



DATA SHEET

Polycom® RealPresence® Media Suite

Turn average employees into video producers and any workspace into a media studio.

The way we work is changing

Organizations across the globe need to create quality recordings and webcasts to support training, corporate communications, and knowledge management initiatives cost-effectively, without requiring employees to be experts in video production.

That's why Polycom is making it easier than ever to use existing video conferencing endpoints in new ways to reach hundreds or even thousands of viewers with live webcasts or recorded video assets. The Polycom® RealPresence® Media Suite is an enterprise recording, webcasting and portal solution that makes the creation and delivery of higher quality videos possible.

Simple end-user experiences

We start by enabling recording and streaming from your entire video network, which includes standards-based video conferencing solutions, desktop and mobile devices. It's hard to predict where knowledge and expertise will come from, and leveraging familiar video endpoints is a cost-effective way to create great video assets. Easy, browser-based capture tools and self-service workflows enable anyone in the organization to create, share, and stream videos. Plus, users can upload, share and playback content from many other sources.

Viewing video content is just as easy, with a portal experience delivered through the simplicity and convenience of a browser. RealPresence Media Suite offers tight integration with video conferencing solutions, allowing users to playback video content into a multiparty meeting or conference room, as easy as playing videos from a DVR.

Innovative workflows, flexibility and scale

RealPresence Media Suite provides IT organizations with streaming scalability. With a complete solution for eCDN delivery, organizations can optimize how video is routed over their network to branch locations, or choose to leverage best-of-breed 3rd party content delivery solutions. Additionally, a distributed architecture enables RealPresence Media Suite to support recording for up to 100 concurrent video sessions, stream up to 50 live events and reach up to 10,000 web viewers. Plus powerful APIs enable organizations to innovate around business workflows.

Unleash the expertise in your organization. Create a powerful, video-enabled, knowledge sharing culture and capture, share, and stream content from your entire video network.



Benefits

- **Boost end-user efficiency and productivity**—Simple self-service workflows and browser-based content creation empower users to create great video assets for any use case
- **Harnesses information and increase knowledge sharing**—Dynamic workflows to control how users share media to private or public channels to engage teammates, workgroups, or the entire organization
- **Reach viewers in any workspace, on any device**—With the simplicity and convenience of a browser, delivering video content is easy and universal
- **Increase ROI of your existing video conferencing investments**—Recording, sharing, and streaming from your entire video network drives adoption and addresses new use cases
- **Choice, flexibility and scale**—Natively support 10,000 web viewers, or leverage 3rd party content delivery solutions like Akamai, Verizon Edgecast and Wowza Media Systems
- **Easy deployments**—Polycom Services can help design the right architecture and deployment plan for your environment

RealPresence® Media Suite – Application Highlights

	Solution features	RealPresence Media Suite	RealPresence Media Suite Pro High Capacity Models
Recording experience	End-user self-service recording workflows	✓	✓
	Point-to-Point and 2 endpoint recording without a bridge	✓	✓
	Multi-Point recording with a bridge	✓	✓
	Easy local recording for end-users with webcam and/or screen capture	✓	✓
	Admins can create recording templates to specify layout of the recordings	✓	✓
	Admins can create and manage Virtual Recording Rooms (VRRs)	✓	✓
	Distributed architecture for recording	✗	✓
	Support for Polycom high quality audio/video codec	✓	✓
Portal experience	Browser-based video portal for PC, Mac, iOS and Android	✓	✓
	Support for customization, branding with a modern look and feel	✓	✓
	Multi-track player with interactive features	✓	✓
	Immediate access to user archives	✓	✓
	Immediate user access to personal or published video archives	✓	✓
	Share recordings and media to public or private channels	✓	✓
	Key word search for videos, channels or users	✓	✓
	Video Call playback content to any stands-based endpoint	✓	✓
	Video playback to any standards based on H.323, SIP endpoint or MCU	✓	✓
Transcoding	Configurable templates to specify multiple bit rates	✓	✓
	Configurable templates to specify video file formats and device types	✓	✓
	Transcodes all video calls to H.264 (.mp4) or WMV video format and m4a audio	✓	✓
	Auto-generates thumbnail index from video, adds timecode watermark to video	✓	✓
Streaming	Admin webcasting workflows	✓	✓
	Easy local streaming for end-users with webcam and/or screen capture	✗	✓
	Pre-event workflows for end-users	✗	✓
	User self-service live webcasting wizard	✗	✓
	eCDN Support with physical or virtual appliances	✗	✓
	3rd Party CDN Support (Akamai, Verizon Edgecast, Wowza Media Systems)	✓	✓
System management	Support for standard H.323 gatekeepers and Polycom® RealPresence® Distributed Media Application™ (DMA®) (SIP)	✓	✓
	Monitor & manage distributed clustered machines with a single admin portal	✗	✓
	SNMP monitoring for greater reliability and manageability	✓	✓
	Policy controlled manual or automatic backup	✓	✓
	Off system storage to FTP server, and ability to auto-archive	✓	✓
	AES media encryption including SRTP Encryption (SRTP—AES 128/256) and secured signaling (TLS—1024)	✓	✓
	TLS/SSL and HTTPS support	✓	✓
	Active Directory integration—access and viewer permissions for users and AD groups	✓	✓

