



More Than Just I/O

Why buy an I/O card and a breakout box when you can get all the features of both in one of the Matrox MXO2 products? These award-winning devices can easily be moved among the Mac Pros in your facility, installed in an OB van, or taken on the road with a MacBook Pro. You get highly-reliable, broadcast-quality video and audio input/output and HDMI video monitoring with the unique Matrox calibration controls including blue-only. You also benefit from a wide variety of HD and SD workflows with Final Cut Studio and Adobe Creative Suite 5 thanks to a 10-bit hardware scaling engine and support for a wealth of file-based formats and industrystandard codecs. As an added advantage, all four of the Matrox MXO2 products are also available with Matrox MAX technology for faster than realtime high definition H.264 file creation for Blu-ray, the web, and mobile devices.

Matrox MXO2 Mini provides a cost-effective HD monitoring solution for Avid editing systems.

The Matrox MXO2 family can also be used with PC laptops and desktops.

Enjoy maximum I/O flexibility – edit anything, anywhere!

- Matrox MXO2 Mini – Affordable HDMI/analog video and audio I/O
- Matrox MXO2 LE – Professional HD/SD video and audio I/O
- Matrox MXO2 – Complete HD/SD video and audio I/O
- Matrox MXO2 Rack – Most comprehensive HD/SD video and audio I/O



Powered by Matrox MAX Technology

Matrox MAX is a unique technology that implements faster than realtime H.264 encoding for resolutions ranging from iPod to HD. It uses a dedicated hardware processor to accelerate the creation of H.264 files for Blu-ray, the web, and mobile devices. By using specialized hardware acceleration, jobs are finished with amazing speed and system resources are liberated for other tasks. Quality and flexibility are ensured through direct integration with Apple Compressor and support for other applications on the Mac such as Telestream Episode, Final Cut Pro and QuickTime Pro through the QuickTime codec component.

Key features

- Convenient form factors for use in studio, on set, in the field, and in OB vans
- Works with Intel-based MacBook Pros, Mac Pros, and Apple Xserve systems
- Broadcast-quality HD/SD video and audio input/output
- Flexible support for leading codecs, file formats, cameras, and workflows
- Extensive application support including Final Cut Pro, Apple Color, Adobe After Effects and Premiere Pro, and many more
- Support for popular 3D workflows
- Cost-effective HD monitoring for Avid Media Composer 5 with Matrox MXO2 Mini
- 10-bit HDMI input, output, and monitoring with calibration controls including blue-only
- 10-bit realtime hardware up/down/cross conversion on capture and output
- Hardware acceleration of Final Cut Pro Dynamic RT segments, HDV, and DVCPRO HD
- Matrox Vutura Capture – stand-alone application for quick and easy capture to a variety of QuickTime codecs
- Matrox Vutura Playback – stand-alone application for convenient playback of your H.264 and .mov files
- Also available with Matrox MAX for faster than realtime H.264 encoding
- Three-year hardware warranty and complimentary telephone support

Product Selection Table – Matrox MXO2 I/O Devices for Mac

	MXO2 Mini	MXO2 LE	MXO2	MXO2 Rack
Video Input				
Component HD/SD	Yes	Yes	Yes	Yes
SDI HD/SD	No	Yes	Yes	Yes
Y/C	Yes	Yes	Yes	Yes
Composite	Yes	Yes	Yes	Yes
HDMI	Yes	Yes	Yes	Yes
Audio Inputs				
RCA Audio (unbalanced)	2 channels	2 channels	2 channels	No
XLR Audio (balanced)	No	2 channels	2 channels	4 channels
AES/EBU (unbalanced)	No	No	2 channels	4 channels
SDI embedded audio (16 channels)	No	Yes	Yes	Yes
HDMI embedded audio (8 channels)	Yes	Yes	Yes	Yes
Video Outputs				
Component HD/SD	Yes	Yes	Yes	Yes
SDI HD/SD	No	Yes	Yes	Yes
Y/C	Yes	Yes	Yes	Yes
Composite	Yes	Yes	Yes	Yes
HDMI	Yes	Yes	Yes	Yes
Audio Outputs				
RCA audio	2 channels	2 channels	6 channels	No
XLR Audio (balanced)	No	2 channels	4 channels	8 channels
AES/EBU (unbalanced)	No	No	2 channels	4 channels
SDI embedded audio (16 channels)	No	Yes	Yes	Yes
HDMI embedded audio (8 channels)	Yes	Yes	Yes	Yes
Direct surround sound monitoring	No	No	5.1	5.1 and 7.1
Hardware scaling				
Hardware downscaling	Yes	Yes	Yes	Yes
Hardware upscaling	Yes	Yes	Yes	Yes
Cross conversions	Yes	Yes	Yes	Yes
Aspect ratio conversions				
Anamorphic	Yes	Yes	Yes	Yes
Letterbox	Yes	Yes	Yes	Yes
Center cut	Yes	Yes	Yes	Yes
General				
PC and Mac support	Yes	Yes	Yes	Yes
Also available with Matrox MAX H.264 encoding acceleration	Yes	Yes	Yes	Yes
Portable (external box)	Yes	Yes	Yes	rackmount
Runs off field battery	No	Yes	Yes	No
Laptop support	Yes	Yes	Yes	Yes
Final Cut Studio support	Yes	Yes	Yes	Yes
HD monitoring with Avid Media Composer	Yes	No	No	No
Adobe CS5 Production Premium support	Yes	Yes	Yes	Yes
Genlock with phase timing	No	Yes	Yes	w/loop through
HDMI monitor calibration utility	Yes	Yes	Yes	Yes
Scrub/pause modes	Yes	Yes	Yes	Yes
Proc amp controls on input	Yes	Yes	Yes	Yes
Open codec support	Yes	Yes	Yes	Yes
WYSIWYG video output for motion graphics, animation, and compositing applications	Yes	Yes	Yes	Yes
Matrox Vetura Capture app	Yes	Yes	Yes	Yes
Matrox Vetura Playback app	Yes	Yes	Yes	Yes
Extra features for Final Cut Studio				
Dynamic RT acceleration	Yes	Yes	Yes	Yes
DVCPRO HD acceleration	Yes	Yes	Yes	Yes
HDV acceleration	Yes	Yes	Yes	Yes
RS-422 device control	No	Yes	Yes	Yes
NTSC closed captioning support	Yes	Yes	Yes	Yes
HD-SDI closed captioning support via Matrox 4VANC	No	Yes	Yes	Yes
HD-SDI AFD (active format descriptor) support via Matrox 4VANC	No	Yes	Yes	Yes

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