



NVIDIA® Quadro® K5000 SDI

VCQK5000SDI-PB

Integrated Graphics-to-Video Solution for Broadcast, Video and Film

Offering 4 GB of GDDR5 graphics memory, 1536 NVIDIA CUDA™ parallel processing cores and built on the latest NVIDIA Kepler™ architecture, the NVIDIA Quadro K5000 SDI delivers excellent performance across a broad range of broadcast, video and film pre- and post-production applications that require the compositing of 3D or other computer generated graphics in real-time with 2K, HD and SD video.

The Quadro K5000 SDI allows broadcast, video and film production, post-production, and finishing professionals to preview the results of 3D compositing, editing, and color grading in real-time on high definition broadcast monitors. The 8-, 10-, or 12-bit SDI generated from programmable graphics enables a direct connection to broadcast monitors, switchers, tape decks, or SDI projectors.

Package includes:

- NVIDIA Quadro K5000 professional graphics board
- Stereo connector bracket
- Two DisplayPort to DVI-D SL adapters
- DVI-I to VGA adapter
- 6-pin auxiliary power cable
- Driver DVD for Windows 7, Vista, and XP SP3 (32- and 64-bit)
- NVIDIA Quadro SDI Output board
- DVI to DVI crossover cable and ribbon connector cable
- One large cable retention clip, two small cable retention clips
- Printed K5000 and Quadro SDI Output QuickStart Guide

PNY Advantage:

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



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 CD and documentation to ensure a quick and successful install.

PRODUCT SPECIFICATIONS:

CUDA™ Cores	1536
GPU Memory	4GB GDDR5
Memory Interface	256-bit
Memory Bandwidth	173GB/s
K5000 System Interface	PCI Express 2.0 x16
SDI Output System Interface	Any available slot
K5000 Maximum Power	122W
K5000 Idle Power	18W
SDI Output Maximum Power	14W
Energy Star Enabling	Yes
K5000 Thermal Solution	Ultra-quiet active fansink
SDI Output Thermal Solution	Passive
K5000 Dimensions	4.376" H x 10.50" L, Dual Slot
SDI Output Dimensions	3.875" H x 6.60" L, Single Slot
K5000 Display Connectors	DVI-I DL + DVI-D DL + DP 1.2 + DP 1.2 + Stereo
DisplayPort 1.2	Yes
DisplayPort with Audio	Yes
DVI-D SL connectors	Yes, via included adapters
VGA connector	Yes, via included adapter
Number of displays Supported	3
SDI Output Connectors	3 BNC (SDI Fill, SDI Key, Genlock)
Maximum DP 1.2 Resolution	3840 x 2160 at 60Hz
Maximum DVI-I DL Resolution	2560 x 1600 at 60Hz
Maximum DVI-I SL Resolution	1920 x 1200 at 60Hz
Maximum VGA Resolution	2048 x 1536 at 85Hz
HDCP Support	Yes
Professional 3D Support	Yes, via included stereo connector bracket
Graphics APIs	Shader Model 5.0, OpenGL 4.3, DirectX 11
Compute APIs	CUDA, DirectCompute, OpenCL
NVIDIA 3D Vision and 3D Vision Pro	Yes
Warranty	3 Years
PNY Part Number	VCQK5000SDI-PB

For more information visit: www.pny.com/quadro



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

Features and specifications subject to change without notice. The PNY logo are registered trademarks of PNY Technologies, Inc. All other trademarks are the property of their respective owners. © 2012 PNY Technologies, Inc. All rights reserved.