RealPresenceMedia Suite Models & Options

Configuration	Recording ports	Streaming ports	Deployment option
RealPresence Media Suite 6/3	6	3	Appliance* or Virtual Edition
RealPresence Media Suite 12/6	12	6	Appliance* or Virtual Edition
RealPresence Media Suite 18/9	18	9	Appliance* or Virtual Edition
RealPresence Media Suite 40/0	40	0	Appliance* or Virtual Edition
RealPresence Media Suite Pro 24/12	24	12	Appliance** Center, Physical or Virtual Distributed Nodes
RealPresence Media Suite Pro 60/30	60	30	Appliance** Center, Physical or Virtual Distributed Nodes
RealPresence Media Suite Pro 100/50	100	50	Appliance** Center, Physical or Virtual Distributed Nodes
6/3 Call Capacity Upgrade License	6	3	Software add-on to Appliance* or Virtual Edition
RealPresence Media Suite Pro License	0	0	Software add-on for Appliance* or Virtual Edition 6/3, 12/6, 18/9 and 40/0
RealPresence Media Suite Stream Upgrade – 500 Viewers	0	0	Software add-on for Appliance*, Virtual Edition

*RealPresence Media Suite Appliance 6/3, 12/6, 18/9 and 40/0, includes RealPresence Capture Server Appliance Edition as a solution bundle.

**RealPresence Media Suite Pro 24/12, 60/30 and 100/50 requires a minimum of one RealPresence Capture Server Appliance Edition, sold separately. For customers whose deployments require hardware for distributed nodes, additional RealPresence Capture Server Appliances can be optionally added.

RealPresence Capture Server Appliance Edition is a powerful, 2U high-capacity hardware RAID system, that provides excellent data-protection for 3.4 terabytes of high-performance storage. Hardware specifications can be found in the [RealPresence Capture Server Appliance Edition Hardware Specifications sheet](#).

Supported Protocols

Recording specifications

- Call protocols: H.323, SIP
- Support video codecs: H.264 , H.264 HP, H.263, H.263+, H.261
- Supported content protocols: H.239 in H.323 call BFCP (over TCP or UDP) in SIP call, up to 1080p30
- Supported audio codecs: G.711, G.722, G.722.1 and G.722.1C., G.729A, Siren 14 (mono & stereo), Siren 22 (mono & stereo), Siren LPR (mono & stereo)
- User Generated Content (UGC) supported file formats: MP4, MOV, RAW, WMV, M4A (audio only)
- Supported bitrate range: Up to 4M, if bitrate is less than 128K, then it is audio only call
- Supported resolutions (recording):
 - People Video - 1080p30, 720p, 4CIF, CIF
 - Content Video - H.263: XGA (30); H.264: 1080p30, 720p30
- Supported video resolutions (live or playback to VMR or endpoint): 1080p, 720p, 4CIF, CIF

