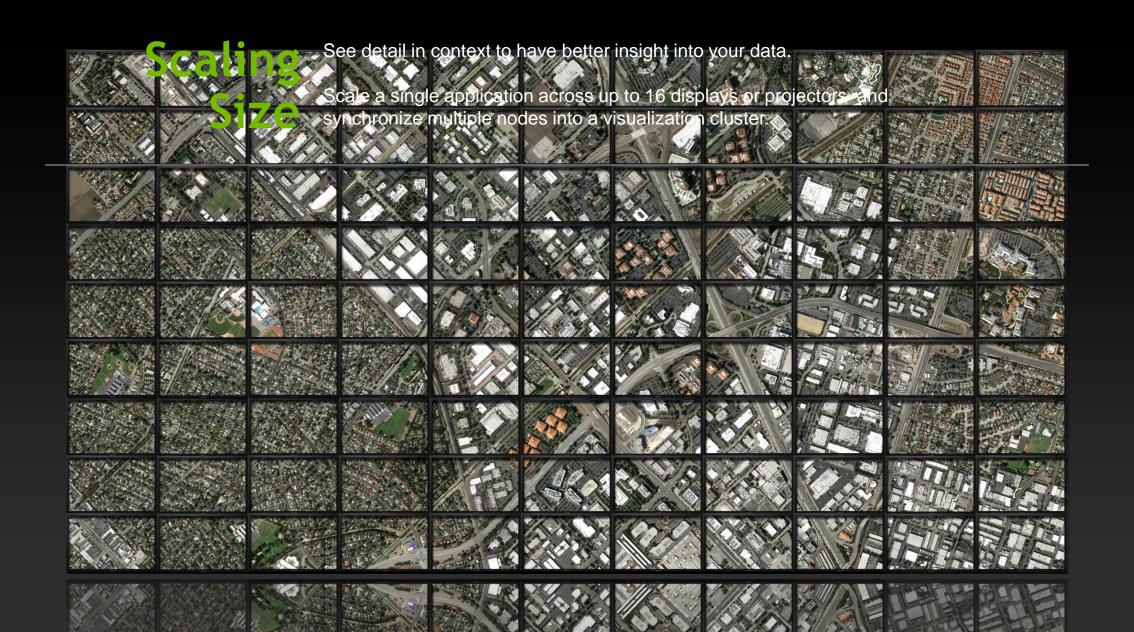


It's All About the Detail



- Scale in physical size and shape to see detail with context
 - See lots of data all at once and let your eyes and brain process it all
 - Control centers, flight simulators, data exploration

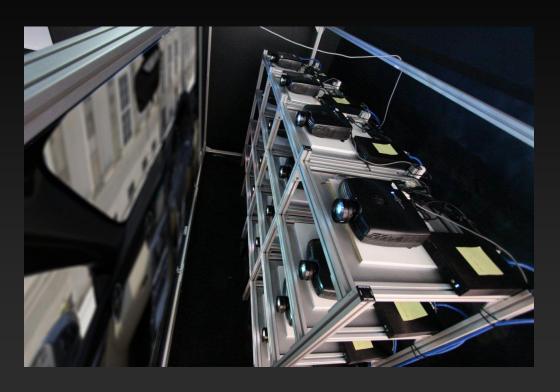
- Scale the pixels per inch to see detail within a fixed size
 - Increase the realism of the images by making the pixels smaller than the eye can see
 - Virtual Prototyping, flight simulators, data exploration



Scaling Detail

Realism requires resolution - scale any application across up to 16 displays from just one system using 4 independent display outputs of Quadro K5000 and Quadro Sync

Scale even further with a visualization cluster of systems built upon Quadro Sync



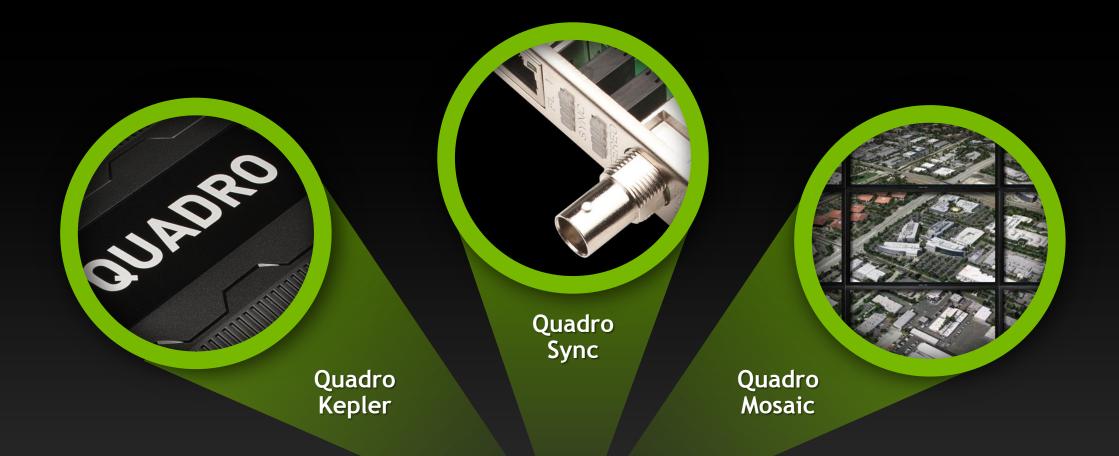


20MPixel - 16 Projector

10MPixel - 8 Projector

4MPixel - 1 Projector

- 16 HD projector, 20MPixel, wall display
- One system with 4 Quadro K5000's & Quadro Sync



