

# Codec Plugin for DaVinci Resolve Studio

Extended set of ready-to-use project render profiles, all in one place

Now, you can render project timelines from DaVinci Resolve Studio into the same professional camera format video content was recorded in, including Sony, Panasonic and others, using the first codec plugin approved by Blackmagic Design. With the MainConcept Codec Plugin for DaVinci Resolve Studio, the complete production chain—from filming, capturing and editing to playout—can remain in the same broadcast format.

Gone are the days of moving between different applications to finalize and deliver content. With direct integration into the DaVinci Resolve Studio user interface, editors maintain a seamless experience throughout their project workflow. And, they reap the benefit of new encoding formats and up to 20% faster encoding when compared to open-source encoders.<sup>(1)</sup>

## AS-11 DPP FILE FORMAT FOR UK SPEC COMPLIANT PROGRAMME DELIVERY

The MainConcept Codec Plugin for DaVinci Resolve Studio enables AS11 UK DPP SD (MPEG-2) and HD (AVC/H.264) project rendering direct from the DaVinci Resolve Studio timeline—eliminating the need for redundant applications. The included XML metadata template file can be modified to set all descriptive metadata required to create AS-11 UK DPP compliant content.

## GENERIC HEVC AND AVC RENDER PROFILES

The plugin also allows native access to HEVC and AVC profiles, making use of MainConcept's industry-leading HEVC/H.265 and AVC/H.264 software video encoders. These generic render presets provide encoding up to 8K resolution and 10-bit 4:2:2 to satisfy the needs of most broadcast and OTT use cases.

The latest version now comes with GPU-accelerated HEVC/H.265 encoding modes on supported NVIDIA RTX and Quadro boards with Ampere or Turing architecture that significantly increase performance while providing a similar quality as the MainConcept software encoder, so there is no need to sacrifice performance over quality anymore.

## BLU-RAY DISC AND DVD COMPLIANT CONTENT FOR COMMON AUTHORING TOOLS

The plugin offers preset groups that are not natively available in DaVinci Resolve Studio, including render profiles for Blu-ray Disc UHD, Blu-ray Disc and DVD. Create streams that are compliant with common verifiers and authoring tools. All presets can render projects as either multiplexed or as separate audio and video elementary streams.

## OPERATING SYSTEM

- Microsoft Windows 10 (64-bit)
- Apple Intel macOS 10.14.6 (Mojave), Apple M1 macOS 11 (Big Sur) or newer (64-bit)
- Linux RedHat, CentOS 7.4 (64-bit)
- Blackmagic Design DaVinci Resolve Studio 17 or newer

## RENDER PROJECT TIMELINES FROM DAVINCI RESOLVE STUDIO

### FAST

Encode in HEVC up to 20% faster than open source <sup>(1)</sup>

### EFFICIENT

Experience a seamless workflow in DaVinci Resolve Studio

### RELIABLE

First plugin for DaVinci Resolve Studio approved by Blackmagic Design

### KEY FEATURES

- Use generic HEVC/H.265 and AVC/H.264 8-bit and 10-bit presets
- Create compliant AS-11 UK DPP content using ready-to-use SD and HD presets, including metadata processing and XML sidecar file generation
- Render project files into popular camera formats including Sony and Panasonic
- GPU-accelerated encoding modes on NVIDIA RTX boards for significantly increased performance without sacrificing quality

<sup>(1)</sup> Source: Moscow State University 4K codec performance comparison

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## AVAILABLE FORMATS AND PRESET GROUPS

### MainConcept MXF (AS-11):

- AS-11 UK DPP SD, HD

### MainConcept MP4 (HEVC):

- HEVC 8-bit, 10-bit

### MainConcept MP4:

- Sony XDCAM EX
- Sony XAVC-S

### MainConcept MXF:

- Panasonic P2 AVC-Intra
- Panasonic P2 AVC LongG
- Panasonic P2 DVCPRO
- RP2027 AVC-Intra
- Sony XAVC Long GOP
- Sony XAVC Intra
- Sony XDCAM HD
- Sony XDCAM IMX

### MainConcept DVD:

- DVD (MPEG-2)

### MainConcept Blu-ray Disc:

- Blu-Ray, Blu-Ray UHD

### MainConcept MP4 (H.264)

- H.264 8-bit, 10-bit

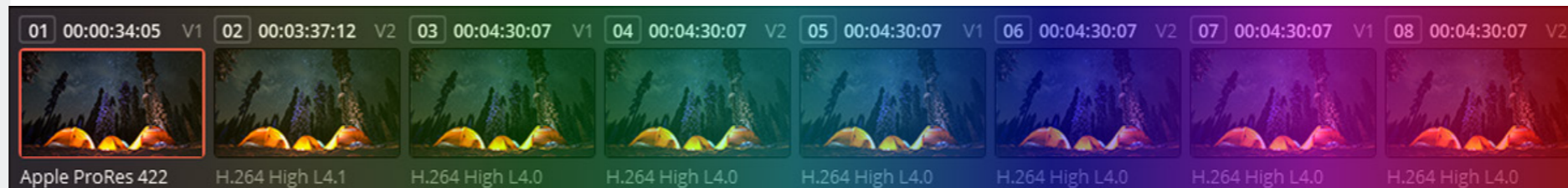


## ABOUT MAINCONCEPT

MainConcept provides audio and video codec solutions that fuel creativity and business across the globe—from professional video production, multimedia, broadcast, digital signage, and gaming to the medical and security verticals. Our software development kits, transcoding applications and plugins deliver the simplicity you need with the customer experience you deserve. Since 1993, MainConcept codecs have been used by hundreds of organizations including Adobe, Autodesk, Corel, Dalet, Encoding.com, Endeavor Streaming, Grass Valley, Intel, MAGIX, Nikon, PlayBox Neo, Soliton and Wowza. For more information, visit [www.mainconcept.com](http://www.mainconcept.com).

## ABOUT BLACKMAGIC DESIGN DAVINCI RESOLVE STUDIO

Blackmagic Design DaVinci Resolve Studio is a professional cross-platform video editing software suite featuring high-end effects and color-grading features, unifying the entire post-production process into a single product. Together with the MainConcept Codec Plugin, broadcast and film production can reach new heights in speed, efficiency, reliability and creativity.



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## MORE INFORMATION

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