

Stream Codec Options

Digital Rapids encoding and transcoding solutions are renowned for their format flexibility. The optional modules below supplement the extensive standard codec and file format support included with our systems. These modules are available for all Digital Rapids media encoding systems (including StreamZ™, StreamZHD™, DRC-Stream™ and StreamP™) and the Digital Rapids Transcode Manager® enterprise-level transcoding software.

Note that some modules may be included standard with select system configurations; please see our website for details of version compatibility and bundling.

Digital Rapids Studio AVC Encoder™

The Digital Rapids Studio AVC Encoder options provide premium-quality AVC/H.264 (MPEG-4 Part 10) live streaming or file-based encoding meeting the stringent requirements of professional applications and distribution platforms including VOD, IPTV and Blu-ray. The Studio AVC Encoder supports Baseline, Main and High AVC/H.264 profiles, with full configurability of levels and parameters, and interlaced or progressive output. Closed Caption data can be embedded in H.264 Elementary Streams with support for EIA-608, EIA-708 and SCC. StreamPro™ or StreamEnterprise™ software or Digital Rapids Transcode Manager is required.

The Studio AVC Encoder is available by itself or as a bundle:

- **DRC Studio AVC Encoder** — AVC/H.264 video encoding to Elementary Streams (files or RTP streams)
- **DRC Studio AVC Encoder Bundle** — AVC/H.264 video encoding to Elementary Streams (files or RTP streams), plus flexible multiplexing of H.264 video and audio streams into Transport Streams with muxing technology from Manzanita Systems.
 - o Flexible muxing architecture enables simultaneous output of multiple Elementary and Transport Streams in a single step while eliminating redundant encoding (e.g. multiple Transport Streams with the same video but differing audio such as languages)
 - o AAC-LC, HE-AAC and MPEG Layer 2 audio support included (AC-3 audio support available as an additional option)

DRC AVC for Flash

The DRC AVC for Flash option provide premium-quality H.264 live streaming through Adobe® Flash® Media Server 3 to Adobe Flash Player 9 and Adobe AIR applications. *(Creation of AVC F4V/FLV Adobe Flash 9 files for on-demand applications equires Digital Rapids AVC Encoder, available as a separate option).*

- Supports Baseline and Main AVC/H.264 profiles
- Outputs progressive video streams over RTMP protocol
- Includes AAC-LC and HE-AAC audio support

Digital Rapids AVC Encoder (Nero Digital™)

Powered by Nero Digital technology, the Digital Rapids AVC Encoder creates top-quality AVC/H.264 (MPEG-4 Part 10) and MPEG-4 Part 2 .MP4 files for platforms ranging from PCs to mobile phones and personal media players.

- Supports Baseline and Main AVC/H.264 profiles
- Supports Simple and Advanced Simple MPEG-4 Part 2 profiles
- Automatic selection of MPEG-4 levels
- Supports AAC-LC and HE-AAC audio within the .MP4 output
- File-based encoding
- Ideal for encoding files for the new H.264 support in Adobe® Flash® Player

Ingest • Encode • Transcode • Stream • Deliver • Protect • **Playout**



3GPP/Mobile Encoder

The 3GPP/Mobile option enables encoding to files and live streaming for 3GPP and other mobile devices.

- Includes H.263, H.264 and MPEG-4 Part 2 video with AAC-LC or AMR audio
- Compatible with Stream LE™, StreamPro, StreamEnterprise and Digital Rapids Transcode Manager (please specify software level when ordering)

MXF Import

The MXF Import option adds the ability to import media packaged in the MXF (Material eXchange Format) file format.

- This option "extracts" the media essence stored within the MXF file; additional codecs may be required for decoding the compressed media itself
- Powered by OpenCube technology
- Compatible with Stream LE, StreamPro, StreamEnterprise and Digital Rapids Transcode Manager

MXF Import/Export

The MXF Import/Export option adds the ability to import and export media packaged in the MXF (Material eXchange Format) file format.

- This option "extracts" or "packages" the media essence stored within the MXF file; additional codecs may be required for encoding and decoding the compressed media itself
- Powered by OpenCube technology
- Requires StreamPro, StreamEnterprise or Digital Rapids Transcode Manager

GXF Import

The GXF Import option adds the ability to import media packaged in the GXF file format (common with Grass Valley servers)

- This option "extracts" the media essence stored within the GXF file; additional codecs may be required for decoding the compressed media itself
- Powered by OpenCube technology

On2 VP6 Encoder (for Adobe Flash Player 8 and higher)

Two optional modules support the creation of On2 VP6-based video for Adobe Flash (commonly referred to as Flash 8 Video).

- **On2 VP6 File Encoder** — supports encoding and transcoding to FLV or SWF files (including MP3 audio) from live, tape-based or media file inputs
- **On2 VP6 File+Live Encoder** — all of the features of the On2 VP6 File Encoder, plus live Flash Video streaming with Adobe Flash Media Server™ or equivalent. Supports simultaneous archive to multiple formats during live On2 VP6 streaming.

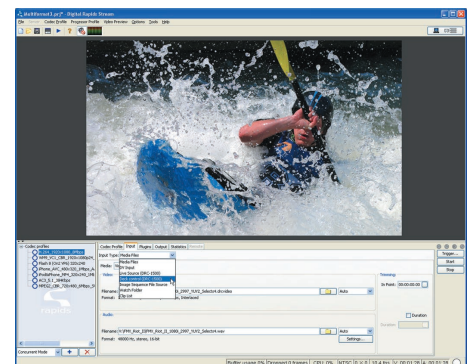
AC-3 Audio Encoder

Two optional modules support the encoding of audio in the AC-3 (Dolby® Digital) format. These modules are powered by the SurCode codec from Minnetonka Audio Software.

- **AC-3 Surround** — supports AC-3 encoding of 5.1 surround sound or stereo audio
- **AC-3 Stereo** — supports AC-3 encoding of stereo audio

Thomson MP3 Encoder

This option enables stereo and multi-channel surround encoding to MP3 audio files.



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