

Polycom[®] VMC 1000 Video Media Center

Technical Frequently Asked Questions

What is the Polycom VMC 1000?

Polycom Video Media Center™ (VMC 1000) is a video content management solution enabling organizations to centrally manage, leverage and protect all of their video content.

What are the major features & benefits of the VMC 1000?

Feature	Benefit
Real-time & On-Demand Streaming	Ensure consistent message delivery and enable users to view enterprise video content regardless of location or schedule
Capture video conferences, corporate communications, and more	Leverage existing infrastructure for capturing content. Eliminate manual steps required to capture and secure content.
Publish, package, and customize content	Empower users to manage content and maximize efficiency of information delivery
Archive content for long-term storage	Ensure compliance by preserving the integrity of video content
Track and report on viewership, content statistics	Verify employee/organizational compliance and measure effectiveness of messaging
Secure enterprise content from creation to expiration	Streamline processes while maintaining most up to date content

Interoperating within a Video Conferencing (VC) Network

What roles do the VMC 1000 and RSS 2000 play in a VC network?

The RSS 2000 provides a recording capability for H.323 video recording device content and will convert that content into Windows Media format. The VMC 1000 completes the solution for video content management by offering storage, content management, security, publishing and streaming components for live and on demand usage.

How does the VMC 1000 work with the RSS 2000?

The VMC 1000 polls the RSS 2000 for live or recorded content at specified intervals. The VMC 1000 creates a program for both live or on demand content and makes it available for viewing.



What other video conferencing products does the VMC interoperate with?

The VMC 1000 interoperability with other video conferencing products is through the RSS 2000. Any H.323 standards based video conferencing endpoint can have video recorded or streamed by a RSS 2000 which will then be made accessible as a VoD or live stream to the VMC 1000.

Can I use the VMC 1000 if I don't have a videoconferencing network?

The VMC 1000 can be used independently from a video conferencing network. VMC 1000 programs can also be created with externally created Windows Media vide files.

How many RSS 2000s can be registered with a single VMC 1000?

A single VMC 1000 can have several RSS 2000s registered with it to act as the centralized repository for all recorded content.

Streaming

How high does the VMC 1000 scale for video streaming?

The VMC 1000 supports a maximum of 1,000 concurrent unicast streams and an unlimited number of streams in multicast.

In unicast mode, a distinct connection is created between VMC 1000 and each viewer (up to a thousand viewers). Bandwidth use on the network is determined by the number of connections and size of the stream.

In multicast-enabled network, a single stream is sent out from the VMC 1000 and the stream is replicated at each router fork. Network bandwidth usage is thus reduced with a multicast environment.

How many live streams can a single VMC 1000 host at any given time?

The VMC 1000 can broadcast as many live streams at any given time as there are RSS 2000s available. During any live broadcast, video on demand streams are also made accessible to viewers.

Can I secure access to events that are streaming live?

Yes. Administrators can secure live streams on the VMC 1000 by either applying a pin code to an event or by using access control thereby allowing only authorized users to view the stream.

Which media players are supported in VMC 1000?

Windows Media Player format is supported including, .asf, .wmv, and .wma.



Management

How do I monitor the VMC 1000?

The VMC 1000 has system monitoring and alert tools for CPU usage, data storage, memory usage and services.

How can I be ensured that access to the video content is secured?

VMC 1000 has different levels of security built in. Content can be designated as viewable to everyone, secured via pin code or requires login and authentication.

The VMC 1000 also provides role based access control to the different portals in the VMC 1000 – View Portal and Administrator portal. These roles govern the level of access within the VMC 1000.

What types of roles can access the VMC 1000?

There are 3 roles available in the VMC 1000.

- **Super Administrators** – This role has access to all sections of the application, including Administrator portal and the Viewing portal. Super Administrators can manage the configuration settings of the VMC 1000 unit and video content, and have access to modify IP settings, LDAP configuration and other system settings. Super Administrator is the only role that can create new categories for the content organizational structure.
- **Broadcasters** – This role manages the content from videos to other media files within the VMC 1000 Administrator portal. They perform post-event editing so content can be published into a program for viewing. They also manage access controls to their published content.
- **Viewers** – People with this role only have access to the Viewing portal, for view content they have been granted access to.

I'm concerned about compliance. When I edit my video file using the VMC 1000's trimming capability, does my file remain intact?

VMC 1000 does not use destructive editing so the video file remains intact. Time stamping a file with a beginning and ending marker allows the VMC 1000 to recognize which section of the video file should be made playable for the viewer.

What if I wanted to truly edit the file by inserting clips and rearranging the sequence of the video file?

The VMC 1000 allows for offloading the file so that it can be edited by video editing tools. As long as the final edited video file is in Windows Media format, it can be uploaded back into the VMC 1000 for Video on Demand viewing.



Storage

How many videos can I store on the VMC 1000?

The amount of storable videos is dependent on the speed of the recorded video calls. The VMC 1000 can store approximately 7,500 hours of recorded 384 kbps content. If calls are recorded at a lower bit rate, then more hours of recorded content can be stored on the VMC 1000. The amount of HD content that can be stored on the VMC 1000 is dependent on the speed of the call.

What are the specifications on the storage availability?

The VMC 1000 offers 2x750 GB mirrored hard drives in a RAID 1 setup.

Web Interface

Can the viewer portal be customized?

The portal itself can be branded any organizations logo. The Welcome Area on the home page of the portal can also be designed with clear targeted messages and images greeting users to the portal.

Individual video programs can be highlighted in the Feature Channel section, and upon login, users will view all privileged content made available to them.

What Web browsers are supported with VMC 1000?

Viewer Portal browsers include Firefox 2.0 and above, and Internet Explorer 6.0 and above. The administrator portal includes Internet Explorer 6.0

