

VidyoPortal™ & VidyoRouter™

Essential Components of Vidyo™ Conferencing



VidyoPortal™ and VidyoRouter™ are essential components of the Vidyo™ Conferencing solution, delivering HD multipoint video conferencing cost-effectively to today's borderless organizations.

Supports resolutions up to 1440p...and you never pay extra for HD

Connects users from any device and location over everyday networks

Smarter infrastructure eases deployment, scales seamlessly and lowers cost

Modern video conferencing starts with a smarter infrastructure

Vidyo offers all the advantages of a software-based infrastructure with the quality, reach and cost savings needed to bring the power of video collaboration into your world.

VidyoPortal™ and VidyoRouter™ are essential components that make Vidyo™ Conferencing the only collaboration platform to deliver a telepresence experience to mobile, PC, room and Telepresence users over any general-purpose IP network. Designed from the ground up for HD-quality multipoint conferences with hundreds of participants, VidyoConferencing moves telepresence beyond the confines of custom-built studios and provides access to everyone no matter where they are or what device they choose.

Unlike legacy systems that rely on expensive Multipoint Control Units (MCUs) for centralized bridging and transcoding, VidyoRouter performs transcoding-free lightweight packet switching using our patented Adaptive Video Layering™ technology. VidyoRouter dynamically optimizes video streams to the capabilities of each individual endpoint and network conditions. VidyoPortal manages the VidyoConferencing infrastructure through a web-based interface that is both intuitive and productive for administrators and end users. This smarter architecture improves the overall video conferencing experience while dramatically reducing the cost of ownership to just pennies per minute.

Benefits of the Vidyo infrastructure

- Easy, secure and simple service provisioning (for registered and non-registered guests)
- Support for any device: Android™, iOS™, Windows™, Mac™, Linux, Room and Telepresence systems
- 90% lower cost than legacy video conferencing MCUs
- No expensive reservation of dedicated hardware ports required
- No expensive QoS networks required

VidyoPortal™

VidyoPortal and VidyoRouter software applications run on general-purpose compute platforms, and provide a range of enterprise-class video conferencing capabilities.



One-click or one-touch to attend a meeting, activate a speed dial, or invite unregistered guests to participate.

For Administrators

- Create and manage personal and public reservation-less meeting rooms
- Create and manage network elements and users of the VidyoConferencing system
- Manage system licensing for floating VidyoLine licenses across VidyoRouters (provides central repository for concurrent-use licenses available to all distributed VidyoRouters at all times)
- Automate software updates for a variety of Windows, Mac and Linux devices as well as room and Telepresence systems
- Create multi-tenant capabilities for multiple virtual video conferencing systems on the same hardware

