FEATURES	BENEFITS
Span Any Application Across Multiple Displays	NVIDIA® SLI® Mosaic technology enables the operating system (OS) and any application to transparently scale across up to eight display channels. In this mode, it is invisible to the application that multiple Quadro GPUs are driving the displays; the system automatically presents a single large resolution display to the OS and handles the complexity of synchronizing the multiple GPUs and display channels.
Industry's Largest Graphics Memory	With 8 GB of graphics memory, Quadro Plex delivers high throughput for interactive visualization of large models, and high-performance for real-time processing of large textures and frames, while enabling the highest quality and highest resolution full-scene antialiasing (FSAA).
NVIDIA CUDA Parallel Computing Architecture	NVIDIA® CUDA™ is a revolutionary parallel computing architecture for NVIDIA Quadro GPUs, enabling breakthrough parallel processing performance in areas such as interactive ray tracing, finite element analysis, video and image processing, and computational fluid dynamics.
NVIDIA® Application Acceleration Engines	NVIDIA application acceleration engines are highly optimized software modules that enable developers to supercharge their products with high performance capabilities. When combined with Quadro Plex solutions, acceleration engines unleash advanced creative and investigative possibilities for professionals.

SUPPORTED PLATFORMS

- NVIDIA® Quadro® Plex compatible workstation
- Microsoft Windows XP (64-bit and 32-bit)
- Linux (64-bit and 32-bit)
- Solaris x86

NVIDIA QUADRO GPU ARCHITECTURE

- 4 GB graphics memory
- NVIDIA® CUDA™ architecture with 240 parallel processing cores per GPU
- 128-bit color precision (IEEE fp32 bit per component)
- 3D volumetric texture support
- Fully programmable GPU (OpenGL3.0/DirectX10)
- Shader Model 4.0

DISPLAY RESOLUTION SUPPORT

- Analog displays up to 2560x1600 @ 60Hz per GPU
- Dual-link DVI-I outputs – each capable of driving digital displays at resolutions up to 2560x1600 @ 60Hz
- Display up to 36 megapixels across eight displays using dual Quadro Plex 2200 D2 systems
- Native support for Sony 4K SXRD, JVC, and Barco large venue projector
- Frame synchronization via Quadro G-sync

To learn more about NVIDIA Quadro, go to **www.nvidia.com/quadroplex/svs**

Images courtesy of Landmark, a brand of Halliburton Drilling, Autodesk, Schlumberger, and Realtime Technology, AG.

NVIDIA

SEE THE BIG PICTURE
NVIDIA® QUADRO® PLEX SCALABLE VISUALIZATION SOLUTIONS

In today's competitive environment, realistic visual interpretation of information across high-resolution displays and projectors is critical for making timely business decisions. Historically, given the complexity in development and maintenance, high-resolution display implementations were confined to mission-critical applications and environments.

Now with the introduction of NVIDIA® Quadro® Plex scalable visualization solutions, deploying an ultra high-resolution, multi-display collaboration environment is both simple and economical.

Any application can now run seamlessly across ultra high-resolution displays, power walls, and 4K monitors and projectors using NVIDIA® Quadro® Plex scalable visualization solutions.

In the past, building a high-resolution visualization system was an expensive and cumbersome endeavor, requiring proprietary hardware or PC clusters with custom software to run in a multi-display configuration. Each application running on the cluster had to be customized to ensure that it could span across multiple displays, without any image tearing or artifacts. Due to this difficulty, many standard applications, such as Microsoft PowerPoint or Windows Media Player, could not run across multiple display channels.

Quadro Plex scalable visualization solutions solve these problems. Simply comprised of one or more Quadro Plex systems, connected to a single PC or server, Quadro Plex scalable visualization solutions are capable of displaying up to 36 megapixels across eight displays. In addition, these solutions can also deliver immersive 3D stereoscopic experiences.

