

THE PROFESSIONAL STANDARD
FOR CINEMATIC ENCODING

Sonic CineVision™ is the world's first fully-comprehensive encoding solution for Blu-ray Disc and HD DVD. Featuring stunning cinematic-quality encoding, support for all three next-generation video codecs, unrivaled parameter control and stream legalization, segment-based re-encoding, and exclusive ExpressQC™ and StreamData™ encoding technologies, CineVision is the encoding solution your business can't afford to be without.

INTRODUCING CINEVISION

Competing in today's professional media services market means keeping up with an ever-expanding array of video distribution options, each with their own format-specific requirements. That takes an encoding solution that delivers powerful control and maximum workflow flexibility. With the arrival of Blu-ray Disc and HD DVD – next-generation high definition formats that combine stunning visuals with expanded capacity and advanced interactivity – it's more important than ever that your encoding systems support the latest capabilities and ready your business for new opportunities. There's only one encoder that meets that test: Sonic CineVision.

Sonic CineVision is a mastering-level encoding system specifically designed to meet the stringent image-quality demands of major motion picture studios and high-end authoring facilities. Built from the ground up to tackle the complex challenges of encoding for Blu-ray Disc and HD DVD, CineVision is optimized to provide top quality at low bit rates while maintaining the HD performance that studios demand.

CineVision offers complete support for all three HD video codecs, positioning you to meet all of your clients' encoding needs. And with comprehensive support for a wide range of input types, as well as extensive legalization capabilities, CineVision can easily handle your HD content no matter where it originates. CineVision fits seamlessly into any existing workflow, and excels at tight integration with Sonic's title development systems for both Blu-ray Disc and HD DVD. Combining unrivaled control of encoding parameters with advanced post-encode QC and workflow optimization tools, CineVision is the ultimate future-proof solution for HD encoding.



LEARN MORE, BOOK A DEMONSTRATION, AND FIND
YOUR NEAREST RESELLER AT:

WWW.SONIC/COM/GO/CINEVISION



KEY FEATURES

Comprehensive Blu-ray Disc and HD DVD Support

CineVision delivers outstanding image quality for all three next-generation HD video codecs – AVC, VC-1 and MPEG-2 – so you're fully equipped for all aspects of Blu-ray Disc and HD DVD encoding.



Built-in Format Legalization

CineVision's unique integrated legalization technology for Blu-ray Disc and HD DVD verifies format compliance after every parameter change, ensuring that your encodes are a perfect match for your delivery target.

Input Format Flexibility

CineVision offers comprehensive support for a wide range of input types, including QuickTime®, AVI, and DPX image sequences. No matter where your HD content originates, CineVision handles it with ease, seamlessly integrating into any existing workflow.

Professional Encoding Features

CineVision features one- and two-pass encoding modes as standard, in addition to Constant Bit Rate (CBR), Variable Bit Rate (VBR) and Constant Quality VBR encode styles.

Advanced Parameter Control

CineVision features extensive access to the low-level parameter set for every video codec. Support for format-compliant High Profile AVC (H.264) and Advanced Profile Levels 2 and 3 (VC-1) is included as standard.

Segment-based Re-encoding

Fine-tune your completed encodes by re-encoding selected segments with optimized encode parameters. CineVision's exclusive segment management tools enable efficient handling of marked and completed segments.

ExpressQC™ Segment Marking

Make dramatic improvements to your QC efficiency. ExpressQC is an exclusive, patent-pending QC tool, built right into the CineVision timeline, which automatically compares encoded video to the source and identifies sections that are statistically lower in quality.

StreamData™ Integration

Exchange key encoding metadata – including chapter-point information and the server location of encoded media – for unsurpassed integration with your Scenarist® authoring system.

State-of-the-Art Audio

With DTS®-HD audio (including support for 7.1 surround and lossless VBR compression) as well as Dolby® Digital, CineVision ensures that your encoded audio quality is a match for your high definition video.

New Design for a New Era

CineVision is a brand new encoder built on all-new algorithms and technology. Harnessing the latest developments in encoding, CineVision delivers the quality and power you need to thrive in the age of HD.

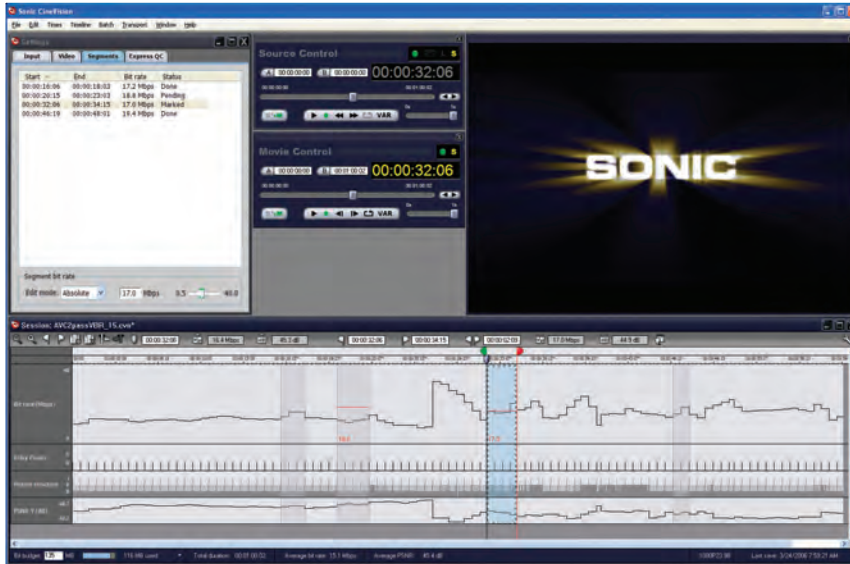
Designed with the Industry, for the Industry

CineVision was developed in collaboration with the Sonic HD Authoring Alliance (HDAA), the first and only worldwide association of top DVD authoring houses dedicated to facilitating the rollout of titles for release in the Blu-ray Disc and HD DVD formats.



