Vidyo®
Personal Telepresence

VidyoRouter™

Smarter VidyoConferencing™

VidyoRouter™ is an essential component of the VidyoConferencing™ infrastructure. VidyoRouter uses our 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 legacy MCU equipment, each VidyoRouter can support up to 100 simultaneous HD connections; to increase capacity, simply deploy an additional VidyoRouter anywhere in the network. This smarter infrastructure improves the overall video conferencing experience and reduces the cost of ownership, making for effective and affordable large-scale deployments.

Key Features

Quality and Performance

• Implements Adaptive Video Layering™ for dynamic performance optimization per connected user

• Supports native rate and resolution matching per endpoint, up to 1440p/60fps

• Sustains conferences even during periods of high packet loss (up to 20 percent)

• Delivers HD quality over low-bandwidth connections (as low as 384 kbps)

• Secures signaling links by TLS and media streams through SRTP

Deployment Flexibility

• Available as a physical or a virtual appliance

• Extends system capacity with additional networked VidyoRouter instances

• Supports distributed network deployment models for bandwidth savings through traffic localization and simplified firewall traversal

• Supports all types of endpoints, including room-based, desktop and mobile devices

• Interoperates with legacy systems via the VidyoGateway™ appliance or the VidyoWay™ interconnectivity service

Low Cost of Ownership

• Imperceptible latency of less than 20 ms - 10x lower than transcoding MCU

• Reduces total cost of ownership by 90% compared with MCU-based systems

• Small footprint: a 1U physical or virtual appliance supports 100 HD connections

• Maximizes asset utilization with "follow-the-sun" floating capacity licenses

• Reliable performance on general-purpose IP networks extends reach to remote and mobile participants, and eliminates the need for expensive QoS-enhanced links

• Consistent user experience increases adoption rates and speeds ROI

VidyoRouter Virtual Edition (VE)

• Same performance and capacity as the VidyoRouter appliance

• Easy to deploy, manage, and scale

• Requires VMware ESXi 5.0 and available resources:

 – vCPU: 8 (18 Ghz reserved)

 – vRAM: 8GB (5.2GB reserved)

 – vDISK: 20GB

Specifications

	VidyoRouter™	VidyoRouter™ XL
Capacity	Simultaneous connections: 100 HD	Simultaneous connections: 100 HD
Power Supply	Input: 100-240v ~, 4-2A, 50-60Hz Output: 250W Non-Redundant (auto-ranging)	Input: 100-240v ~, 3.5A, 50-60Hz Output: 2x 500W Redundant (auto-ranging, 80+ GOLD)
Dimensions	Form Factor - 1U rack mount Dimensions (HxWxD) without ear and bezel Height - 1.67" (42.6 mm) Width - 15.5" (393.7 mm) Depth - 17.1" (431 mm)	Form Factor - 1U rack mount Dimensions (HxWxD) without ear and bezel Height - 1.69" (43.0 mm) Width - 17.09" (434.0 mm) Depth - 24.69" (627.1 mm)
Gross Weight	17.76 lbs (8.058 kg)	35.02 lbs (15.9 kg)
Rack Support	ReadyRails static rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded and 2-post (Telco) racks	ReadyRails™ sliding rails with optional cable management arm for 4-post racks (optional adapter brackets required for threaded hole racks); ReadyRails static rails for 2-post and 4-post racks
Ports	2x RJ45 LAN ports - 100BASE-TX, and 1000BASE-T 1x External Serial Port 2x USB2.0 ports 1x eSATA port 1x VGA port	2x RJ45 LAN ports - 100BASE-TX, and 1000BASE-T 1x External Serial Port 1x VGA port 2x USB2.0 ports
Operating Environment	Operating Temperature (for altitude ≤ 900m or 2952.75ft): 10°C to 35°C (50°F to 95°F) Non-Operating Temperature: -40 to 65˚ C (-40 to 149˚ F) Operating Humidity Range: 10% to 90% (non-condensing) Non-Operating Humidity Range: 5% to 95%	
Regulatory	**Safety:** EN 60950-1:2006, A11:2009 / IEC 60950-1:2005 ed2 **EMC:** EN 55022:2006 +A1:2007 / CISPR 22:2005 +A1:2005 +A2:2006 EN 55024:1998 +A1:2001 +A2:2003 / CISPR 24:1997 +A1:2001 +A2:2002 EN 61000-3-2:2006 +A1:2009 +A2:2009 / IEC 61000-3-2:2005 +A1:2008 +A2:2009 EN 61000-3-3:2008 / IEC 61000-3-3:2008 Australia C-TICK Class A; Argentina IRAM; Canada NRTL ICES Class A; China CCC Class A; Croatia KONCAR Class A; European Union CE Class A; Germany TUV IECEE IECEE CB; Israel SII Class A; Japan VCCI Class A; Mexico NOM; Moldova INSM Class A; Nigeria SONCAP; Norway NEMKO Class A; Russia GOST Class A; South Africa NRCS SABS Class A; South Korea KC Class A; Taiwan BSMI Class A; United States NRTL FCC Class A; Vietnam ICT Class A.	**Safety:** EN 60950-1:2006 / IEC 60950-1:2005 ed2 **EMC:** EN 55022:2006 +A1:2007 / CISPR 22:2005 +A1:2005 EN 55024:1998 +A1:2001 +A2:2003 / CISPR 24:1997 (modified) +A1:2001 +A2:2002 EN 61000-3-2:2006 / IEC 61000-3-2:2005 (Class D) EN 61000-3-3:1995 +A1:2001 +A2:2005 / IEC 61000-3-3:1994 +A1:2001 +A2:2005 Australia C-TICK Class A; Argentina IRAM; Canada NRTL ICES Class A; China CCC Class A; Croatia KONCAR Class A; European Union CE Class A; Germany TUV IECEE IECEE CB; Israel SII Class A; Japan VCCI Class A; Mexico NOM; Moldova INSM Class A; Nigeria SONCAP; Norway NEMKO Class A; Russia GOST Class A; South Africa NRCS SABS Class A; South Korea KC Class A; Taiwan BSMI Class A; United States NRTL FCC Class A; Vietnam ICT Class A.