

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:

| | |
|---|--------|
| Supported Configurations | page 2 |
| Recommended Graphics Cards | page 2 |
| Recommended Peripherals..... | page 2 |
| Configuring the NVIDIA FX-4500 SDI for HD-SDI Playback..... | page 3 |
| Additional CPU Support..... | page 3 |

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) | Terry Marshall - terry_marshall@sonic.com . Tel: +1.415.893.7835 |
| • 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

SUPPORTED CONFIGURATIONS

The CPUs listed below are required for use with CineVision. Please see the end of this document for details of other approved CPUs that are no longer available.

Hewlett Packard xw8400

- Windows® XP Professional, Service Pack 2, 32-bit
- Recommended: 2 x Quad-Core Intel® Xeon® processor 5355 2.66 GHz with 4 x 2MB L2 cache 1333 MHz front side bus
- Also supported: 2 x Dual-Core Intel® Xeon® processor 5160 3.0 GHz with 4MB 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

BOXX 3DBOXX 8300 Series

- Windows® XP Professional, Service Pack 2, 32-bit
- 2 x Quad-Core Intel® Xeon® processor 5355 2.66 GHz with 4 x 2MB 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

RECOMMENDED GRAPHICS CARDS

The following graphics card are recommended for use with CineVision:

- NVIDIA Quadro FX3500. For more information visit www.nvidia.com
- NVIDIA Quadro FX4500 SDI*. For more information visit www.nvidia.com

RECOMMENDED PERIPHERALS

- External reference monitor with HD-SDI input*

CONFIGURATION GUIDE

RECOMMENDED PERIPHERALS continued...

- Uncompressed capture solutions:
 - AJA Xena LH. For more information visit www.aja.com
 - BlackMagic DeckLink HD. For more information visit www.blackmagic-design.com
 - BlueFish444 HD|Fury. For more information visit www.bluefish444.com

IMPORTANT: Please note that current configuration testing indicates that the BlackMagic DeckLink HD and NVidia Quadro FX cards are incompatible when installed on the same system.

- 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.

* 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.

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.

© 2007 Sonic Solutions. All rights reserved. Sonic, Sonic Solutions, the Sonic Solutions logo, the CineVision logo, CineVision, and ExpressQC are trademarks or registered trademarks owned by Sonic Solutions. All other names and logos are the respective property of their owners. This software is protected by copyright law and international treaties. Unauthorized reproduction or distribution of any portion is prohibited by law. Protected by U.S. Patent 5,812,790. Other patents pending. Pricing and specifications subject to change without notice.

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