Avid Media Composer Adrenaline

THE NEXT-GENERATION MEDIA COMPOSER DELIVERS HEART-STOPPING QUALITY, LEGENDARY RELIABILITY + UNPRECEDENTED PRICE/PERFORMANCE

We've thought of everything: A revolutionary new architecture combining the power of next generation Media Composer® software with state-of-the-art Avid® Adrenaline™ Digital Nonlinear Accelerator (DNA) hardware — purpose-built for 10-bit video, 24-bit 96 kHz audio, HD* expansion, and flash upgradability. Up to five real-time uncompressed SD video streams with room to grow. Backward compatible with AVR and Meridien™ projects and media. Support for even more media formats — mixable right in the timeline. New high-quality, real-time OpenGL 2D and 3D DVE. Patent-pending AutoCorrect technology that color corrects entire sequences automatically. Facility-class connectivity and compatibility. Everything you expect from the Media Composer system and much more. Designed for high-pressure, time-sensitive production environments, the new Media Composer Adrenaline system offers front-room features, quality, and performance and brings a shot of pure adrenaline to your game.

o **RELIABLE** o **VERSATILE** o **SCALABLE**
o **POWERFUL** o **COMPATIBLE**

make manage move | media™ **Avid**®

Avid Media Composer Adrenaline

Facility-class, rock-solid systems feature 10-bit video + 24-bit 96 kHz audio hardware, up to five streams of uncompressed video + room to grow

The solution for a fast-changing industry, the innovative Media Composer Adrenaline system lets you mix different resolutions in the same timeline, transcode between resolutions, edit true 23.976 content directly, color correct automatically, edit with 24-bit audio, and tap the power of OpenGL effects — all in real time. No matter what the resolution, format, or frame rate, Media Composer Adrenaline systems set a new standard in quality, and give film and video professionals the power to handle today's — and tomorrow's — most sophisticated projects.

More powerful than ever: the familiar Media Composer editing environment

Through a standard FireWire® connection, the Media Composer software and Avid Adrenaline DNA turn qualified PC and Mac desktops — and even laptops — into high-powered Media Composer workstations. And as faster host CPUs become available, you'll get even better performance. Support for IMX, DV25, DV50, and uncompressed 601 formats; AAF/OMF® format import and export; and QuickTime® support make the Media Composer Adrenaline system format independent and fully extensible. Seamless integration with Avid Unity™ MediaNetwork let you take full advantage of Avid Unity MediaManager and other Avid Productivity Tools**. And to protect your media and technology assets, Media Composer Adrenaline is fully compatible with JFIF (Avid Meridien™ hardware) and AVR (ABVB) media, as well as with a full range of third-party tools.

o Avid Media Composer Adrenaline performance increases as host system performance increases and is multiprocessor optimized.

o Avid Media Composer Adrenaline is the first nonlinear editor to support SMPTE –standardized MXF*** and deliver uncompressed video over a FireWire connection.

o Whether you want to move to HD video or 96 kHz audio in the future, Media Composer Adrenaline grows with you.

* HD Availability Planned for Future Release
** Planned Support Q3 2003 for Macintosh
*** MXF Planned Support Q3 2003

PRODUCT HIGHLIGHTS

Avid Adrenaline DNA
Video I/O
Standard Definition
- 10-bit SMPTE 259M SDI serial digital I/O
- 10-bit Component YPbPr, S-Video, and composite I/O
- DV25 I/O with real-time analog-to-DV and DV-to-analog conversion
- Uncompressed PAL and NTSC ITU-R 601 formats
- Sync reference input
- Serial deck control and 1394 deck control

HD Option Specs (preliminary)†
- High-definition SMPTE 292M SDI video I/O
- Production-quality compressed HD formats at 145 MBit (8-bit 4:2:2) and 220 MBit (8- and 10-bit 4:2:2) in the following formats:
  - 1080i at 30, 29.97, 25 fps
  - 1080p at 30, 29.97, 25, 24, 23.976 fps
  - 720p at 50, 60, 59.94 fps

Audio I/O
- 48 kHz, 44.1 kHz, and 32 kHz (hardware supports up to 96 kHz)
- 16- or 24-bit resolution
- 8 channels ADAT audio I/O
- 4 channels AES/EBU digital audio I/O
- 4 channels RCA analog audio inputs
- 4 channels XLR analog audio inputs

