

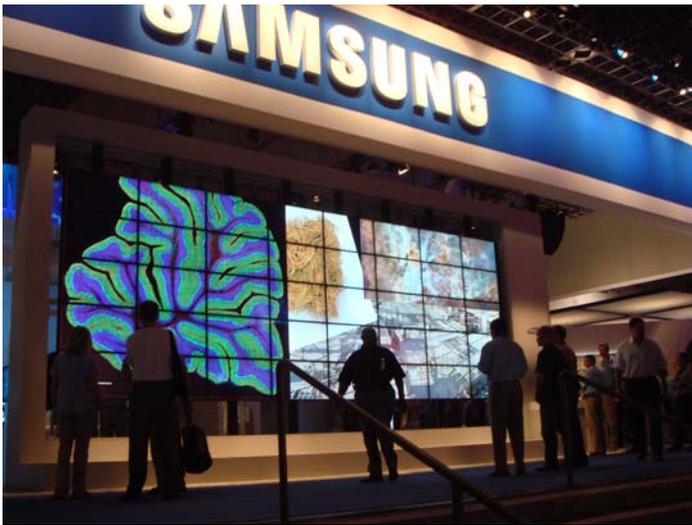
Case Study: D-Link Lends Network Performance To Breakthrough HIPerWall Video Wall Display



Hiperwall, Inc. is a commercial video wall display technology company that enables users to build a scalable, high performance video wall from ordinary computers, monitors and an Ethernet network. Based on research and technology developed at University of California at Irvine, and now available commercially, Hiperwall is a high performance, low-cost video wall software solution that can display a wide variety of content with unmatched speed, flexibility and functionality in extremely high-resolution.

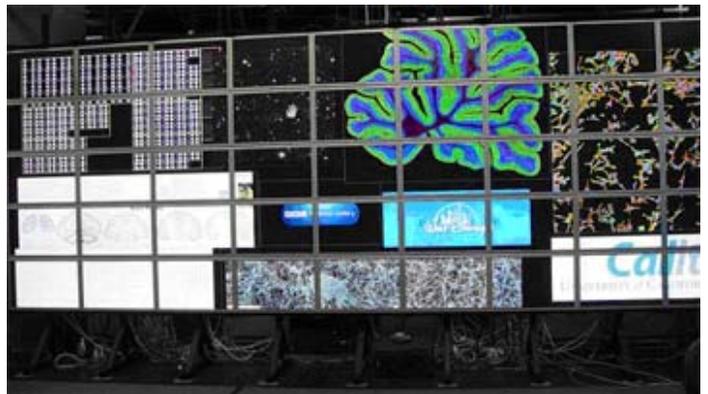
The Challenge

Hiperwall is a mammoth video display – a dazzling wall built of numerous high-definition monitors, each with its own imbedded computer for displaying standard and large (up to one gigabyte or larger) graphic images, high-definition (HD) digital movies, and streaming content from video cameras and other live feeds.



Spectators are dwarfed by the Hiperwall display at a tradeshow.

The key breakthrough of the Hiperwall system is a distributed software architecture that overcomes the performance limitations typically associated with the display of large or numerous items on multiple display devices. The result is a high performance, high-resolution visualization system that provides high scalability without requiring the need for any specialized hardware infrastructure. This creates multiple technical and business advantages, such as customized manipulation of the content on the screen.



Hiperwall lets you resize and relocate each content object anywhere on the video wall, within a single monitor or across multiple monitors.

When readying the impressive display for customer demonstrations at Hiperwall company headquarters, located in a lab on the UC Irvine campus, CEO Jeff Greenberg and his team ran into a snag. They needed to seamlessly stream various types of content – including unicast, multicast and broadcast formats -- to the display, but were experiencing 'flooding' because the existing switch and router equipment could not efficiently handle the content flow.

"It wasn't working exactly as we hoped because the equipment could not handle the combination of data types displayed on the wall," said Greenberg. "We needed a solution that could handle the traffic without sacrificing performance."

"The D-Link equipment delivered all of the performance we hoped for, giving our network the ability to effortlessly handle our demanding mix of unicast, multicast and broadcast traffic, while delivering uninterrupted access to all of our network resources."

— Jeff Greenberg, CEO, Hiperwall

"We were having problems accessing the Internet through our gateway and receiving DHCP services from our router," Greenberg said. "Our existing network infrastructure could not handle the traffic and we ended up with intermittent access to critical network resources."

The Solution

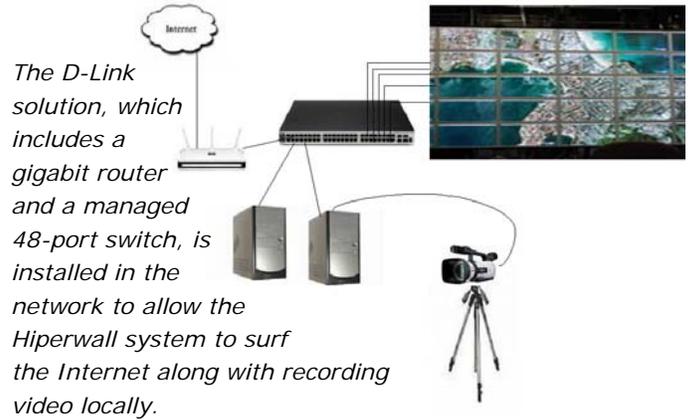
Greenberg decided to switch to D-Link® equipment because of a previous relationship between D-Link and UCI. His team installed a D-Link Managed 48-Port Gigabit Stackable Switch and a D-Link Xtreme N® Gigabit Router, after which D-Link engineers visited the site, made some standard changes to the switch configuration and installed a firmware upgrade.

"The D-Link equipment delivered all of the performance we hoped for, giving our network the ability to effortlessly handle our demanding mix of unicast,

uninterrupted access to all of our network resources," Greenberg said.

"With this switch/router combination in place, now we can do everything we set out to do," he added. "It solved all our problems."

With the D-Link equipment Greenberg now can confidently demonstrate Hiperwall's cutting edge capabilities to potential customers, including resizing and relocating each content object anywhere on the video wall, within a single monitor or across multiple monitors. Hiperwall also provides advanced capabilities like zoom, rotation, shading and transparency, enabling users to examine content with increased flexibility and effectiveness.



Featured Products

 <p>DGS-3100-48</p>	<p>Managed 48-Port Gigabit Stackable Layer 2 Switch + 4 combo SFP + 20 Gig Stacking</p>
 <p>DIR-655</p>	<p>Xtreme N® Gigabit Router</p>

Call or visit the web address below for more information on the complete line of business products:

www.dlink.com
877.528.7789

www.dlink.ca
800.354.6522

www.dlinkla.com
(56.2) 58.38.950

For more D-Link Case Studies visit:

www.dlink.com/casestudy

www.dlink.ca/business/casestudies.asp