

Matrox RT.X2 product selection table

Capture/editing formats	RT.X2	RT.X2 SD
HDV 1080i	X	capture only
HDV 1080p	X	capture only
HDV 720p	X	—
P2 MXF 720p and SD	X	—
DV, DVCPRO, DVCAM	X	X
MPEG-2 4:2:2 I-frame SD*	10-25 mbps	10-25 mbps
MPEG-2 4:2:2 I-frame HD at 1440 horizontal resolution*	50-100 mbps	—
Compressed HD for offline	editing only	—
Playback of legacy RT series AVI files	X	X

* Also available as 32-bit AVI with alpha.

Realtime video effects**	RT.X2	RT.X2 SD
Three-way primary and secondary color correction	X	X
Super smooth field- or frame-blended slow motion	X	X
Advanced 3D DVE	X	X
Chroma/luma keying	X	X
Dissolve, wipes	X	X
Surface finish	X	X
Blur/glow/soft focus	X	X
Shadow	X	X
Transitions	X	X
Page curls	X	X
Mask, mask mosaic, mask blur	X	X
Pan & Scan	X	X
Four-corner pin	X	X
Track matte	X	X
Native Adobe transitions and effects	X	X
Accelerated shine	X	X
Crystallize	X	X
Old movie	X	X
Lens flare	X	X
Move & scale	X	X
Accelerated cube***	X	X
Ripple	X	X
Twirl	X	X
Impressionist	X	X
Adobe garbage mask	X	X
Sphere	X	X
Timecode	X	X

** Certain complex effects at certain resolutions using certain codecs may not playback in real time, but they still benefit from hardware acceleration. The Matrox RT.X2 platforms rely on the power of your system CPU and GPU to process realtime Matrox Flex effects. Please visit our website for system configuration guidelines.

*** Requires GPU with 512 MB.

Audio	RT.X2	RT.X2 SD
RCA audio	2-in/2-out†	2-in/2-out†
16-bit, 48 kHz	X	X

† The RT.X2 cards rely on your system sound card to capture and output audio.

Video editing	RT.X2	RT.X2 SD
Ultra high performance editing with Adobe Premiere Pro CS3	X	X
Realtime mixed-format timelines	X	SD timelines only
EDL import and export	X	X
AAF export for interoperability with other systems	X	X
Waveform and vectorscope monitors	X	X
User customizable keyboard	X	X
Multiple nestable timelines	X	X
Accelerated export to DVD and all multimedia formats	X	X
WYSIWYG for compositing and graphics applications	X	X
Realtime mixed-format multi-cam	X	SD timelines only

Audio editing	RT.X2	RT.X2 SD
Support for multi-channel 5.1 surround sound mixing and monitoring	X	X
Sub-frame audio editing	X	X
Audio sweetening with VST plug-in support	X	X
Voiceover recording in the timeline	X	X
VU meters on capture	X	X

Video inputs and outputs	RT.X2	RT.X2 SD
Realtime high quality downscaling from HD to SD	X	—
DVI-D preview output	X	—
SD		
1394	X	X
Composite	X	X
Y/C	X	X
Analog component	X	X
HD		
1394	X	input only
Analog YPbPr component	X	—

Supported editing resolutions	RT.X2	RT.X2 SD
720p @ 23.98, 25, 29.97, 50, 59.94	X	—
HDV 1080i (1440 x 1080) @ 25, 29.97	X	—
HDV 1080p (1440 x 1080) @ 23.98, 25, 29.97	X	—
NTSC	X	X
PAL	X	X
486p @ 23.98, 29.97	X	X
576p @ 25	X	X

General	RT.X2	RT.X2 SD
PCIe 1x card requirements	full-length	standard