

# MAINCONCEPT HYBRID HEVC ENCODER PLUGIN FOR FFMPEG

Bandwidth-Friendly Encoding with Simple Integration

The MainConcept Hybrid HEVC Encoder Plugin for FFmpeg gives you a simple way to integrate HEVC into the FFmpeg framework so you can benefit from the advanced efficiency and performance of MainConcept's HEVC implementation.

Suitable for both VOD and live production workflows, the MainConcept Hybrid HEVC Encoder Plugin for FFmpeg comes equipped with powerful features you won't get from open-source encoders, including 8K/60fps video encoding and advanced GPU acceleration to maximize video encoding performance on standard server hardware, saving time and money.

## EFFICIENCY THAT MATTERS

MainConcept focuses on bringing you impactful efficiency gains. In recent MSU testing, MainConcept was the clear champion proving 20% more efficient than open source and that it uses up to 30% less bandwidth for live encoding—saving hardware costs and allowing more live streams per server.

## PERFORMANCE TO FUEL INNOVATION

The MainConcept Hybrid HEVC Encoder Plugin for FFmpeg gives you advanced options you can use to increase performance, including:

- Hybrid & Driven GPU-accelerated encoding modes on NVIDIA RTX boards for significantly increased performance
- Hardware encoding powered by Intel Quick Sync Video (IQSV) and NVIDIA NVENC

## ENCODING SETTINGS, PRESETS AND SUPPORT FOR SUPERIOR QUALITY

MainConcept gives you 2-pass encoding support for enhanced quality in file-based workflows. You can pass encoding parameters via the FFmpeg command-line or employ ready-to-use MainConcept config files that come complete with pre-configured encoding profiles up to 4K for OTT content creation, MPEG-DASH & Apple HLS. In addition, the plugin supports Main and Main 10, 4:2:0 and 4:2:2.



MainConcept HEVC/H.265 also comes in a [full-featured SDK](#).

## OPERATING SYSTEM

- Microsoft Windows 8, Windows 10 (64-bit, x86)
- Linux x86 Ubuntu 16.04 LTS, CentOS 7.4 glibc 2.17 (64-bit)
- Linux ARM Ubuntu 18.04 glibc 2.27, Ubuntu 20.04 glibc 2.31, CentOS 8 glibc 2.28 (64-bit)

## 20% MORE EFFICIENT THAN OPEN SOURCE<sup>1</sup>

### EASY TO INTEGRATE

A simple plugin approach brings MainConcept® encoders into your new or existing FFmpeg environment

### BETTER PERFORMANCE THAN OPEN SOURCE

MainConcept is proven to outperform open-source codecs, with familiar FFmpeg libraries and toolsets

