



focused on the future of digital video

www.digital-rapids.com



Images courtesy of Computer Cafe

Professional Solutions for IPTV, VOD, Web Streaming, Mobile Video, Post Production, Archive & More

Capture · Encode · Transcode · Protect · Stream · Deliver

Professional, scalable hardware and software solutions for ingest, encoding, transcoding, protection, streaming, playout and delivery of content.

Video Ingest, Encoding, Transcoding and Streaming StreamZ™ and StreamZHD™ Servers, DRC-Stream™ Cards and Stream Software

Video in, top-quality encoded video out. Digital Rapids media encoding systems deliver high-performance, multi-format video capture and encoding from live sources or decks, transcoding between media formats and live streaming in easy to use, streamlined solutions that integrate easily into any environment.

Digital Rapids' advanced hardware-based preprocessing features include motion-adaptive de-interlacing and 3D noise reduction, preparing the video prior to compression to enable optimum quality and the most efficient use of bandwidth in the compressed result. This preprocessing also reduces the amount of work that the compression engine needs to do, letting you process more video and audio streams simultaneously.

All Digital Rapids encoding solutions include the flexible and easy to use Stream software. The Stream software lets you encode and stream to multiple formats, resolutions and bit rates simultaneously in real time, giving you exceptional productivity while targeting multiple distribution channels with individually optimized media streams. Standard and optional formats supported include Windows Media 9, SMPTE VC-1, AVC (H.264), MPEG-4, MPEG-2, Flash, QuickTime, AVI and more. StreamEnterprise™ software, included with some configurations, includes powerful workflow integration and automation tools including RS422 device control, VBI capture with Closed Caption support, watch folder support, clip lists, e-mail notification, automated FTP delivery, direct DVD output and more.

Standard Definition

DRC-Stream encoding bundles combine DRC-Stream PCI hardware with the Stream LE™ software for installation in an existing PC workstation. StreamZ encoding servers feature the DRC-Stream hardware and Stream software in a fully-configured, turnkey solution.

High Definition

StreamZHD format-agile media encoding servers expand the power of StreamZ into the HD domain. StreamZHD can capture HD or SD video in its native format, or format convert it on-the-fly to any other HD or SD format. StreamZHD can capture to uncompressed files or encode to select formats at up to 1920x1080 in real time. For combinations of output formats that can't be simultaneously encoded in real time, Batch Encoding mode captures to an uncompressed file and automatically transcodes it to multiple formats without user intervention.

Automated, High-Volume Media Transcoding Digital Rapids Transcode Manager™ Software

Digital Rapids Transcode Manager™ provides distributed media transcoding for high-volume, multi-format content workflows. It features centralized management, automation and load balancing for large transcoding jobs involving many media files, increasing production volume while reducing operational costs. Scalable from small transcoding farms to enterprise level operations, a Transcode Manager Server works in conjunction with multiple Transcode Engines, intelligently assigning jobs for optimal throughput. Transcode Manager goes beyond standard load balancing by "learning" which Transcode Engine nodes are most efficient for each type of encoding and allocating jobs accordingly.

Live Media Encoding and Streaming StreamZ Live™ Encoders and Digital Rapids Broadcast Manager™ Software

The StreamZ Live™ family of live streaming media encoders deliver the benefits of Digital Rapids' award-winning StreamZ™ studio encoding servers in a streamlined configuration optimized for demanding live applications. StreamZ brings the same exceptional output quality, robustness and efficient operation that leading studios and networks depend on daily to a dedicated live platform supporting distribution channels from IPTV to webcasting. Available with your choice of one of four encoding formats – H.264, VC-1, Flash 8 and MPEG-2 – StreamZ Live features Digital Rapids' renowned hardware-based preprocessing, delivering industry-leading streaming quality with reliability to meet the unforgiving demands of live streaming.

Digital Rapids Broadcast Manager™ provides enterprise-level management, remote control, status monitoring and failure recovery for multiple Digital Rapids live streaming encoders, handling system management, scheduling, status updates, failover, maintenance modes and alerts. Scalable to hundreds of channels, Broadcast Manager simplifies operations and bolsters reliability for IPTV, web streaming and other mission-critical IP-based video delivery.