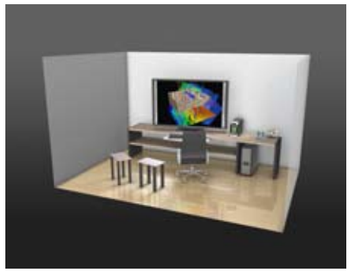
EIGHT DISPLAY CONFIGURATION FROM DUAL QUADRO PLEX 2200 D2 SYSTEMS RUNNING GOOGLE EARTH

DRIVE MANY DISPLAY CONFIGURATIONS FOR EASY DEPLOYMENT ACROSS MANY ENVIRONMENTS

Quadro Plex scalable visualization solutions provide flexibility to create environments based on a wide range of needs - from a single 4K display or projector to an eight display configuration. Power a wide range of affordable collaboration and interpretation environments throughout the enterprise and gain faster time to insight.

COLLABORATION ROOM

NETWORK OPERATIONS CENTER



INTERPRETATION DESKTOP

CONFERENCE ROOM

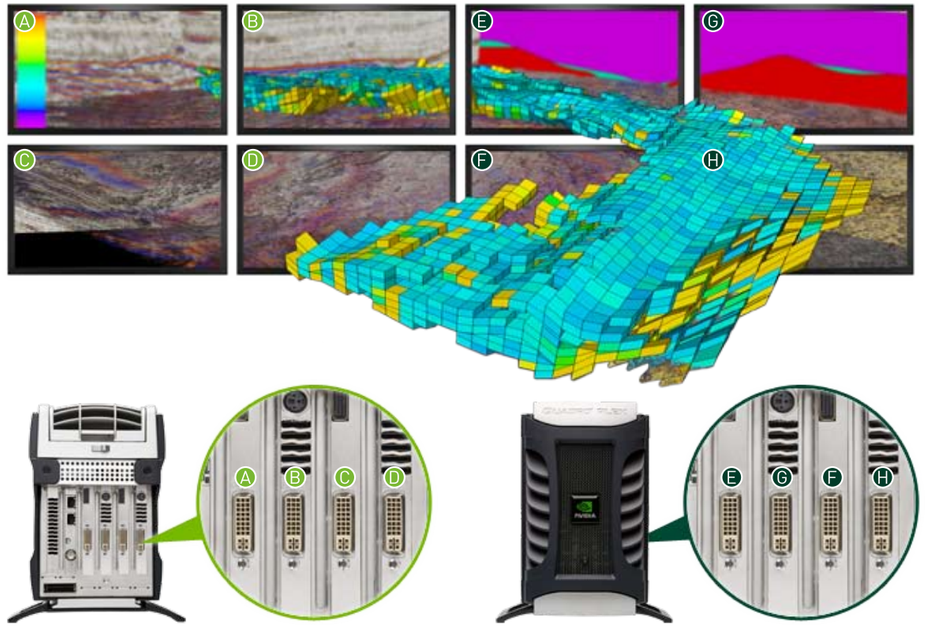
AUDITORIUM

TURNKEY HIGH-RESOLUTION, VISUALIZATION SOLUTIONS

Quadro Plex scalable visualization solutions provide the flexibility to be set up with any qualified PCI Express x16 platform and is certified on the industry's leading professional applications. The optional rack mount kit enables Quadro Plex systems to be installed within any standard 19" rack environment and only take up 3U of vertical space.

VISUALIZE MASSIVE 3D MODELS AND DATASETS

Providing advanced interactivity and realism of the most demanding applications and datasets, Quadro Plex systems feature dual Quadro FX 5800 GPUs for a combined 8 GB of graphics memory. Scale performance even further by connecting two Quadro Plex systems, with a total 16 GB of memory, to a single workstation. The NVIDIA® CompleX™ application acceleration engine maintains interactivity for large scenes as they exceed the limits of a single GPU, allowing massive datasets to be explored by harnessing the full memory and highly scalable performance of multiple GPUs within Quadro Plex systems.



EIGHT DISPLAY CONFIGURATION FROM DUAL QUADRO PLEX 2200 D2 SYSTEMS