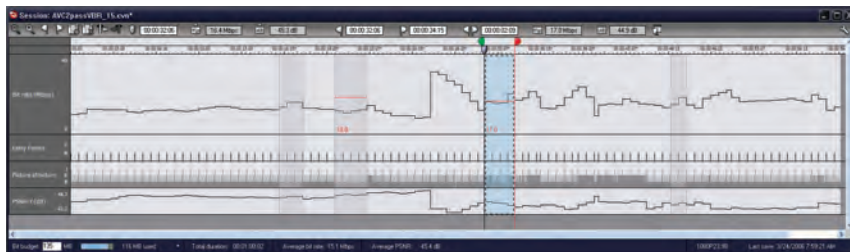


CINEVISION USER INTERFACE



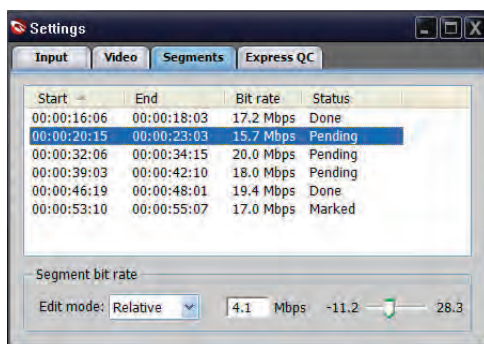
CineVision's user interface gives you detailed control over every aspect of your encode

CINEVISION TIMELINE



CineVision's timeline provides detailed information on your finished encode and provides an intuitive tool set for re-encoding selected segments.

SEGMENT-BASED RE-ENCODING



CineVision's segment management tools enable you to view selected, pending, and completed encodes in an instant.



SPECIFICATIONS

Video Support

- AVC (H.264) Main/High Profiles, Levels 3, 3.1, 3.2, 4, and 4.1
- VC-1 Advanced Profile, Levels 2 and 3
- MPEG-2

Audio Support

- DTS® -HD (standalone application)
- Dolby® Digital (standalone application)

Encoding Modes

- One- and two-pass bit rate-controlled VBR
- One-pass CBR
- One-pass Quality VBR (constant frame quantization)

Encoding Tools

- Full preset editors giving complete parameter access for AVC, VC-1 and MPEG-2
- Informative parameter change logs for preset editors
- Detailed encode progress display, including current speed and expected completion time
- Batch encoding – queue multiple encoding sessions in a batch
- Multi-input source sessions - encode a single movie from multiple captured files
- Embedding of source timecode in encoded files
- Flexible chapter timecode entry based from zero or any given source timecode reference

Movie Timeline

- Bit rate track
- Frame-by-frame picture structure track (I, P and B)
- Custom entry point location track
- Target BitBudget™ with MB used/remaining display
- Source timecode/movie timecode display modes
- Mean bit rate displays for movie and segments
- PSNR display graph

Video Preview

- HD-SDI playback of source and movie (requires NVIDIA Quadro FX 4500 SDI GPU, not included)
- Instant toggle between source and encoded movie preview
- Sync mode playback - slave encoded movie transport to source transport for instant comparison
- QC Loop mode - Automatic alternating replay of a selected section of the source and movie
- Varispeed playback for source and movie files
- Transport controls for source and encoded file

Segment-based Editing and Re-encoding

- Edit in-point, out-point and segment duration fields
- Segment list with parameter values
- Absolute and relative bit rate editing via simple slider control
- ExpressQC™ - Auto segment marking based on quality metric (PSNR)

Parameter Legalization Tools

- HD DVD Standard Content and Advanced Content main video
- HD DVD Advanced Content sub video
- Blu-ray Disc primary video

Video Resolution Support

- 1920 x 1080
- 1440 x 1080
- 1280 x 1080
- 1280 x 720
- 960 x 1080
- 720 x 576
- 720 x 480
- 704 x 576
- 704 x 480
- 544 x 576
- 544 x 480
- 480 x 576
- 480 x 480
- 352 x 576
- 352 x 480
- 352 x 288
- 352 x 240

Frame Rate Support

- 59.94
- 50
- 29.97
- 25
- 24
- 23.98
- 3:2 pull-down insertion



SPECIFICATIONS

Supported Input Formats

- QuickTime® files (.qt and .mov)
- AVI files (.avi)
- DPX image sequences (RGB 10-bit)
- MPEG-2 video files
- MPEG-4 video files
- Windows Media Video files (.wmv)
- WAV Audio Files (.wav)

Export Formats

- StreamData™
- Uncompressed AVI from encoded movie

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