

- Records single point or multipoint conferences with full H.239 or SIP BFCP content
- Records calls up to 4Mbps in standards-based SD or HD (up to 1080p) video
- Supports both standards-based audio and Polycom® Siren 22
- High capacity recording for up to 15 simultaneous sessions
- Playback of video content from endpoints, desktops or mobile devices
- Integrates with the Polycom® RealPresence® Media Manager for true Enterprise content management
- Integrates with Polycom HDX endpoints and the Polycom RMX conference platform for one touch recording and playback
- Supports Microsoft Lync 2010 interoperability (registration, P2P call)

Videoconferencing support

- H.323 and SIP RFC 3261
- Records single point and multipoint video conference calls
- Record (2) site calls without a MCU with side-by-side video and content
- Live Video Resolutions: QCIF, C(S)IF, 4CIF, SD, HD, XGA, SVGA, VGA
- Audio support: G.711 a and u, G.722, G.728, G.722.1, Annex C, Siren 14, Siren 22 Stereo technology
- H.264 High Profile and Polycom Lost Packet Recovery™ (LPR™) technologies

- IVR support to provide users verbal indicators of status (recording, pause, etc.) controlled via DTMF or FECC

Recording

- Transcodes videocalls to Windows Media (.wmv) and H.264 (.mp4) video formats, plus MP3 audio
- Records audio/video at varying bit rates – 128 kbps to 4 Mbps
- Records content H.239 content channel
- Configurable recording templates to specify multiple bit rates for streaming/recording, video file formats, custom defined archive file names and content options
- Multiple methods for recording – direct from a video endpoint, MCU/bridge or from the admin user interface

Playback

- Playback can be offered to authenticated users with permission or public users (with or without PIN)
- HTML user portal provides quick access to live and VOD playback on a wide range of PC/MAC and mobile devices in the browser
- Download option for offline applications including video editing or re-distribution
- Playback to H.323/SIP endpoints with on-screen UI and navigation via DTMF or FECC
- Search options for archives from endpoint interface
- Quickcode for easy playback of archives from video endpoint

Streaming

- Stream up to 8 concurrent live High Definition streams (up to 720p) in Windows Media (.wmv) or H.264 (.mp4) format in a single window layout (people + content composited in one window)
- Stream up to 4 concurrent live HD streams (up to 720p) in Windows Media (.wmv) or H.264 (.mp4) formats in dual window layout (people + content in different media player instances) (reqs. Internet Explorer)
- Add MP4 single bit-rate streaming capacity via 3rd party external media servers
- Reach up to 100 viewers with live unicast streams in Windows Media (.wmv) or H.264 (.mp4) formats with the RSS built in streaming server
- Publish pre-defined Live Streaming URLs for event scheduling and notification
- Support for external Windows Media Server for live and VOD streaming
- Optional Multicast support for Windows Media

Capacity

- Up to 1406 hours of storage at 768kbps of H.323 video, audio and content

Security

- Users and Groups as well as endpoint viewing and recording rights authorization
- AES media encryption including SRTP Encryption (SRTP – AES 128/256) and secured signaling (TLS - 1024)
- TLS/SSL and HTTPS Support

Management

- Embedded Linux OS
- Integrated web server
- Integrated streaming server
- Support for standard H.323 gatekeepers & SIP servers
- Dial IN/OUT by endpoints, MCUs
- Local user/groups as well as basic integration with Microsoft Active Directory
- Limited user interface customizations (replace logos, backgrounds, IVRs, etc)
- Diagnostic logging
- Network Time Protocol

- Automatic backup and file management functions
- SNMP monitoring for greater reliability and manageability in high-availability environments such as service providers
- Network Interface
- 2x 10/100/1000 Ethernet (2nd port reserved for future use)

Language support

- Multi-language support for end user navigation and administrators including English, French, German, Spanish, Simple Chinese, Traditional Chinese, Japanese, Korean, and Russian

Power

- Input Voltage: 100 – 240 V, 50 – 60 Hz, 4 – 10 Amps, support 1+1 redundancy
- 700W ATX AC power supply w/PFC

System Configuration

- 2 x 1TB SATA hard disk, RAID-1 configuration

Physical Dimensions

- Form Factor: 2U 19" rack mount
- Height: 89 mm
- Width: 441 mm
- Depth: 485 mm
- Gross Weight: 19.5 kg

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About Polycom

Polycom is the global leader in open standards-based unified communications (UC) solutions for voice and video collaboration, trusted by more than 415,000 customers around the world. Polycom solutions are powered by the Polycom® RealPresence® Platform, comprehensive software infrastructure and rich APIs that interoperate with the broadest set of communication, business, mobile and cloud applications and devices to deliver secure face-to-face video collaboration in any environment. Polycom and its ecosystem of over 7,000 partners provide truly unified communications solutions that deliver the best user experience, highest multi-vendor interoperability, and lowest TCO. Visit www.polycom.com or connect with us on Twitter, Facebook, and LinkedIn to learn how we're pushing the greatness of human collaboration forward.

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