

CONFIGURATION GUIDE

CINEVISION CONFIGURATION GUIDE

This document provides the latest information on supported and recommended peripherals for the CineVision Encoder. It supersedes any previous information you may have and includes the following topics:

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MORE INFORMATION

If you are considering purchasing CineVision and have some pre-sales questions please contact your nearest Sonic representative or Sonic reseller:

- U.S.A. (West) Kris Koch - kris_koch@sonic.com. Tel: +1.415.893.7026
- U.S.A. (East), Canada, & Latin America Brian Murphy - brian_murphy@sonic.com. Tel: +1.415.893.7832
- Europe, Middle East, & Africa Richard Linecar - richard_linecar@sonic.com. Tel: +44 20 7437 1100
- Pacific Rim Terry Marshall - terry_marshall@sonic.com. Tel: +1.415.893.7835

You can find your nearest Sonic reseller using our online reseller locator: www.sonic.com/resellers/locate

CINEVISION SUPPORT

If you have recently purchased CineVision and have questions regarding installation or system configuration, you can contact Sonic's product specialists on the Web or by phone:

- Web Support <http://support.sonic.com>
- Phone Support (U.S.A. & Canada) 1.888.SONIC.97 (888.766.4297)
- Phone Support (Europe) +44 20 7437 1100
- Phone Support International +1.415.893.7000

CONFIGURATION GUIDE**CPU REQUIREMENTS**

The following CPU is required for use with CineVision:

- Hewlett Packard xw8400

Please see the end of this document for details of other approved CPUs that are no longer available.

SYSTEM REQUIREMENTS

The minimum system requirements for CineVision include:

- Windows® XP Professional, Service Pack 2, 32-bit
- 2 x Dual-Core Intel® Xeon® processor 5160 3.0 GHz with 4 MB L2 cache 1333 MHz front side bus
- 4 GB DDR2 SDRAM
- Microsoft® Windows Media Player 10 Series
- Microsoft Internet Explorer 5.0 or later
- Microsoft DirectX 9.0c
- Apple® QuickTime® 7
- CD-ROM or DVD-ROM drive
- Monitor with minimum 1600x1200 screen resolution (1920x1200 recommended) and 32-bit color support
- 300 MB of hard drive space on system drive for Sonic application and related files
- USB port for security dongle

GRAPHICS CARDS

The following graphics card are approved for use with CineVision:

- NVIDIA Quadro FX1400
- NVIDIA Quadro FX3450
- NVIDIA Quadro FX4500
- NVIDIA Quadro FX4500 SDI

RECOMMENDED PERIPHERALS

- HD-SDI preview solutions:
 - HD-SDI output device - NVIDIA Quadro FX-4500 SDI¹. For more information visit www.nvidia.com
 - HD-SDI reference monitor - External reference monitor with HD-SDI input¹
- Uncompressed capture solutions:
 - AJA Xena LH. For more information visit www.aja.com
 - BlueFish444 HD|Fury. For more information visit www.bluefish444.com
 - BlackMagic DeckLink HD². For more information visit www.blackmagic-design.com

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RECOMMENDED PERIPHERALS continued

- Local RAID array for storage of uncompressed source files. RAID's must meet the following minimum requirements:
 - 8 or more u320 drives, 10,000 rpm and software striped as Raid 0 or Raid 5
 - Controlled via Ultra 320 SCSI Card (PCI or onboard) or Fiber-channel interface with a 4Gb bandwidth

Please note that this information is based on Sonic's own testing and experience. This should be seen as complimentary to further advice from the chosen RAID and capture system manufacturers as well as your local Sonic representative.

¹ By adding the NVIDIA Quadro FX-4500 SDI board to the system, CineVision is able to output preview signals of both source and encoded movie content via HD-SDI to an external reference monitor.

² Please note that current configuration testing indicates that the BlackMagic DeckLink HD and NVIDIA Quadro FX-4500 are incompatible when installed on the same system.

CONFIGURING THE NVIDIA QUADRO FX-4500 SDI FOR HD-SDI PLAYBACK

The following steps should be taken to achieve correct HD-SDI playback of source and encoded video from CineVision:

1. Ensure that the latest version of the NVIDIA Forceware drivers have been installed.
2. Within the control panel for the FX-4500, select "Full Screen Video" in the tree-view and ensure that the Full screen video device is set to "Disable".
3. Enable the "Graphics to SDI" option and set the resolution to the video resolution that you are working with. In most cases it is best to also set the frame-rate/refresh rate of the SDI display to the frame-rate of the video that you are encoding. However, for codecs which do not support real-time playback within CineVision setting the highest refresh rate available for the resolution may increase decoding performance.
4. Within CineVision select Transport -> Full screen preview (Control+Alt+F) to ensure that the preview resolution is equal to the resolution of the SDI output.

ADDITIONAL CPU SUPPORT

The Hewlett Packard xw9300 CPU is also approved for use with CineVision but is no longer commercially available. The minimum system requirements include:

- 1 x Dual core 2.2 GHz AMD 275 Opteron processor with AMD64 Technology. Recommended Option: 2 x Dual core 2.2 GHz AMD 275 Opteron processors with AMD64Technology
- 1 GHz AMD HyperTransport Bus
- 2 GB of RAM per processor (up to 4 GB recommended)

Please note that this document supersedes all previous versions.

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SONIC USA • 101 Rowland Way • Novato • CA 94945 • Tel: 415.893.8000 • Fax: 415.893.8008

SONIC BURBANK • 3500 West Olive Avenue • Suite 730 • Burbank • CA 91505 • Tel: 818.823.4000 • Fax: 818.823.4004

SONIC EUROPE • 22 Warwick Street • London • W1B 5NF • UK • Tel: +44 20 7437 1100 • Fax: +44 20 7437 1151

SONIC PAC RIM • 4F Shirokanetakanawa Station Building • 1-27-6 Shirokane • Minato-ku Tokyo 108-0072 • Japan • Tel: +81 3 6408 2811