

## CONFIGURATION GUIDE

This configuration guide is intended to help you configure your Sonic CineVision system using approved computer hardware and peripherals. It provides the latest information on supported and recommended peripherals and supersedes any previous information you may have. Please read it carefully before purchasing any hardware and contact Sonic or a Sonic representative if you have any questions.

Important! Please note that the requirements for encoding HD video differ to those for SD-only systems.

CineVision HD - Supported Configurations .....	page 2
CineVision SD - Minimum Requirements .....	page 3
CineVision SD - Recommended Configurations .....	page 3
Recommended Graphics Cards .....	page 3
Recommended Video Capture Cards .....	page 4
Recommended Storage .....	page 4

**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) Maria Tsilimidos - maria\_tsilimidos@sonic.com. Tel: +1.818.823.4027
- U.S.A. (East) and Canada Brian Murphy - brian\_murphy@sonic.com. Tel: +1.415.893.7832
- Central & Latin America Terry Marshall - terry\_marshall@sonic.com. Tel: +1.818.357.7825
- Europe, Middle East, & Africa Richard Linecar - richard\_linecar@sonic.com. Tel: +44.20.7437.1100
- Pacific Rim Terry Marshall - terry\_marshall@sonic.com. Tel: +1.818.357.7825

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

**CINEVISION HD - SUPPORTED CONFIGURATIONS**

The CPUs listed below are **required** for use with **CineVision HD** (AVC, VC-1, and MPEG-2 encoding for Blu-ray Disc):

**Hewlett Packard xw8600**

- Windows® XP Professional, Service Pack 2, 32-bit
- 2 x Intel® Xeon® Quad-Core E5450 processor (3.00 GHz, 2 x 6 MB L2 cache, 1333 MHz FSB)
- 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

**Apple Mac Pro**

- Windows XP Professional running under Boot Camp, Service Pack 2, 32-bit
- 2 x Intel Xeon Quad-Core processor (3.00 GHz, 2 x 6 MB L2 cache, 1600 MHz FSB)
- 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

The CPUs listed below are also supported for use with **CineVision HD** but are no longer available:

**Hewlett Packard xw8400**

- 2 x Dual-core Intel Xeon processor 5160 3.0 GHz with 4MB L2 cache 1333 MHz front side bus
- Recommended Option: 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

**Hewlett Packard xw9300**

- 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)

## CONFIGURATION GUIDE

**BOXX 3DBOXX 8300 Series**

- 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

**CINEVISION SD - MINIMUM REQUIREMENTS**

The minimum requirements listed below are for **CineVision SD** (Standard Definition MPEG-2 encoding for DVD-Video):

- Windows XP Professional, Service Pack 2, 32-bit
- 2 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

**CINEVISION SD - RECOMMENDED CONFIGURATIONS**

The CPUs listed below are recommended for use with **CineVision SD** (Standard Definition MPEG-2 encoding for DVD-Video):

**Hewlett Packard xw8600**

- 2 x Intel Xeon Quad-Core E5450 processor (3.00 GHz, 2 x 6 MB L2 cache, 1333 MHz FSB)
- 1 x Intel Xeon Dual-Core X5260 processor (3.33 GHz, 6 MB L2 cache, 1333 MHz FSB)

**Apple Mac Pro**

- Windows XP Professional running under Boot Camp, Service Pack 2, 32-bit
- 2 x Intel Xeon Quad-Core processor (3.00 GHz, 2 x 6 MB L2 cache, 1600 MHz FSB)
- 1 x Intel Xeon Quad-Core processor (2.8 GHz, 2 x 6 MB L2 cache, 1600 MHz FSB)

**RECOMMENDED GRAPHICS CARDS**

The graphics cards listed below are recommended for use with CineVision:

Graphics Card	CineVision HD	CineVision SD	Information
NVIDIA GeForce 8800 GT	✓	✓	<a href="http://www.nvidia.com">www.nvidia.com</a>
NVIDIA Quadro FX 4600 SDI*	✓		<a href="http://www.nvidia.com">www.nvidia.com</a>

\* The NVIDIA Quadro FX 4600 SDI graphics card is NOT supported for Blu-ray Disc playback and emulation. It is only recommended for CineVision encoding systems. By adding the NVIDIA Quadro FX 4600 SDI graphics card to the system, CineVision is able to output preview signals of both the source and encoded movie via HD-SDI to an external reference monitor. Note that current configuration testing indicates that the BlackMagic DeckLink HD and NVIDIA Quadro FX cards are incompatible when installed on the same system. There is no issue when using a GeForce card but the DeckLink's HD SDI output must be disabled during CineVision operation. This is achieved in the 'Display Properties' control panel 'settings' tab by right-clicking the DeckLink display and unchecking "Attached".

## CONFIGURATION GUIDE

**Configuring the NVidia Quadro FX-4600 SDI for HD-SDI Playback in CineVision**

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-4600, 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.

**RECOMMENDED VIDEO CAPTURE CARDS**

Video Capture Card	CineVision HD	CineVision SD	Information
AJA Xena LH range**	✓	✓	<a href="http://www.aja.com">www.aja.com</a>
BlackMagic DeckLink HD	✓	✓	<a href="http://www.blackmagic-design.com">www.blackmagic-design.com</a>

\*\* IMPORTANT NOTE - Current configuration testing indicates that the AJA Xena LH capture solution is not compatible with the NVidia GeForce graphics cards if both are installed in the same HP XW8600 system. Please note, however, there is no incompatibility between the AJA Xena LH and the NVidia Quadro FX-4600. Additionally, the AJA Xena LH is not compatible with the Apple Mac Pro.

**RECOMMENDED STORAGE**

The principal storage requirement for CineVision is that it is able to read your source video at a faster rate than it is able to encode it. A sustained read rate of at least 160MB/sec (1Gb) is recommended.

However, if you plan to incorporate an uncompressed capture solution in the same system as CineVision the storage requirements are more demanding. Please consult with the manufacturer of the capture solution or your local Sonic representative when selecting your storage configuration.

Please note that this document supersedes all previous versions and content is subject to change without notice.

© 2008 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.