### ADVANCED FEATURES

Gain access to ready-to-use presets, and more

### KEY FEATURES

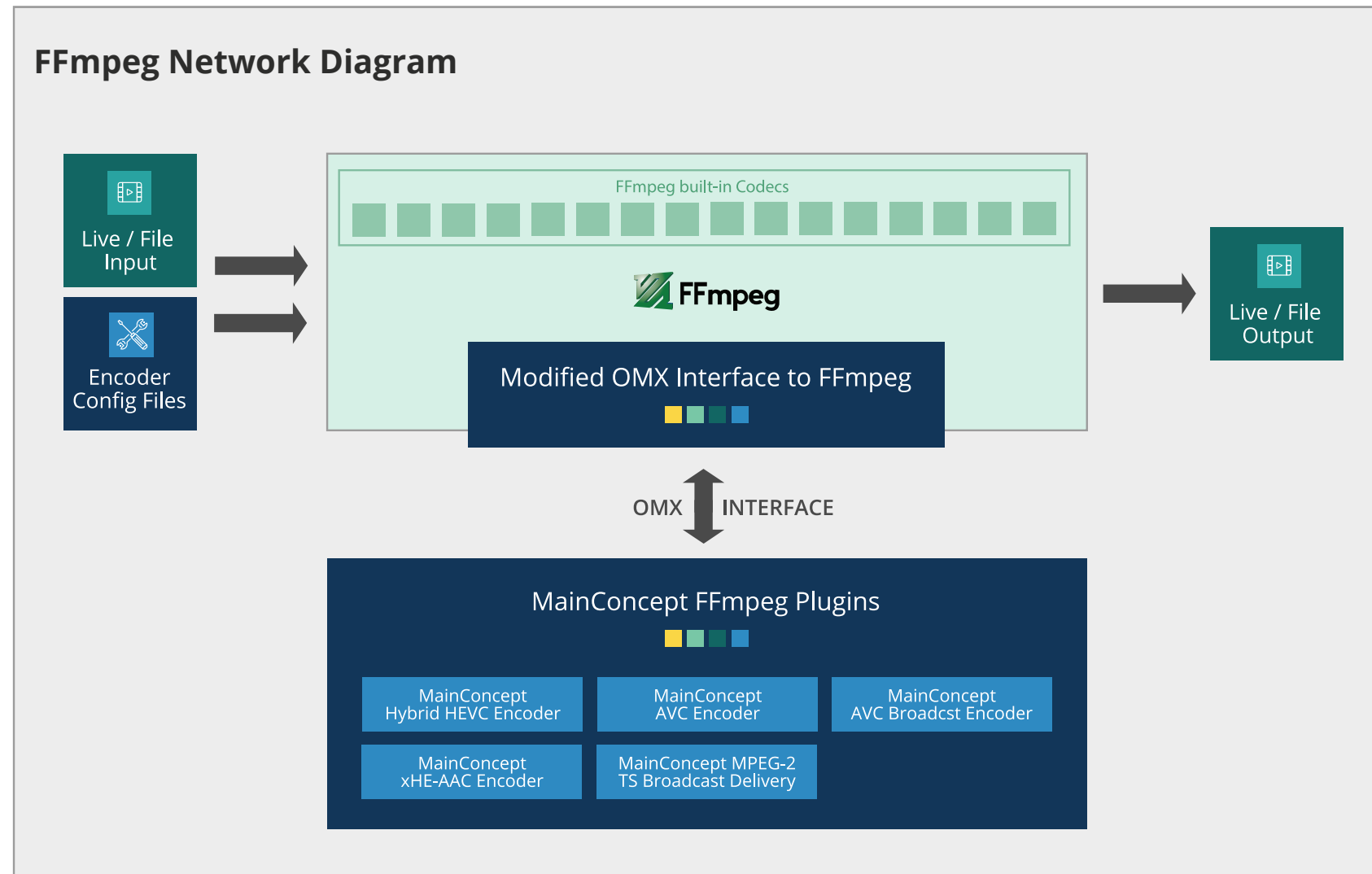
- 2.5x encoding performance increase with Hybrid GPU acceleration<sup>2</sup>
- 4:2:2 10-bit chroma support for professional video encoding
- 8K60 Hybrid GPU accelerated 10-bit video encoding

### OPTIMIZE WITH MAINCONCEPT PROFESSIONAL SERVICES

(1) Source: Moscow State University 4K codec performance comparison.  
(2) Compared to MainConcept HEVC encoder without hybrid GPU acceleration

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## MAINCONCEPT FFMPEG PLUGINS

The MainConcept FFmpeg Plugins are a highly flexible product line to use the industry-leading MainConcept libraries seamlessly in FFmpeg-based use-cases and environments. The simple plugin approach for fast integration into FFmpeg leads to quick results without the need to change your workflow. Full parameter control of the MainConcept SDK libraries in combination with FFmpeg's built-in components brings world-class video and audio quality to your solution or service. MainConcept FFmpeg Plugins are free to try and easy to integrate into your workflow.

## 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 and Soliton. For more information, visit [www.mainconcept.com](http://www.mainconcept.com).

### CONTACT

info@mainconcept.com

### MORE INFORMATION

[www.mainconcept.com/ffmpeg](http://www.mainconcept.com/ffmpeg)

### MAINCONCEPT GMBH

Elisabethstr. 1  
52062 Aachen, Germany

### MAINCONCEPT LLC

16767 Bernardo Ctr. #27970  
San Diego, CA 92198, USA

### MAINCONCEPT JAPAN

Building 2, Nippo Shin-Osaka  
1-8-33 Nishimiyahara, Yodogawa-ku, Osaka 532-0004, Japan