Streaming specifications

- Streaming server: Native streaming engine built-in
- Media formats & protocols:
 - .wmv, MP4 unicast via RTSP
 - .wmv multicast via RTSP
 - H.264 (MP4) unicast via HLS (HTML5 player on iPhone/iPad/Android mobile)
 - H.264 (MP4) unicast via RTSP(Polycom player on PC/MAC, or
 - HTML5 player on Android with old version)
 - H.264 (MP4) unicast via IIS SmoothStream (Silverlight on PC/MAC)
 - H.264 (MP4) multicast via MP2TS(Polycom player)
- Advanced content distribution support
 - RealPresence Media Manager
 - Akamai
 - Verizon Edgecast
- Certified CDNs/external streaming server media formats & protocols

- Akamai (input: RTMP, output: RTMP/HLS)
- Edgecast (input: RTMP, output: IIS Smooth Streaming, HLS)
- Windows Media Server (Input: MSFT RTSP, output: MSFT RTSP)
- Wowza Media 3,4 (input: RTSP/RTMP, output: RTSP/RTMP/HLS/IIS Smooth Streaming)
- Microsoft IIS Media Services (input: MSFT IIS smooth streaming, output: IIS Smooth Streaming)
- FTP server (off-system storage only)
- Streaming capabilities/capacity
 - Unicast Live & VOD (500 includes with base model, up to 1000 max on RealPresence Media Suite; up to 10,000 max on RealPresence Media Suite Pro high capacity models)
 - Multicast Live .wmv & mp4 (up to 1,000 viewers)
- Media players
 - Windows Media Player for WMV unicast and multicast.

- H.264 (MP4) unicast and HLS (Akamai) with Polycom player(PC/MAC) or HTML5 player on mobile
- H.264 (MP4) multicast with Polycom player (PC/MAC)
- Polycom player (PC/MAC) and HTML5 on mobile (for Akamai stream)

Localization support

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

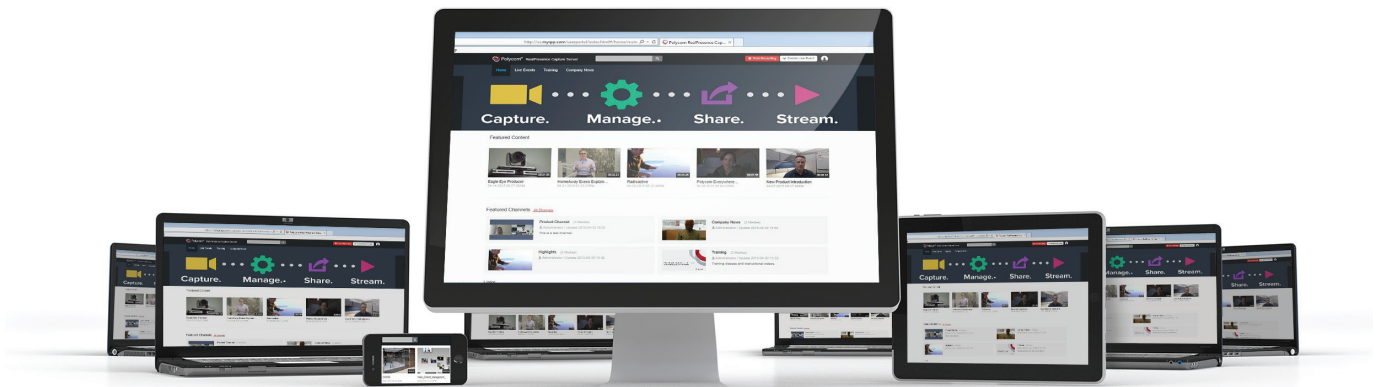
Services available

- **Polycom RealPresence Platform Solution Design**—Design the right architecture/design and deployment plan for your environment
- **Video Network Readiness**—Prepare your network for reliable high quality video capture and streaming services
- **Implementation Services**—Ensure a smooth, efficient on-site or remote deployment with knowledge transfer to help your organization get started

- **Support Services**—Keep up-to-date with the latest features/enhancements and protect your system from downtime. Choose from Polycom Premier, Partner Premier, Advantage and Elite Services, with options for one and three years

Hardware specifications can be found in the [RealPresence Capture Server Hardware Specifications sheet](#)

Software specifications can be found in the [RealPresence Platform, Virtual Edition requirements sheet](#)



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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