

## HIGH DENSITY RENDERING PLATFORM



Office-**XR-P**

EnterPrise-**XR-P**



### Available with 8 NVIDIA Quadro and/or Tesla GPU's

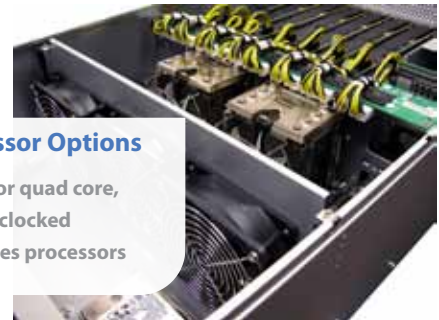
The XtremeReality platform is engineered from the ground up as a purpose built engine for digital media development and delivery. Designed for Scale-Up and Scale-Out deployments from Desk Side to Data Center to Cloud Compute environments. Featuring the latest Intel Xeon processors, NVIDIA Fermi GPU technology and the latest PCIe based SSD's, it is guaranteed to generate Ultra Performance for your visually intensive application. The XtremeReality family of solutions is the ideal platforms for serving up your most demanding and complex content.

### Applications

- RENDERING - VFX  
2D / 3D Animation and Visualization
- ARCHITECTURE & ENGINEERING
- FILM & TELEVISION
- SCIENCE & MEDICAL
- HIGHER EDUCATION
- GAME DEVELOPMENT

### Intel® Xeon™ Processor Options

Choose from six core or quad core,  
standard or overclocked  
Intel® Xeon™ 5600 Series processors



### Nvidia Quadro and Tesla GPU options for Xtreme Heterogeneous Rendering Performance

#### CUDA capabilities with Quadro and Tesla

Up to 448 CUDA cores per Fermi-based Quadro GPU processor

Full Double Precision performance

NVIDIA Parallel DataCache technology

NVIDIA GigaThread™ engine

ECC protection

Full CUDA and OpenGL programmability

Long life availability and world-class support

Engineered for Massive data set uses

3 year warranty standard

#### Additional Quadro specific capabilities

OpenGL quad buffered stereo support, OpenGL, DirectX 11, Shader Model 5.0, CUDA, OpenCL, and DirectCompute support



mental images RealityServer®



# XCT LINE OF VSC'S

Built Exclusively By VelocityHPC



## The XCT XtremeReality Platform

Ultra-fast dual processor performance with two Intel Xeon 5600-series hexa core processors up to 3.3GHz with 12MB L3 cache

- Up to 8 NVIDIA Quadro or Tesla Fermi GPU's (448 core, Teraflop GPU's)
- Up to 144GB DDR3 Memory
- 4 Gigabit Ethernet connections for maximum network speed
- Please note that this system is limited to 2 2.5" physical hard drives.

## XTREME REALITY PLATFORM

### The XCT VSC455 V8

Ultra-fast dual processor performance with two Intel Xeon 5600-series hexa core processors up to 3.3GHz with 12MB L3 cache

- Up to 8 NVIDIA Quadro or Tesla Fermi GPU's (448 core, Teraflop GPU's)
- Up to 144GB DDR3 Memory
- 4 Gigabit Ethernet connections for maximum network speed
- Please note that this system is limited to 2 2.5" physical hard drives.



## XCT VSC455



### The XCT VSC255

Ultra-fast dual processor performance with two Intel Xeon 5600series hexa core processors up to 3.3GHz with 12MB L3 cache

- Up to 4 NVIDIA Quadro or Tesla Fermi GPU's
- Standard Gigabit Ethernet connection for maximum network speed
- Recommended configurations use Western Digital 10,000 RPM Enterprise Drives (5 year manufacturer warranty)
- NVIDIA Quadro Professional Series video card options
- Please note that this system is limited to 5 physical hard drives.

## XCT VSC255

### The XCT VSC135+

Ultra-fast performance with Intel Core i7 Quad processors

- Up to 3 NVIDIA Quadro or Tesla Fermi GPU's
- Standard Gigabit Ethernet connection for maximum network speed
- Recommended configurations use Western Digital 10,000 RPM Enterprise Drives (5 year manufacturer warranty)
- NVIDIA Quadro Professional Series video card options



## XCT VSC135+

For more information on XCT's XtremeReality platform. or our full line of Visual Supercomputers, visit [www.xtremecompute.com/xctXRP](http://www.xtremecompute.com/xctXRP)



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