



Vidyo Virtual Infrastructure

Multipoint video conferencing with on-demand scalability in virtualized deployments

Vidyo has sparked a revolution in video conferencing with the industry's first software-based architecture to deliver "personal telepresence." Powered by the Vidyo infrastructure, this transcode-free architecture delivers telepresence quality over everyday IP networks, and supports video collaboration among tens of thousands of mobile, desktop and room-based endpoints...all at a fraction of the cost of traditional solutions. And now, virtual editions of Vidyo infrastructure components deliver the performance of dedicated appliances, but hosted on your existing server and cloud computing resources.

Components

VidyoRouter™ VE

VidyoRouter VE uses patented Adaptive Video Layering™ technology to perform transcode-free packet switching over common IP networks. The result is high-quality multipoint video conferencing that is dynamically optimized for each endpoint, unencumbered by delay and free from broken images. Dramatically more efficient than virtualized MCU emulators, each VidyoRouter VE instance can support up to 100 simultaneous HD connections; to increase capacity, simply deploy additional instances of VidyoRouter anywhere in the network.

- Manage and optimize up to 100 HD streams for multipoint conferences
- Supports native rate and resolution matching per endpoint, up to 1440p/60fps
- 12X more resource-efficient than the typical soft or virtualized MCU
- Available in two capacities:
VidyoRouter VE 100 and VidyoRouter VE 25

VidyoPortal™ VE

VidyoPortal™ VE provides enterprise-class management tools accessible through an intuitive, browser-based interface and the capacity to support tens of thousands of users, including independent tenants.

- Create personal and public persistent meeting rooms
- Configure bandwidth policies, user groups, and multiple tenants
- Serve client software and upgrades to Vidyo endpoints

VidyoGateway™ VE

Available in both physical and virtual form factors, VidyoGateway™ integrates H.323 and SIP-based video conferencing equipment with the Vidyo infrastructure to extend the life of legacy systems as you deploy new Vidyo endpoints. Because calls through the VidyoGateway do not consume VidyoLine™ licenses, integration with legacy endpoints is both easy and affordable. VidyoGateway also enables voice integration for enterprise IP PBX systems with the Vidyo deployment.


- Provides packet-loss error resiliency over the Internet through VidyoRouter – no external QoS required if co-located with legacy endpoints
- Supports clustering, load balancing, and failover to enhance capacity and resiliency
- Supports H.264 SVC, H.264 AVC, H.263 (video), G.711, G.722 (audio), H.323 and SIP (signaling), H.235 AES Encryption for H.323 legacy endpoints, H.239 (data sharing), and H.224 Far-end Camera Control (FECC)

VidyoDashboard™ VE

VidyoDashboard™ gives you visualization and analysis tools to monitor the health, utilization, and usage trends of your Vidyo deployment, and serves as a virtualized data collector for multiple Vidyo components, including VidyoRouter, VidyoPortal, and VidyoGateway.

- Utilization and performance reports
- License and software tracking
- Conference detail record analysis

Specifications

	VidyoRouter™ VE	VidyoPortal™ VE	VidyoGateway™ VE	VidyoDashboard™ VE
Capacity*	100 concurrent HD connections VidyoRouter VE 25: 25 concurrent HD connections	Registered Users: Up to 10,000 Active Users: Up to 2,500 Tenants: 100	2x HD 1080p30 @ 2Mbps, or 5x HD 720p30 @ 1Mbps 15x SD @ 768Kbps 25x CIF @ 384Kbps 50 audio ports	CDR data: 50 GB (maximum) Number of Vidyo components: no pre-defined limit
Hypervisor	VMWare® ESXi 5.0 or higher	VMWare® ESXi 5.0 or higher	VMWare® ESXi 5.0 or higher (Enterprise Edition)	VMWare® ESXi 5.0 or higher
Host Server Requirements	Intel-based server with a minimum Xeon 56xx Series at 2.4 GHz or faster, supporting Intel Westmere (or newer) architecture, with AES-NI and hyper-threading enabled; 1 Gbps NIC			CPU: 64-bit x86, 2.4 GHz (minimum), dual-core or better, 1.7 GHz or faster per core RAM: 2GB (8 GB or more recommended) Disk: 10 GB (50 GB or more recommended)
Dedicated CPU Recommended*	Yes	Not required	Yes	Not required
Resource Allocation	VidyoRouter VE 100: 8 vCPU, 8GB vRAM, 20 GB vDisk VidyoRouter VE 25: 4 vCPU, 4 GB vRAM, 20 GB vDisk	8 vCPU, 8 GB vRAM, 500 GB vDisk	22 vCPU, 8 GB vRAM, 4.1 GB vDisk	vCPUs: 1 (minimum), 2 (default) RAM: 2GB (minimum), 4 GB (default) Disk: 10 GB (minimum), 50 GB (default)
Resource Reservation	VidyoRouter VE 100: 18 GHz CPU, 5 GB RAM VidyoRouter VE 25: 9 GHz CPU, 4 GB RAM	Not required	22 GHz CPU, 6 GB RAM	Not required
Certification	Virtual appliance certified "VMware Ready" 			

*Capacity and resource specifications based on deployment of a single VidyoRouter VE or VidyoGateway VE component per physical appliance.



Vidyo, Inc. (Corporate Headquarters)
433 Hackensack Ave., Hackensack, NJ 07601, USA
Tel: 201.289.8597 Toll-free: 866.998.4396
Email: vidyoinfo@vidyo.com

EMEA emea@vidyo.com +33 (0) 488 718 823	APAC apac@vidyo.com +852 3478 3870	INDIA india@vidyo.com +91 124 4111671
--	---	--