

# VidyoGateway™

Flexible and Affordable Interoperability

## Business Challenge

Enterprises have turned to video conferencing technology to enhance worker collaboration and efficiency. Many have made significant investments in video and voice conferencing systems but want to move to more modern platforms for higher quality collaboration. Enterprises demand high quality video conferencing technology that is flexible that works with existing legacy systems.

VidyoGateway delivers robust interoperability for third party voice and video conferencing systems

**Quality matters.**

## Solution Overview

Enterprises are rapidly increasing the use of video conferencing technology for collaboration. This includes the use of newer technologies for desktop and mobile based video endpoints providing users with the flexibility to conveniently collaborate from anywhere. The VidyoConferencing™ platform delivers stunning video quality with robust reliability that enterprises demand. With the VidyoGateway™ enterprises can take full advantage of the VidyoConferencing platform while still leveraging investments made in legacy technology.

The VidyoGateway brings interoperability from third party voice and video systems into the VidyoConferencing platform. Meeting participants joining from third party H.323 and SIP based systems get full bidirectional audio and video capability along with advanced capabilities such as content sharing, far end camera control, encryption, DTMF controls, and more.

For IT managers, the VidyoGateway is easily deployed either as a turnkey network appliance or virtualized software package. The VidyoGateway provides numerous IT friendly features including clustering for increased capacity and redundancy, integration into third party call control, firewall/NAT traversal, and many more.

## Exceptional User Experience

- Connect and control third party H.323 and SIP endpoints and cameras
- Share content between H.323, SIP and Vidyo endpoints
- Manage call the in-call experience through DTMF commands
- Customizable Interactive Voice Response (IVR), participant join/leave and recording indicators
- Receive the best call quality possible with automatic bit rate and resolution matching
- Easily connect to conferences with built in firewall and NAT traversal support

## IT Benefits

- Automatically sizes capacity to allocated VM resources
- Clustering and high availability deployment options enhance capacity and resiliency
- Simplify administration, configuration and maintenance with centralized web-based interface
- Leverage built-in security management: SSL certificates, private key management, and HTTPS all FIPS 140-2 compliant

# Specifications

	VidyoGateway™	VidyoGateway™ XL	VidyoGateway™ VE					
<b>Capacity</b>	1x 720p30 4x SD 12x CIF 50x audio only	2x 1080p30 or 5x 720p30 15x SD 25x CIF 50x audio only	<b>Resource Allocation</b>	<b>1080p</b>	<b>720p</b>	<b>SD</b>	<b>CIF</b>	<b>Audio</b>
			2 GHz, 2GB RAM	N/A	1	2	4	10
			4.4GHz, 2GB RAM	1	2	4	8	20
			8.8GHz, 6GB RAM	2	4	9	15	50
			12GHz, 8GB RAM	3	5	12	25	75
			20GHz, 12GB RAM	4	8	18	50	100
			25GHz, 15GB RAM	5	10	20	50	125
<b>Content Sharing</b>	up to 720p	up to 1080p30	up to 1080p30					
<b>Protocols and Standards</b>	<b>Video:</b> H.264 SVC (UCIF mode 2s), H.264 AVC, H.263 <b>Audio:</b> G.711, G.722, Opus <b>Signaling:</b> H.323 and SIP <b>Data Sharing:</b> H.239, BFCP <b>Encryption:</b> SRTP, H.235 AES, and TLS <b>Far-end Camera Control (FECC):</b> H.224 <b>Dialing:</b> E.164, URI (H.323 Annex O and SIP URI) <b>Firewall/NAT Traversal:</b> RFCs 7362, 3581 and 5626							
<b>Layouts</b>	Gallery View, Continuous Presence, Active Speaker							
<b>Power Supply</b>	<b>Input:</b> 100-240v ~, 4-2A, 50-60Hz <b>Output:</b> 250W Non-Redundant (auto-ranging) <b>Consumption:</b> 69W (idle), 86W (full load) <b>Dissipation:</b> 112 BTU (idle), 300 BTU (full load)	<b>Input:</b> 100-240v ~, 3.5A, 50-60Hz <b>Output:</b> 2x 550W Redundant (auto-ranging, Platinum efficiency) <b>Consumption:</b> 112W (idle), 210W (full load) <b>Dissipation:</b> 245 BTU (idle), 645 BTU (full load)	<b>Hypervisor</b> VMWare® ESXi 5.0 or higher (Enterprise Edition)					
<b>Physical</b>	<b>Dimensions (HxWxD)</b> without ear and bezel: <b>Height:</b> 1.67" (42.6 mm) <b>Width:</b> 15.5" (393.7 mm) <b>Depth:</b> 17.1" (431 mm) <b>Weight:</b> 17.76 lbs (8.058 kg) <b>Form Factor:</b> 1U Rack mount (ReadyRails™ static rails included)	<b>Dimensions (HxWxD)</b> without ear and bezel: <b>Height:</b> 1.69" (42.8 mm) <b>Width:</b> 17.09" (434.0 mm) <b>Depth:</b> 25.28" (642.3.1 mm) <b>Weight:</b> 43.87 lbs (19.9 kg) <b>Form Factor:</b> 1U Rack mount (ReadyRails™ sliding rails included)	<b>Host Server Requirements</b> Intel-based servers 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					
<b>Network</b>	2x RJ45 LAN ports: 100BASE-TX, and 1000BASE-T							
<b>Environment</b>	<b>Operating Temperature Range:</b> 10° to 35°C (50° to 95°F) <b>Non-Operating Temperature Range:</b> -40° to 70°C (-40° to 158°F) <b>Operating Humidity Range:</b> 8% to 90% non-condensing <b>Non-Operating Humidity Range:</b> 5% to 95% non-condensing							
<b>Regulatory</b>	<b>NRTL Tested for Safety to the following Standard:</b> UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements) CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements) <b>Including the following additional standards:</b> EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 (which includes all European national differences) <b>EMC:</b> Electromagnetic Emissions: FCC Class A, EN 55022 Class A, EN 61000-3-2/-3-3, CISPR 22 Class A <b>Electromagnetic Immunity:</b> EN 55024/ CISPR 24, (EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11)		<b>Safety:</b> EN 60950-1:2006 / IEC 60950-1:2005 ed2 <b>EMC:</b> 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; EU CE Class A; Germany TÜV ; IECEE IECEE CB; Israel SIL 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					



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