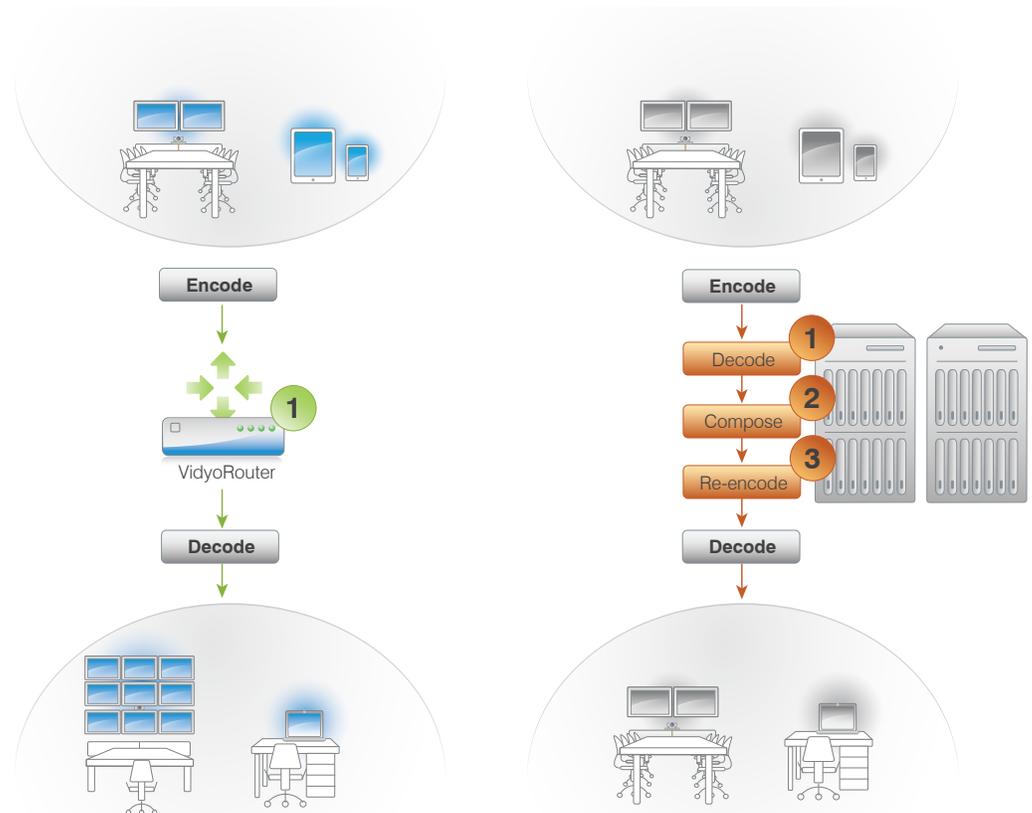
For End Users

- Intuitive web-based interface and self-service convenience
- Allows users to set personal preferences, manage their own permissions, moderate their own meetings, access the public directory, create groups and speed dial lists
- Allows user-specific customizations including logos and guest invite messages

VidyoRouter™

Our patented Adaptive Video Layering™ and use of H.264 SVC standard enables transcoding-free video packet processing — video streams are dynamically optimized to the capabilities of each endpoint device and to network conditions. As the engine that powers Vidyo™ Conferencing, VidyoRouter™:

- Supports up to 1440p/60fps with ultra-low latency (<20ms)
- Performs on general-purpose IP networks, eliminates need for expensive QoS networks
- Secures signaling links by TLS and media streams through SRTP and industry standard AES 128-bit encryption
- Easily extends system capacity with additional networked VidyoRouter instances



VidyoRouter eliminates the need for CPU-intensive, high latency transcoding infrastructure. With VidyoRouter, you get distributed processing and media-aware, intelligent packet routing for scalable and low-latency HD multipoint video conferencing.

Related products

All you need to get started with VidyoConferencing are the VidyoPortal™ and VidyoRouter components running on general-purpose compute platforms. It's easy to add new capabilities and capacity as your needs evolve:

- VidyoLines™: A floating, perpetual license for a single logical connection through VidyoRouter. VidyoLines are shared among users and only consumed while a soft client is connected through the VidyoRouter.
- VidyoGateway™: Integrates legacy endpoints and MCUs with your VidyoConferencing system
- VidyoReplay™: Records and streams both live and pre-recorded conferences
- VidyoRouter™: Each additional VidyoRouter instance extends capacity in increments of 100 concurrent connections.

Specifications

VidyoPortal™

User Accounts	Total: 10,000 Active: 2,500
Tenants	Active: 100
Languages	English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Simplified Chinese, Spanish
Web Browser Support	Microsoft Internet Explorer 6, 7, 8, Mozilla Firefox 3, Apple Safari 3, 4, Google Chrome

VidyoRouter™

Concurrent Connections	Up to 100 (50 when a single system hosts both VidyoPortal and an embedded VidyoRouter)
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Shared Specifications

Power Supply	1 x 250W, 100-240v, 4-2A, 60-50Hz
Operating Temperature	10 to 35° C (50 to 95° F)
Non-Operating Temperature	-40 to 65° C (-40 to 149° F)
Humidity Range	10% to 90% (non-condensing)
Non-Operating Humidity Range	5% to 95% (non-condensing)
Regulatory	EMI/EMC: EN55022, EN55024, FCC, VCCI, Australian/ New Zealand, MIC (Korea) Safety: USA: TUV certified; Canada: TUV certified; Europe/CE Mark EN 60950/IEC 60950-Compliant; China: CCC Certification Environmental: RoHS compliant
Dimensions	1U Rack-mount: H: 1.67" (42.6 mm) W: 15.5" (393.7 mm) D: 17.1" (431 mm) 17.76 lbs. (8.058 kg)
Mounting	Slide rail kit included



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