



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. 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 on-demand content into a multiparty meeting or conference room.

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 50,000 web viewers. Plus a rich set of powerful APIs enable organizations to innovate around business workflows and applications.

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
- **Harness 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 live or video on-demand 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 50,000 web viewers, or leverage 3rd party content delivery solutions like Akamai, Verizon Edgecast and Wowza Media Systems
- **Easy deployments**—Whether subscription or perpetual licensing, on premises, in a private cloud, or in the Amazon Web Services (AWS) cloud, Polycom 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/MCU	✓	✓
	Admins can create recording templates to specify layout of the recordings	✓	✓
	Closed Caption (CC) user generated or via preferred captioning provider	✓	✓
	Transcription and Closed Caption service via 3rd party integration	✓	✓
	Record from standards based 3rd party SIP and H.323 video endpoints	✓	✓
	Support for Polycom high quality audio/video codec	✓	✓
Portal experience	Browser-based Enterprise portal access for PC, Mac, iOS and Android users	✓	✓
	SSO (Single Sign on) & Integrated Windows Authentication (IWA) Support	✓	✓
	User alerts for system capacity once license threshold is reached	✓	✓
	Embedded player support (HTML5 & Flash)	✓	✓
	Multi-track player with interactive features	✓	✓
	Immediate access to user archives with access to personal or published video archives	✓	✓
	Share recordings and media to public or private channels	✓	✓
	Configurable multiple simultaneous content distribution methods	✓	✓
	Key word search for videos, channels or users	✓	✓
	Video playback to any standards based H.323 or SIP endpoint or MCU	✓	✓
	Transcodes all video calls to H.264 (.mp4), WMV video format, or m4a audio	✓	✓
	VMR auto publish to My Media Center	✓	✓
	Auto-generates thumbnail index from video, adds timecode watermark to video	✓	✓
Streaming	Standard Recording, Streaming & Playback 1080p30 in all base models	✓	✓
	Live stream URL failover	✓	✓
	Recording, Streaming & Playback resolution and frame rates up to 1080p60	Add on option	Add on option
	Configurable templates to specify multiple bit rates, video formats and devices that deliver high-quality, high-resolution live and VOD experiences	✓	✓
	Unicast and Multicast support	✓	✓
	Admin webcasting workflows	✓	✓
	3rd Party CDN Support (Akamai, Verizon Edgecast, Wowza Media Systems)	✓	✓
Management & Integration	Support for standards based SIP/H.323 Gatekeepers, Gateways, and MCUs, including Polycom® RealPresence® DMA	✓	✓
	Policy controlled manual or automatic backup	✓	✓
	Off system storage to FTP server, and ability to auto-archive	✓	✓
	Customizable roles and permissions	✓	✓
	Active Directory integration—access and viewer permissions for users and AD groups	✓	✓
	Automatically publish recordings to specific private or public channels	✓	✓

	Solution features	RealPresence Media Suite	RealPresence Media Suite Pro High Capacity Models
Pro Features	Native integration with Skype for Business	Available with Pro Add On or Upgrade to High Capacity Pro Model	✓
	Individual user video media & live event statistics		✓
	Media Editing (trim-head/tail, split, overlay)		✓
	Embed code support		✓
	Custom transcoding support for UCG & Media Editing		✓
	Distributed architecture with smart location based recording		✓
	Multicast in scalability mode and hierarchical streaming		✓
	Easy Capture local streaming and recording with webcam and/or screen capture		✓
	Pre-event workflows for end-users		✓
	User self-service live webcasting wizard		✓
	Auto start/end scheduled live event		✓
	Schedule one-time or recurring recording or live stream sessions		✓
	Document/Image file attachments supporting popular formats to video archive		✓
	eCDN support for up to 50,000 streams across 50 geo-location nodes		✓
	Amazon CloudFront CDN support		✓
	Monitor & manage distributed clustered machines with a single admin portal		✓
Platinum Options	Content Approval & Publishing	Add on to base models when RealPresence Media Suite Pro License is installed	Add on license for RealPresence Media Suite Pro HC
	Individual Survey/Test statistics		
	Moderated Q & A during live events		
	Manual Ratings and Content Popularity		
	Online survey, test and certificate support		
	User Usage & Engagement Statistics on System Access/Usage		

RealPresence Media Suite Models & Options

Configuration	Recording ports	Live encode ports	Deployment option
RealPresence Media Suite 2/1	2	1	Virtual Edition
RealPresence Media Suite 6/3	6	3	Appliance Edition, Virtual Edition or Cloud Edition
RealPresence Media Suite 12/6	12	6	
RealPresence Media Suite 18/9	18	9	
RealPresence Media Suite 40/0	40	0	
RealPresence Media Suite Pro 24/12	24	12	
RealPresence Media Suite Pro 60/30	60	30	
RealPresence Media Suite Pro 100/50	100	50	
6/3 Call Capacity Upgrade License	6	3	Add-on to all RealPresence Media Suite Appliance Edition, Virtual Edition and Cloud Edition basic models
RealPresence Media Suite Pro License	0	0	
RealPresence Media Suite Platinum License	0	0	
RealPresence Media Suite Platinum Upgrade License	0	0	Upgrade from Basic license to Platinum license directly
RealPresence Media Suite Stream Upgrade 500 Viewers	0	0	Appliance Edition, Virtual Edition or Cloud 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 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, 1080p60 optional
 - Content Video - H.263: XGA (30); H.264: 1080p30, 720p30
- Supported video resolutions (live or playback to VMR or endpoint): 1080p, 720p, 4CIF, CIF
- Supported recording for Microsoft Skype for Business, RTV in VGA mode and RDP content

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) 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)
 - CloudFront (supports all HTTP based streaming protocols)
 - Edgecast (input: RTMP, output: HDS)
 - Wowza Media 4 (input: RTSP/RTMP, output: RTSP/RTMP/HLS)
 - FTP server (off-system storage only)
- Streaming capabilities/capacity
 - Live stream URL failover
 - Unicast Live & VOD (500 includes with base model, up to 1000 max on RealPresence Media Suite; up to 50,000 max on RealPresence Media Suite Pro high capacity models)
 - Multicast Live .wmv & mp4 (up to 50,000 viewers)
- Media players
 - Polycom Player
 - HTML5 Player
 - Flash Player
 - 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)

Networking and Security

- TLS v1.2/SSL and HTTPS support
- SNMP monitoring
- AES media encryption including SRTP Encryption (SRTP—AES 128/256) and secured signaling (TLS—1024)
- Encrypted Media Streams – supports 256 bit encryption ciphers on media streams

- CRL Support - certification revocation check via OCSP or CRL based on the configuration
- CSR Compliant support
- Secure software package delivery
- LDAP/Active Directory support
- Customizable user authentication

System high availability support

- Media Suite Center using VMware HA

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 Media Suite Administrator's Guide and Release Notes, on support.polycom.com

Polycom, Inc.
1.800.POLYCOM
www.polycom.com

Polycom Asia Pacific Pte Ltd
+65 6389 9200
www.polycom.com.sg

Polycom EMEA
+44 (0)1753 723282
www.polycom.co.uk

