

TVC-Deskside

Visualize, Interact, Innovate – In Your Office

Tungsten Visualization Cluster



Deskside Convenience

Powerful Interactivity

Large Display

Faster Visualization

Open Source Expertise

TVC-Deskside brings the visualization power of the Tungsten Visualization Cluster family of products to the desk, providing scientists with unprecedented interactivity and access. No more waiting for the visualization lab, now you can interact with your simulations, make discoveries, find solutions and innovate on your schedule. TVC-Deskside's three-node configuration provides the power necessary to render and manipulate even large data sets with ease. And its support for up to a six-panel display provides unprecedented clarity and details.

Deskside Convenience

Immediately explore your inspirations and ideas without having to leave your office or schedule time in the lab. Specifically designed to be quiet and cool, TVC-Deskside replaces your workstation and allows you to integrate visualization with other workstation applications.

Powerful Interactivity

TVC-deskside's large capacity can support all your visualization needs, now and as your data set grows.

Large Display

Efficient support for up to a six-panel (3x2) display wall allows you to see more data and more details as well as use visualization and your desktop applications on the same display.

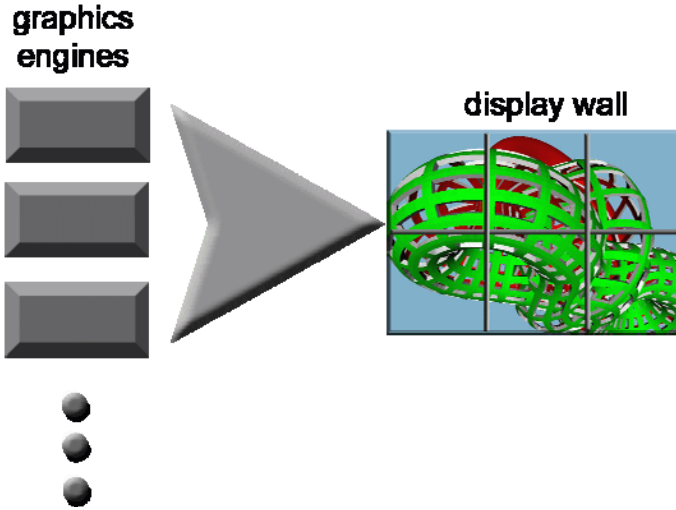
Faster Visualization

TVC-deskside delivers maximum performance by balancing computing and interconnect power to fully utilize all resources, providing faster visualization and greater interactivity that gets you the information you need.

Open Source Expertise

Tungsten Graphics expertise in Chromium and leadership in open source ensures that TVC will always be pioneering new levels of visualization—giving you greater ability to innovate and find solutions. In TVC, Tungsten Graphics delivers Enhanced Chromium for better performance, robustness, correctness and functionality.

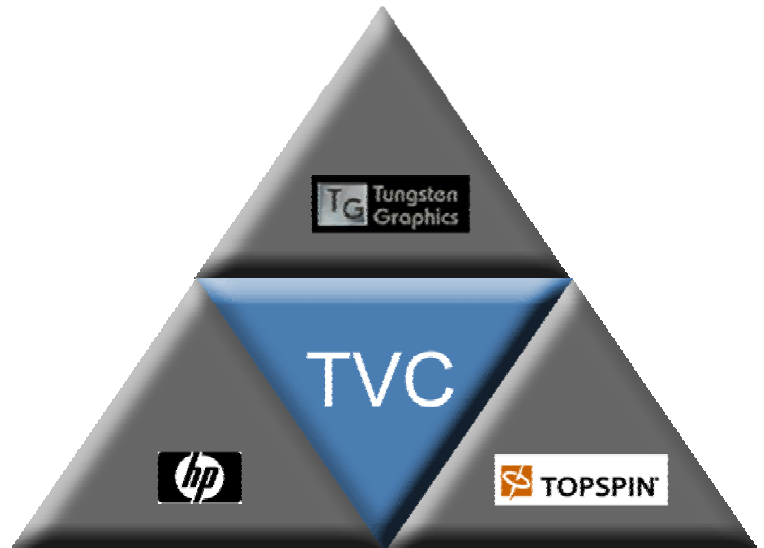
TVC Technology



The Tungsten Visualization Cluster (TVC) is a family of products optimized to deliver exceptional rendering performance. TVC is scalable in both the number of graphics engines and the size of the display wall. Each graphics engine renders a subset of the scene for the full display wall. TVC maximizes the utilization of each graphics engine, providing a responsive, interactive visualization system.

Expertise, Performance, Reliability

Only the Tungsten Visualization Cluster family of products integrates Tungsten Graphics' open source expertise with Topspin's high-performance InfiniBand™ interconnect and HP's powerful workstation engines to provide one seamless solution that has unprecedented capacity, interactivity and performance



System Features

Form Factor

- Deskside

Nodes

- Three HPxw9300 64-bit workstations

Display

- Six 19" HP 1955 flat panel monitors

Specifications Per Node

Processor

- Dual AMD Opteron™

Memory

- 2-16 GB DDR1-400 ECC

Bus

- 800-1 GHZ Hypertransport

Chipset

- NVIDIA nForce Pro with AMD HTP PCI-X Tunnel

PCI Express™

- Two x16 for graphics and I/O

PCI-X

- Three full height

PCI

- One full height

Drives

- 80, 250 or 400GB SATA; 36, 73, 146 or 300GB Ultra SCSI

Power Supply

- 700 watts

Graphics - PCIe

- NVIDIA Quadro FX 3400 and others available upon request.

Software

- TVC 1.2 System Software consisting of, TG-Enhanced Chromium, DMX, OpenGL, hardware drivers and TG cluster configuration tools.



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