Quadro SVS





Without Mosaic

Independent Displays



Without Mosaic

Independent Displays



Quadro Mosaic



- Seamless, Tear-Free Displays
- Projector Overlap
- Warp & Blend API
- Active and Passive Stereo Support
- Windows 7 & Linux
- XP support limited to 2 displays per GPU

Up to Displays or Projectors	With This GPU Configuration
4	Single Quadro K5000
8	Dual Quadro K5000 In an SLI certified workstation Or Any system with a Quadro Sync board
12	3 Quadro K5000 + Quadro Sync
16	4 Quadro K5000 + Quadro Sync

Quadro Sync



- Synchronize up to 4 Quadro Kepler GPUs and up to 16 displays or projectors per system
- Enable Advanced Quadro
 Mosaic on up to 16 displays or projectors in any system
- Windows Management Instrumentation (WMI) configuration and management for Windows based visualization clusters*



What does Sync do



Synchronize Multiple Displays

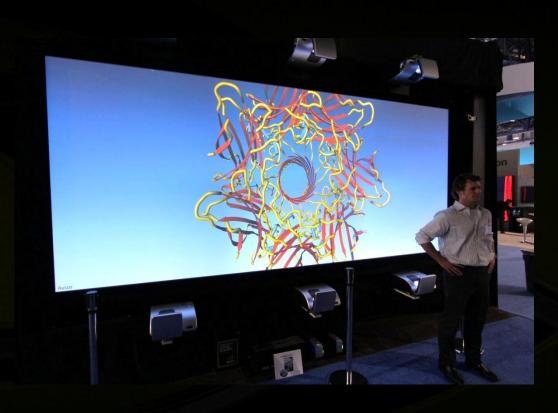
- Align the scan out of multiple displays, GPU's, and systems
- Maintain Stereo alignment between multiple systems
- Synchronize to an internal or external timing source

Co-ordinate Buffer Swaps

- HW based swap synchronization within a node or between clusters
- Prevent tearing and image misalignment

Warp & Blend Engine





- API for Geometry, Intensity and Black Offset on each physical display
- Adjustments are applied to the full desktop image
- Compatible with Mosaic and overlap
- No incremental latency
- Windows 7 available now Linux later this year

Improved Collaboration in the Meeting Room



Projector Based



- GPU: Single Quadro K5000, K6000
- SW: NVIDIA Warp & Blend API compatible SW like Scalable Desktop
- Data Input: GPUDirect For Video enabled capture boards for low latency interaction with captured sources

- See detail in context of the big picture
- When two people are looking at two apps, put both up next to each other
- Space for local applications, remote applications and video conferencing, all visible at the same time

Improved Collaboration in the Meeting Room



Display Based



- GPU: Single Quadro K5000, 6000
- SW: nView for Windows placement
- Data Input: GPUDirect For Video enabled capture boards for low latency interaction with captured sources

- Show all the options at the same time
- When two people are looking at two apps, put both up next to each other
- Space for local applications, remote applications and video conferencing, all visible at the same time



Life Size "Retina Displays"







- Visualize at life size with life like resolution
- Show multiple applications to bring the right data to the decision
- Any application, even PowerPoint will work on the large display surface
- 8 Projectors up to 2560x1600 resolution
- GPUs:
 - SLI Certified Workstation: 2x Quadro K5000 or 6000 in SLI
 - Other System: 2x Quadro K5000, 6000 + Quadro Sync
- SW: Warp & Blend API Compatible projector blending like Scalable Desktop

Control Displays





- Scale the display to the size of the task
- Any application, in its normal place, or full screen
- 3D Performance for Google Earth or other 3D apps

- 32 Panels with a DVI splitters on input
- 4 Quadro K5000 or K6000 and Quadro Sync
 - External chassis or system with 4 PCI slots
- SW: nView for application placement

Visualization Clusters



- Support multiple view frusta spread across multiple machines in a cluster and/or multiple gpus in a system
- Combine with Mosaic to scale from HD to 4K with the same node count









Kepler



Quadro Sync



Quadro SVS



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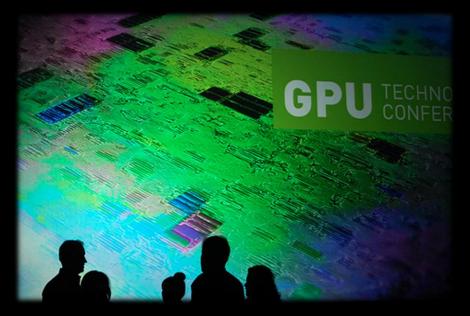
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