



StreamStation™

Multi-format video encoding and distribution workstation

Unleash your creative abilities in more formats than ever before.

live streaming

StreamStation is the highest performance multi-format media encoding platform available. Based on the IBM Intellistation™ with dual Xeon processors standard, the StreamStation is a workstation that can encode multiple channels of lossless compressed video or multiple formats of compressed video effortlessly leaving your other workstations free to continue working on new content. StreamStation gives you the ability to transcode your video into Windows Media, Real, MPEG formats, and more all in real-time, all at the same time saving you both time and effort spent using other software and hardware systems.

high quality capture

StreamStation multi-format encoding capabilities allow you to reach a wider audience than you ever have before with video and audio optimized for each viewing environment. With StreamStation you will be able to address any target platform with the highest quality video possible. It will not matter if the target is a network attached Microsoft Windows PC or Apple Macintosh, a set top box running on broadband, or a wireless PDA running a proprietary OS, StreamStation can encode to all of the formats and bitrates necessary to reach all of these devices and it does so with the highest quality video and audio possible.

multi-format encoding

The secret to the StreamStation's incredible encoding capabilities is the Digital Rapids Stream-2500 hardware PCI card and our StreamPro software application. The Stream-2500 hardware is the only PCI plugin board to feature two channels of advanced video processing capabilities and up to 8 channels of audio processing. Each video channel consists of powerful features such as motion adaptive de-interlacing and 3D noise reduction. Powerful video pre-processing means that you can deliver higher quality, higher resolution, progressive scan video that makes more efficient use of bandwidth than video created using competing systems. Each audio processing engine features dual 7-band parametric EQ and dynamic range compression/expansion to make sure your message gets through loud and clear.

The StreamPro software application gives you one simple, consistent interface that leads you through the steps of creating multiple encode formats in just a few steps and allows you to deliver your content with as little as one mouse click. One interface that controls all of your content, manages all of the real-time encoding parameters, and manages the distribution and archiving of your media. One click and you can reach a whole new audience.

The StreamStation is more than an encoding workstation, it is a vital link between your existing video equipment and tomorrow's consumers.

focused on the future of
digital video.

StreamStation™

specifications

Workstation:

IBM Intellistation™ M-PRO workstation
Dual Intel® Xeon™ Processors
(up to 2.4Ghz)
512MB RDRAM standard
(up to 4GB available)
6 PCI Slots (two 64/66)
9 drive bays
Dual Ultra 160 SCSI available
(SCSI models)
ATA 100 IDE interface (IDE models)
Intel 10/100 Ethernet
USB
Advanced 2D graphics processor
(ATI, NVidia, 3DLabs available)

Analog Video inputs

2 x Component (3 BNC)
2 x S-Video (Y/C)
2 x Composite (BNC)

Digital Video inputs
(digital models only)

2 x SDI
1 x 1394 DV

Analog Audio inputs

4 x Balanced Audio (XLR)
4 x Unbalanced Audio (RCA)

Digital Audio inputs (digital models only)

2 x AES

Output Formats

Microsoft WMV, WMA, AVI
Real - All formats
MPEG-1
MPEG-2
MPEG-4

Output resolutions

Video QCIF - CCIR601 (Scalable)

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Video Processing Capabilities

NTSC or PAL inputs (user-selectable)
Motion Adaptive de-interlacing
3:2 and 2:2 film process de-interlacing
Graphics overlay
Arbitrary Shrink/Zoom
3D noise reduction
2D bandwidth limiting
Aspect Ratio conversion
Crop
Proc-amp controls

Audio Processing Capabilities

20 bit internal processing
7- Band Parametric EQ (4/8)
Dynamic Range Compression
Hardware Sample Rate Converter
Bass and Treble control
4/8 Channel Mix
Volume control

digital



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