Matrox *RT.X100*

Professional video editing to the *Power of X*

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

Matrox RT.X100 builds on the success of the Matrox RT2500 and Matrox DigiSuite MAX realtime editing platforms that have won numerous awards and been delivered to well over 100,000 users worldwide.

Key features

- The *Power of X*
- Adobe Premiere like you've never seen before – better capture tools, full-quality turbo-charged editing, faster export
- Realtime DV output
- Realtime SinglePass DV scan and capture
- Realtime MPEG-2 capture and encoding for DVD authoring
- Realtime advanced color correction with 18-parameter control
- Realtime chroma and luma keying
- Realtime adjustable slow and fast motion
- Realtime Matrox Flex 3D effects such as 3D DVE, blur, ripple, cube, and many more
- Freedom to combine and keyframe up to 16 effects in real time, at full quality
- Realtime composite and Y/C input and output
- Accelerated batch encoding of VCD, SVCD, multimedia, and web formats

Realtime CPU-based effects

Realtime adjustable slow and fast motion
State-of-the-art 18-parameter color corrector

Realtime proc amp controls
Realtime color balance with automatic white balance
Realtime input/output level control with auto level

Realtime chroma and luma keying with auto key

matrox
Digital Video Solutions

Realtime Matrox Flex 3D effects and transitions

Realtime basic, advanced, and masked 2D/3D DVEs
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 native Adobe Premiere transitions
www.fxzone.matrox.com effects exchange community

Complete control for the ultimate in creative freedom

Combine up to 16 effects in real time!

Realtime broadcast-quality titling
In-context editing
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

    Stop motion and time lapse capture
    Realtime DV output
    Frame-accurate insert edits
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 batch encoding of VCD, SVCD, multimedia, and web formats
www.matrox.tv free web video hosting

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 Solutions DVDit! LE
Matrox MediaTools
Matrox MediaExport
Ligos GoMotion
WYSIWYG plug-in for After Effects, LightWave, 3ds max
Pixélan 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 G450, G550, 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
RT.X100 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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