Data and Media Delivery Digital Rapids Copper™ Software

Move data quickly, reliably and securely over the Internet or private networks with the Copper global data delivery software. Copper transfers media and data files securely and reliably over long distances with a tremendous speed advantage over standard TCP based technologies like FTP, and with outstanding resilience to even the most challenging network conditions. Copper can be used for the delivery of any data including large video files, databases, or any other file type. Copper minimizes the impact of inherent performance inhibitors in imperfect networks, including latency (particularly problematic across large geographic distances) and packet loss (caused by network congestion). Bandwidth utilization and throughput are maximized to near wirespeed, providing transfer acceleration. Multiple levels of robust security, including AES encryption, protect your sensitive data. Copper also includes tools to help manage your file transfers, including tuneable rate control to optimize network utilization, audit tracking, watch folders, and e-mail notifications.

Video Ingest and Playout CarbonHD™ DDRs

CarbonHD lets you capture, encode, trim and playout HD and SD video, all from an integrated software interface with VTR-style controls that make operation simple. In addition to 10-bit and 8-bit uncompressed video, CarbonHD supports real-time, hardware, wavelet-based JPEG2000 compression in both fully lossless (typically 3:1) and lossy (typically 8:1 or higher) modes at user-selectable data rates. With integrated up, down and cross-conversion during capture, CarbonHD lets you work with HD or SD video in its native format, or format convert it on-the-fly. Graphic overlays can be added during capture, and clips can be trimmed and arranged in playlists.



integrate

customize

automate

quality

productivity

reliability



HD Video



SD Video



Internet

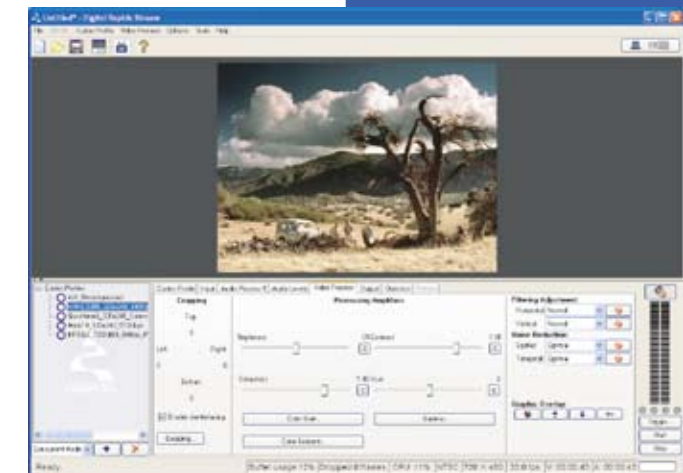


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About Digital Rapids

Digital Rapids develops market-leading hardware and software solutions for repurposing and distributing content across the rapidly expanding range of network-enabled platforms and devices. We offer solutions that scale from individual applications to enterprise and global workflows, combining advanced technology with proven expertise to help our customers streamline operations, increase their productivity and maximize the value of their content as they pursue new opportunities in the evolving digital media market. With solutions that dramatically increase the volume and quality of media produced while lowering overall costs, Digital Rapids is focused on the future of digital video, while empowering our customers' success today.

StreamZHD™

*High-Performance,
Multi-Format HD/SD SDI
Ingest, Encoding and
Streaming Servers*



StreamZ™

*High-Performance,
Multi-Format SD Ingest,
Encoding and Streaming
Servers*



StreamZ Live™

*Top-Quality Live Streaming
Media Encoders*



DRC-Stream™

*Multi-Format SD Ingest,
Encoding and Streaming
Cards with Software*



Transcode Manager

*Scalable, Automated,
Distributed, High-Volume
Media Transcoding*



Broadcast Manager

*Scalable Enterprise Live
Streaming Encoder
Management and Control*



Digital Rapids Copper™

*Wirespeed, Secure,
Reliable Global Data and
Media Delivery Software*



CarbonHD™

*HD/SD SDI Capture,
Trimming and Playout
DDRs with Integrated
HD/SD Format Conversion*



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