



# THE POWER TO REALIZE YOUR VISION

## NVIDIA® QUADRO® K5000

### Professional Graphics Perfected

The NVIDIA® Quadro® K5000 graphics card takes advantage of the NVIDIA Kepler™ architecture to dramatically accelerate professional applications. With the NVIDIA Quadro K5000 you can count on superior interaction when designing with the most complex models, richer scene details and effects for content creation, and faster results when processing massive datasets for scientific exploration. The Quadro K5000 features a range of innovative features, including SMX for increased per-clock throughput of key graphics operations and bindless textures that enable the GPU to reference textures directly in memory. Plus, it supports up to four displays—ideal for driving large-scale visualization solutions.

Designed and built specifically for professional workstations, NVIDIA Quadro GPUs power more than 200 professional applications across a broad range of industries including manufacturing, media and entertainment, sciences, and energy. Professionals trust them to deliver the best possible experience with applications such as Autodesk Inventor, Dassault Systems CATIA and SolidWorks, Siemens NX, PTC Creo and many more.

### THE PNY ADVANTAGE

PNY provides unsurpassed service and commitment to its professional graphics customers. In addition, PNY delivers a complete solution including the appropriate adapters, cables, brackets, driver software installation disc and documentation to ensure a quick and successful install.

### FEATURES

- > Two DisplayPort 1.2 Connectors
- > DisplayPort with Audio
- > Two DVI Dual-Link Connectors
- > VGA Support<sup>1</sup>
- > Professional 3D Support<sup>1</sup>
- > NVIDIA 3D Vision Pro<sup>1</sup>
- > Quadro Sync Compatible
- > HD SDI Capture/Output Compatible
- > NVIDIA GPUDirect Support
- > nView Desktop Management Software Compatible
- > HDCP Support
- > Mosaic Mode<sup>2</sup>
- > Energy Star Enabling

### PACKAGE CONTENTS

- > NVIDIA Quadro K5000 professional graphics board
- > Stereo connector bracket
- > 6-Pin auxiliary power cable
- > Stereo connector bracket
- > 2x DisplayPort to DVI-D SL adapters
- > DVI-I to VGA adapter
- > Software installation disc
- > Printed QuickStart Guide

### WARRANTY AND SUPPORT

- > 3 year warranty
- > Support for NVIDIA Quadro in any system brand
- > Pre- and post-sales assistance
- > Toll-free professional technical support
- > Dedicated Field Application Engineers



PNY PART NUMBER	VCQK5000-PB
<b>SPECIFICATIONS</b>	
GPU Memory	4GB GDDR5
Memory Interface	256-bit
Memory Bandwidth	173.0GB/s
CUDA Cores	1,536
System Interface	PCI Express 2.0 x16
Max Power Consumption	122W
Idle Power Consumption	18W
Thermal Solution	Ultra-quiet active fansink
Form Factor	4.376" H x 10.50" L, Dual Slot, Full Height
Display Connectors	2x DVI-DL + 2x DP 1.2 + Stereo
Max Simultaneous Displays	4 direct, 4 DP 1.2, 2 Win XP
Max DP 1.2 Resolution	3840 x 2160 at 60Hz
Max DVI-I DL Resolution	2560 x 1600 at 60Hz
Max DVI-I SL Resolution	1920 x 1200 at 60Hz
Max VGA Resolution	2048 x 1536 at 85Hz
Graphics APIs	Shader Model 5.0, OpenGL 4.3, DirectX 11
Compute APIs	CUDA, DirectCompute, OpenCL

<sup>1</sup> Via supplied adapter/connector/bracket | <sup>2</sup> Windows 7 and Linux

Features and specifications subject to change without notice. The NVIDIA logo and NVIDIA are registered trademarks of NVIDIA Corporation. The PNY logo is a registered trademark of PNY Technologies. All other trademarks are the property of their respective owners. © 2013 NVIDIA and PNY Technologies. All rights reserved.



PNY Technologies, Inc.  
100 Jefferson Road, Parsippany, NJ 07054  
Tel 408 567 5500 | Fax 408 855 0680

For more information visit: [www.pny.com/quadro](http://www.pny.com/quadro)