



NVIDIA® Quadro® K5000 Sync

VCQK5000SYNC-PB

Bringing new levels of flexibility and scalability to ultra-high resolution displays and visualization clusters.

Combining the power of the NVIDIA Kepler™ architecture-based NVIDIA Quadro K5000 and the NVIDIA Quadro Sync board, the NVIDIA® Quadro® K5000 Sync delivers Frame Lock, Genlock and sophisticated programmable graphics for industrial, visualization and collaborative applications. This professional visualization turnkey solution is ideal for advanced multi-system visualization and multi-device film and video environments.

The NVIDIA Quadro Sync board included as part of this turnkey solution allows you to synchronize up to four Quadro K5000 GPUs and up to 16 displays or projectors per system. NVIDIA Mosaic™ technology support allows any application to scale across synchronized displays or projectors. Features like Projector Overlap and an integrated geometry and intensity adjustment give you pixel-accurate display surfaces.

NVIDIA® Quadro® K5000 Sync supports Windows 7 and Linux, providing a robust system that lets you:

- Keep multi-projector systems or video walls free of imaging artifacts without impacting performance
- Align inputs for multi-input display devices like 4K projectors or panels
- Keep stereoscopic 3D displaying properly across multiple systems
- Align displays or projectors to an external timing source

Package Includes:

- NVIDIA Quadro K5000 professional graphics board
- Stereo connector bracket
- Two DisplayPort to DVI-D SL adapters
- DVI-I to VGA adapter
- NVIDIA Quadro Sync board
- Four ribbon connector cables
- Six cable retention clips
- Driver DVD for Windows 7, Vista, and XP SP3 (32- and 64-bit)
- Printed QuickStart Guides (for Quadro K5000 & Quadro Sync)

PNY Advantage:

- 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 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	173 GB/s
System Interface	PCI Express 2.0 x16
Maximum Power Consumption	122W
Idle Power	18W
Energy Star Enabling	Yes
Thermal Solution	Ultra-quiet active fansink
Form Factor	4.376" H x 10.50" L, Dual Slot
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 Single-Link Connector	Via included adapters
VGA Support	Via included adapter
Number of Displays Supported	4
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
NVIEW	Yes
Mosaic Mode	Yes (Windows 7, and Linux)
NVIDIA 3D Vision and 3D Vision Pro	Yes
Quadro Sync Connectors	Rns J45 Frame Lock + RJ45 Frame Lock + BNC Genlock
Quadro Sync Thermal Solution	Passive
Quadro Sync System Interface	Any available PCIe or PCI expansion slot
Quadro Sync Power	6-pin or SATA power cable
Warranty	3 Years
PNY Part Number	VCQK5000SYNC-PB

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



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