

Matrox RT.X100 Xtreme

Professional video editing and DVD authoring



Key features

- 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
- Realtime super-smooth, field-blended fast and slow motion
- Realtime pan & scan filter for aspect ratio conversion between 16:9 and 4:3
- Most powerful realtime 3D technology for video, titles, and 32-bit graphics
- Intuitive, consistent interfaces for efficient, accurate effects creation
- Freedom to combine and keyframe over 16 effects in real time, at full quality
- XtremePreview for editing many layers and effects without rendering
- Realtime SinglePass DV scan and capture
- Realtime MPEG-2 capture and encoding for DVD authoring
- Realtime DV-1394, composite, and Y/C input and output
- Video capture using OHCI and Video-for-Windows compliant applications
- Hardware-accelerated simultaneous batch encoding of DVD, SVCD, VCD, and web formats
- Professional DVD authoring with Sonic ReelDVD Studio

Matrox RT.X100 Xtreme is part of the new generation of Matrox products that incorporate the **Power of X** – a new architecture that leverages the scalable power of your CPU with the explosive performance of dedicated hardware for the ultimate realtime video editing experience.

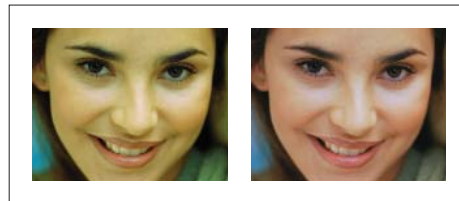
Matrox RT.X100 Xtreme delivers many unique professional features that are not available on any other video editing card in its class. It's ideal for corporate communicators, event videographers, project studios, educational facilities, and digital filmmakers.

The Matrox RT.X100 Xtreme bundle includes the full versions of Adobe Premiere and Sonic ReelDVD Studio. You get full-quality, full-resolution, no compromise realtime editing and professional DVD authoring at a price that is comparable, or even lower, than other software-only realtime applications. The combination of Matrox RT.X100 Xtreme and Adobe Premiere provides vastly more realtime editing and productivity features than you get with just software alone.

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

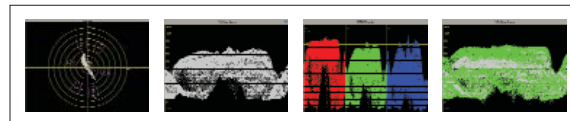


Realtime proc amp controls

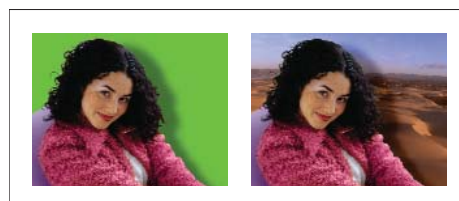
Realtime 3-way color control with automatic blacks/mids/whites balance

Realtime input/output level control with auto level

Waveform and vectorscope monitors

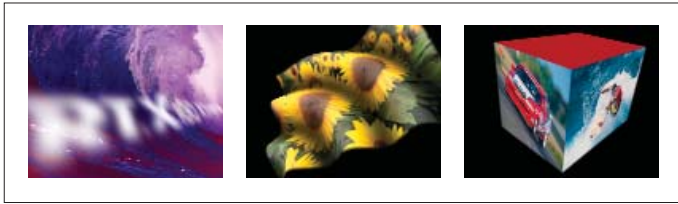


Realtime chroma and luma keying with auto key



Realtime Matrox Flex 3D effects and transitions

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



- Realtime basic, advanced, and masked 2D/3D DVEs
- 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 native Adobe Premiere transitions
- Visit www.fxzone.matrox.com effects exchange community for new Matrox Flex 3D effects

Complete control for the ultimate in creative freedom

Combine over 16 effects in real time!



XtremePreview for editing many layers and effects without rendering
Realtime broadcast-quality titling
Advanced keyframe control
Custom keyframe library
A smooth, responsive editing experience
Matrox TurboDV multi-layer compositing engine

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
Stop motion and time lapse capture
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 timeline

Accelerated simultaneous batch encoding of DVD, VCD, SVCD, and web formats
Free web video hosting at www.matrox.tv

Complete suite of digital video production tools

Adobe Premiere like you've never seen before

- Better capture tools
- Full-quality turbo-charged editing
- Faster, better export tools

Sonic ReelDVD Studio for professional DVD authoring

Sonic DVi! SE for simple DVD projects

Matrox MediaTools

Matrox MediaExport

Ligos GoMotion

WYSIWYG video output plug-in for After Effects, LightWave, 3ds max

WYSIWYG support for standard DirectShow-based applications

Pixelán Video Spice Rack Lite

Sonic Desktop SmartSound Quicktracks

Recommended system requirements

- Pentium 4 at 2.2 GHz, Athlon XP 2000+, or faster
- Windows XP Home or Professional
- 512 MB DDR RAM or RDRAM
- Free PCI slot
- Display card (Matrox G550, P650, P750, or Parhelia recommended)
- 16-bit sound card
- CD-ROM drive for software installation
- 500 MB of free space for software installation on system drive
- Separate hard drive for A/V content
- Additional A/V drive for realtime export to disk
- DV-1394 camcorder or VTR

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
MPEG-2 MP@ML IBP from 2 to 10 Mbps

Playback

DV, DVCAM
NTSC 4:1:1, PAL 4:2:0

Export

DV, DVCAM
NTSC 4:1:1, PAL 4:2:0
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

www.matrox.com/video

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