

Matrox RT.X100 Xtreme Pro HW

Realtime, no-compromise DV editing and DVD authoring



If you're a serious professional looking for a way to maximize productivity and create compelling content that stands out from the crowd, Matrox RT.X100 Xtreme Pro HW is the solution for you. It's ideal for corporate communicators, event videographers, project studios, educational facilities, and digital filmmakers.

Key features

- Full-quality, full-resolution, no-compromise editing with Adobe Premiere Pro
- Most powerful realtime 3D technology for video, titles, and 32-bit graphics
- Sought-after realtime filters and color tools – pan & scan, old movie, soft focus, color match, and more
- Advanced realtime, 3-way, 18-parameter YUV color correction plus 8-parameter RGB gain/offset colorization
- Professional waveform and vectorscope monitors
- Realtime chroma and luma keying with 4:4:4 upsampling
- Realtime super-smooth, field-blended fast and slow motion
- Realtime DV-1394, composite, and Y/C input and output
- Realtime SinglePass DV scan and capture
- Realtime MPEG-2 capture and encoding for DVD authoring
- Video capture using OHCI and Video-for-Windows compliant applications
- Hardware-accelerated simultaneous batch encoding of DVD, SVCD, VCD, and web formats
- For use with Adobe Premiere Pro or Adobe Production Studio

Combined with the latest Adobe software, the Matrox RT.X100 Xtreme Pro hardware unifies and streamlines the workflow of editing, graphics design, compositing, DVD authoring, and web video production. You get:

- Full-quality, full-resolution, no-compromise DV editing with Adobe Premiere Pro
- Superior realtime 3D effects with advanced keyframe control
- Sought-after realtime filters and color tools – pan & scan, old movie, soft focus, color match, and more
- Realtime analog and DV capture and print-to-tape
- Realtime MPEG-2 capture and encoding
- WYSIWYG video output with Adobe After Effects and Adobe Photoshop as well as other leading applications

Matrox RT.X100 Xtreme Pro HW includes the Matrox RT.X100 Xtreme hardware and Matrox X.tools software for use with your copy of Adobe Premiere Pro or Adobe Production Studio.

Realtime Matrox Flex 3D effects and transitions

Most advanced realtime 3D technology for video, titles, and 32-bit graphics



- Realtime move & scale
- Realtime basic, advanced, and masked 2D/3D DVEs
- Realtime corner pin
- Realtime RGB colorization
- Realtime page curls
- Realtime blur
- Realtime particle effects
- Realtime 3D tiles
- Realtime distortions
- Realtime mesh warps
- Realtime ripples
- Realtime twirls
- Realtime cubes
- Realtime lens flare
- Realtime organic wipes
- Realtime spheres
- Realtime mosaic
- Realtime emboss
- Realtime pan & scan
- Realtime soft focus
- Realtime old movie effect
- Realtime native Adobe Premiere Pro transitions and motion
- Realtime lens warp
- Realtime time code overlay
- Visit www.fxzone.matrox.com effects exchange community for new Matrox Flex 3D effects

Realtime CPU-based effects

- Realtime super-smooth, field-blended fast and slow motion
- Advanced realtime, 3-way, 18-parameter YUV color correction complemented by 8-parameter RGB gain/offset colorization
- Waveform and vectorscope monitors
- Realtime color pass
- Realtime color replace
- Realtime color match



- Realtime chroma and luma keying with auto key



Full complement of superior acquisition and delivery tools

- Realtime composite and Y/C analog input and output
- Realtime DV acquisition and output
Matrox MediaTools for realtime SinglePass DV scan and frame-accurate capture



Still image capture with automatic de-interlacing for flicker-free photomontages
Realtime DV output
Frame-accurate insert edits

- Video capture using OHCI and Video-for-Windows compliant applications
- Realtime MPEG-2 for DVD authoring
Realtime MPEG-2 IBP capture from analog and DV sources
Realtime MPEG-2 IBP encoding from the Adobe Premiere Pro timeline
- Accelerated simultaneous batch encoding of DVD, VCD, SVCD, and web formats
- Free web video hosting at www.matrox.tv

www.matrox.com/video

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Complete suite of digital video production tools

Matrox MediaTools
Matrox MediaExport
Ligos GoMotion
WYSIWYG video output plug-in for Adobe After Effects, Adobe Photoshop, NewTek LightWave, Discreet 3ds max
WYSIWYG support for standard DirectShow-based applications
Pixélan Video Spice Rack Lite

Recommended system requirements

- Pentium 4 at 2.4 GHz, Athlon XP 2100+, or faster
- Windows XP Home or Professional
- 1 GB DDR RAM or RDRAM
- Free PCI slot
- Display card (Matrox G550, P650, P750, or Parhelia recommended)
- 16-bit sound card (DirectSound compatible)
- CD-ROM drive (DVD-ROM drive for Adobe Encore DVD installation)
- At least 2.5 GB of free space on system drive to install all included software
- Separate hard drive for A/V content
- Additional A/V drive for realtime export to disk
- DV-1394 camcorder or VTR
- Adobe Premiere Pro or Adobe Production Studio

Visit our web site for a complete list of validated computers, motherboards, display cards, sound cards, storage devices, and DV-1394 devices.

Specifications

General

PCI interface
3/4 size PCI card
Regulatory compliance
FCC Class B, CE Mark Class B

Video features

Inputs
1394 6-pin
composite video (CVBS), RCA jack
S-video (Y/C), mini-DIN
NTSC, PAL, and SECAM

Outputs
1394 6-pin
composite video (CVBS), RCA jack
S-video (Y/C), mini-DIN
NTSC and PAL

Video formats
ITU-R 601
NTSC: 720 x 480 at 29.97 frames/sec
PAL/SECAM: 720 x 576 at 25 frames/sec
4:3 and 16:9 aspect ratios

Video overlay
Video-in-a-window support on console

Realtime video codec

Capture
DV, DVCAM – NTSC 4:1:1, PAL 4:2:0
DVCPRO – NTSC and PAL 4:1:1
MPEG-2 MP@ML IBP from 2 to 10 Mbps

Playback
DV, DVCAM – NTSC 4:1:1, PAL 4:2:0
DVCPRO – NTSC and PAL 4:1:1

Export
DV, DVCAM – NTSC 4:1:1, PAL 4:2:0
DVCPRO – NTSC and PAL 4:1:1
MPEG-2 MP@ML IBP from 2 to 10 Mbps

Audio features
Sampling method
16 bit, 48 kHz
Analog audio I/O
dependent on audio card



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