Media Composer Adrenaline
Editing Features
- Mixable resolutions in timeline
- Compatible with ABVB AVRs and Meridien JFIF
- DV25, DV50, and IMX50 support
- Media consolidate and transcode between resolutions
- 24 video and 24 audio tracks (unlimited video layers via nesting)
- 24 MetaSync tracks
- Real-time equal power audio dissolves
- 4:3 and 16:9 support
- Real-time audio sample rate conversion
- Multichannel Audio Punch-in with low latency monitoring
- Real-time audio mix to picture
- Support for Digidesign® AudioSuite™ plug-ins
- Real-time multiband EQ
- DV Scene Extraction
- Video Archive
- Media Chunking†† with Avid Unity media networks
- Multicamera grouping

Digital Video Effects + Compositing
- Real-time customizable 3D effects, including Warp, Picture-in-Picture, Corner Pinning, Shapes, Video Titles
- Real-time Dissolves, Superimposition, Resize, Flips, Flops, Wipes, Conceals, Squeezes, Masks, and Picture-in-Picture
- Real-time Moving Mattes
- Real-time Chroma and Luma keys
- Real-time full-motion alpha keying
- Nondestructive compositing on unlimited layers
- Customizable rampable motion effects UI including FluidMotion™
- Supports all AVX™ 1.5 plug-ins including third-party real-time plug-ins
- ExpertRender™ renders just the effects needed for playback
- Intraframe editing with Paint, AniMatte™, and Scratch removal
- Pan & Zoom creates video from high-res stills
- Deep Defocus, blur, mosiac

10-bit Color Correction
- Real-time professional-level color correction tools
- New One Step AutoCorrect
- NaturalMatch™
- Real-time keyframeable color effects
- Three-up Color Correction windows
- ChromaCurve™ and ChromaGraph display
- Advanced Waveform and Vectorscope monitors

Integrated Titling + Graphics
- Real-time uncompressed graphics and titles
- 2D and 3D titling including Marquee® on PC
- Rolling and crawling titles
- User-savable title style sheets

Streamlined Interoperability + Workflow
- Full support for Avid Unity MediaNetwork
- Full support for MediaManager**
- Full support for TransferManager**
- Total Conform of bins, sequences, edits, composites, audio settings, effects, and Avid media with Avid Xpress, Media Composer, and Symphony systems
- Advanced conform with Avid DS Nitris systems
- AAF import/export
- MXF*** or OMF native media
- Adobe Photoshop layers and After Effects support
- Media compatibility between Windows and Macintosh versions
- 24-bit audio file compatible with Digidesign Pro Tools® system
- Multiprocessor optimized

†HD Option Planned For Future Release
††PC only

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Avid Media Composer Adrenaline

SYSTEM REQUIREMENTS

PC* (Windows XP Professional)

Desktop: HP XW8000, 2.8 GHz dual Xeon processor

Laptop: Dell Notebook Latitude C840, 1.8 - 2.4 GHz Mobile P4

Mac* (Mac OS X 10.2.4 or higher)

Desktop: MAC G4 FW800, dual 1.42 GHz processor

Laptop: PowerBook G4 17-inch, 1.0 GHz

*Preliminary system requirements. Please see www.avid.com/mediacomposeradrenaline for updated information. Minimum memory requirement is 1 GB. Real-time performance will vary with system specifications. Optimum functionality requires fastest clock speed, dual-processor system, and high-performance subsystems. Striped drives are required for real-time performance at higher resolutions.

RESOLUTION CHART

Frame Rate	Capture	Playback	Render	Mix
25i/30i (PAL/NTSC)	1:1, 1:1x*** 2:1, 3:1, 10:1, 20:1 2:1s, 4:1s, 15:1s 4:1m, 10:1m	1:1, 1:1x*** 2:1, 3:1, 10:1, 20:1 2:1s, 4:1s, 15:1s 4:1m, 10:1m	1:1, 1:1x*** 2:1, 3:1, 10:1, 20:1 2:1s, 4:1s, 15:1s 4:1m, 10:1m	Yes†††
	DV25	DV25 DV50, IMX50	DV25 DV50, IMX50	
		AVR 77, 75b, 70b, 12 AVR 9s, 8s, 6s, 4s, 3s, 2s AVR 6m, 4m, 3m, 2m		
24p	1:1, 1:1x*** 2:1, 3:1, 14:1, 28:1, 35:1 3:1m, 8:1m	1:1, 1:1x*** 2:1, 3:1, 14:1, 28:1, 35:1 3:1m, 8:1m	1:1, 1:1x*** 2:1, 3:1, 14:1, 28:1, 35:1 3:1m, 8:1m	Yes†††

Note: DV25 includes three flavors (NTSC 4:1:1, PAL 4:1:1, and PAL 4:2:0).

†††All resolutions are mixable within the same frame rate.

LEARN MORE VISIT www.avid.com/mediacomposeradrenaline

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