



Breakthrough price/performance in realtime HD and SD editing

Matrox Axio LE is a complete post-production solution that lets you get the best from the Adobe Production Studio software. It gives you the highest finishing quality coupled with the most comprehensive realtime feature set and the most versatile codec technology, completely integrated with the Adobe software.

Matrox Axio LE goes far beyond the capabilities of systems that combine Adobe Premiere Pro with a simple I/O card. It features no-render HD and SD finishing in a wide range of compressed and uncompressed formats, superior realtime color correction tools, advanced realtime effects, and a full complement of analog and digital audio and video inputs and outputs. It also lets you work seamlessly with the other Adobe applications, fully supporting Adobe Dynamic Link and providing WYSIWYG video output support for Adobe After Effects and Photoshop CS2, as well as other industry-leading animation and compositing packages.

Matrox Axio LE key features

- Full-resolution multi-layer realtime editing of HD and SD video, graphics, and effects
- Realtime CPU-based effects such as color correction, speed changes, and chroma/luma keying
- Realtime and accelerated Matrox Flex effects such as 2D/3D DVE, blur/glow/ soft focus, and shine
- Uncompressed HD and SD editing
- Native HDV and DVCPRO HD editing
- Compressed HD editing (offline and online finishing-quality MPEG-2 I-frame)
- DV, DVCPRO, DV50, and MPEG-2 I-frame SD editing
- Realtime mixing of HD codecs or SD codecs on the timeline
- Realtime playback of SD clips in a 1080i HD timeline
- Realtime mixed-format multi-cam
- 24 fps editing in HD and SD with pull down and reverse pull down
- Realtime high-quality downscaling from HD to SD
- Accelerated export to DVD, multimedia formats including Flash Video, and Adobe Clip Notes
- WYSIWYG for Adobe After Effects and Photoshop, Autodesk Combustion and 3ds Max, eyeon Fusion, and NewTek LightWave 3D
- DV-1394, composite, Y/C, HD/SD analog component, and HD/SD SDI input and output
- Simultaneous HD and SD output
- 2-in/6-out AES/EBU audio, 2-in/6-out XLR audio, 2-in/6-out SDI embedded audio, 1/4" output jack for stereo monitoring

Matrox Axio LE incorporates Matrox Power of X and Flex technologies to leverage CPU and GPU power to provide the ultimate HD and SD post-production environment.

Matrox Axio LE goes far beyond the capabilities of systems that combine Adobe Premiere Pro and a simple I/O card. With Matrox Axio LE you get:

- Many more realtime layers of video and graphics in HD and SD
- More effects in real time including color correction, chroma/luma keying, speed changes, blur/glow/soft focus, and much more
- Broadcast-quality, realtime 3D effects with soft edges, and realistic shadows
- Native support for additional codecs including: DVCPRO HD, offline HD, MPEG-2 I-frame in HD and SD, DVCPRO, and DV50
- Realtime mixing of HD and SD clips on the timeline
- Realtime mixed-format multi-cam
- Simultaneous HD and SD output
- Accelerated export to DVD, all multimedia formats including Flash Video, and Adobe Clip Notes
- Audio VU meters on capture



Specifications

Capture/editing formats

HDV 1080i
DVCPRO HD
DV, DVCPRO, DV50, MPEG-2 I-frame
Uncompressed 8-bit SD
Uncompressed 8-bit HD
Compressed HD for offline and online (MPEG-2 I-frame)
Playback of legacy Matrox DigiSuite and RT series AVI files

Realtime video effects*

Three-way primary color correction
Three-way secondary color correction
Super smooth field- or frame-blended slow motion
Advanced 3D DVE
Chroma/luma keying
Dissolve, wipes
Surface finish
Blur/glow/soft focus
Shadow
Transitions
Page curls
Mask
Pan & scan
Mask mosaic
Mask blur
Four-corner pin
Track matte
Native Adobe Premiere Pro transitions
SD clip upscaling in a 1080i HD timeline
Accelerated shine

* Certain complex effects at certain resolutions using certain codecs may not playback in real time, but they still benefit from hardware acceleration. Matrox Axio LE relies on the power of your system CPU and GPU to process realtime Matrox Flex effects. Please visit our website for system configuration guidelines.

Audio inputs and outputs

XLR audio 2-in/6-out
AES/EBU audio 2-in/6-out
SDI embedded audio 2-in/6-out
1/4" output jack for stereo monitoring

Video editing

Ultra high performance editing with Adobe Premiere Pro
Mix codecs on the same timeline
EDL import and export
AAF export for interoperability with other systems
Waveform and vectorscope monitors for color correction and broadcast safe output
User customizable keyboard
Multiple nestable timelines for managing multi-layer effects and complex timelines
Accelerated export to DVD, all multimedia formats, and Adobe Clip Notes
WYSIWYG for compositing and graphics applications
Realtime mixed-format multi-cam
Closed captioning support in NTSC

Audio editing

Support for multi-channel 5.1 surround sound mixing and monitoring
Sub-frame audio editing
Audio sweetening with VST plug-in support
Voiceover recording in the timeline
VU meters on capture

Video inputs and outputs

Simultaneous HD and SD output
Realtime high quality downscaling from HD to SD
NTSC and PAL – ITU-R 601
1394
Composite
Y/C
Analog component
SDI – SMPTE 259M
Analog and digital genlock
1080p at 23.98 and 25 fps
1080i at 25 and 29.97 fps
1080p at 24 fps
720p at 59.94 fps
SDI HD – SMPTE 292M
Analog YPbPr component
Tri-level genlock

www.matrox.com/video

Corporate Headquarters

Matrox Video Products Group • Tel: (514) 685-2630, (800) 361-4903 (North America)
Fax: (514) 685-2853 • E-mail: video.info@matrox.com



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