

# MainConcept AVC Encoder Plugin for FFmpeg

Performant, Reliable Encoding with Simple Integration

AVC is one of—if not *the*—most used formats in the production and distribution of video content.

## THE BEST OF BOTH WORLDS: MAINCONCEPT AND FFMPEG

Widely recognized as the premier provider of professional video codecs, MainConcept developed its line of FFmpeg Plugins so users of the popular FFmpeg open-source software could benefit from MainConcept's highly performant encoders with a simple plugin approach for fast integration. The MainConcept AVC Encoder Plugin for FFmpeg comes packed with features ideally suited for Video on Demand (VOD) and live Over the Top (OTT) production workflows.

## LOW-BITRATE ENCODING WITH SUPERIOR QUALITY AND SPEED

The MainConcept AVC Encoding Plugin for FFmpeg is optimized for low-bitrate encoding with superior quality and speed with options for hardware encoding and 2-pass encoding as well as ready-to-use presets for OTT content creation, MPEG-DASH & Apple HLS

## HARDWARE ENCODING OPTIONS: THE CHOICE IS YOURS TO MAKE

With the MainConcept AVC Encoder Plugin, you have the option to use hardware encoding powered by Intel Quick Sync Video (IQSV) or the new encoding option supporting NVIDIA NVENC AVC. Whichever you choose, you can relax knowing that MainConcept has thoroughly tested both options to ensure you get the customer experience you deserve.

## ENCODING SETTINGS & 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 all available codec settings.



*The MainConcept AVC Encoder also comes as part of the full-featured [AVC/H.264 Encoder 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)

## MORE EFFICIENT ENCODING THAN X264\*

### EASY TO INTEGRATE

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

### COMPLETE AAC PORTFOLIO COVERAGE

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

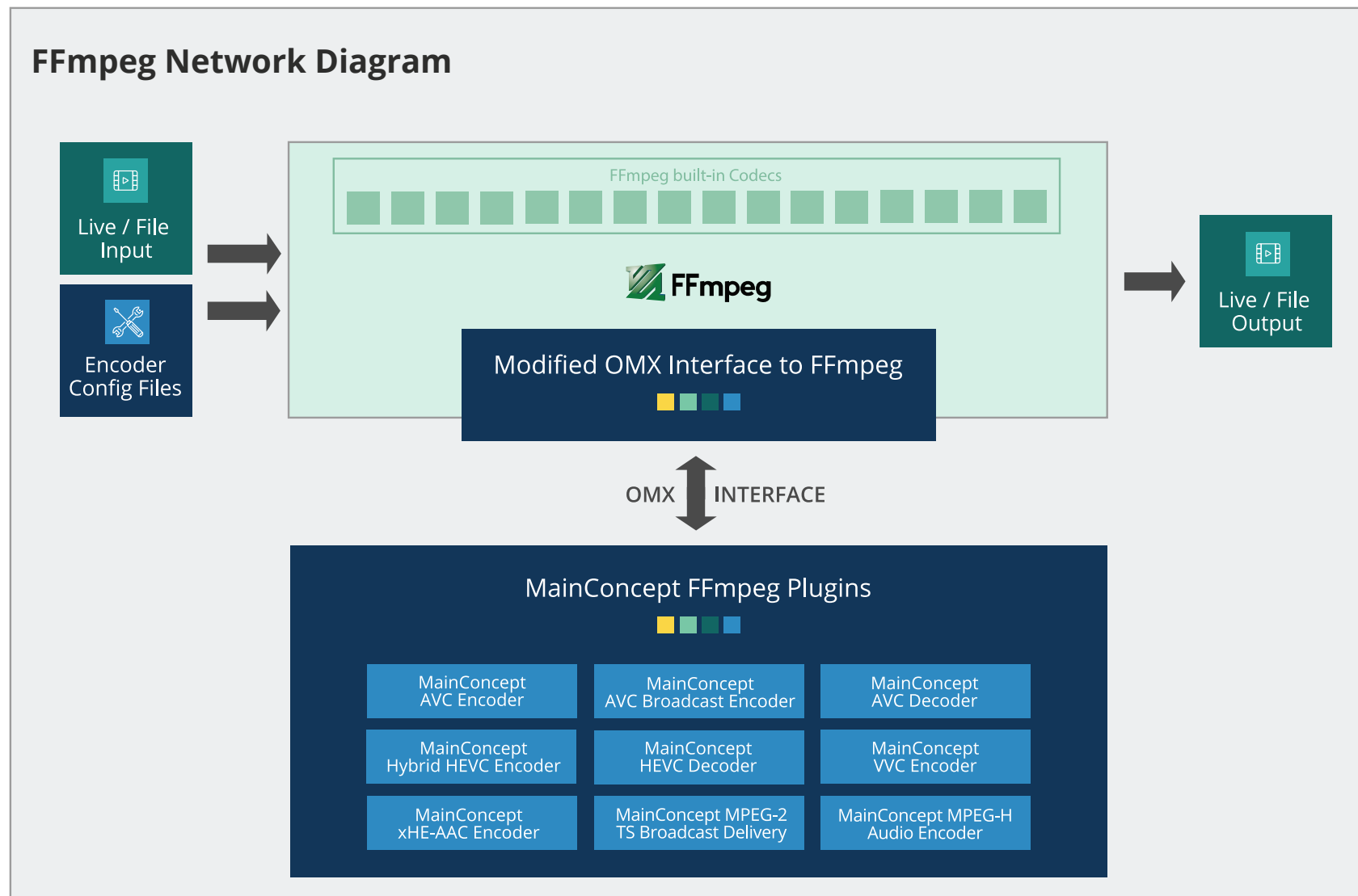
- Hardware AVC encoding powered by NVIDIA NVENC & Intel Quick Sync Video
- Ready-to-use presets for DASH-264 and Apple HLS-AVC
- Optimized for low-bitrate encoding with superior quality and speed

### OPTIMIZE WITH MAINCONCEPT PROFESSIONAL SERVICES

\* According to recent encoder test data comparing MainConcept AVC against x264 for a specific use case

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## MAINCONCEPT FFMPEG PLUGINS

The MainConcept FFmpeg Plugins are a highly flexible product line that enable you 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

Since 1993, MainConcept has provided best-of-breed video/audio codec solutions that fuel creativity and business globally for professional video production, multimedia, broadcast, digital signage, gaming, medical and security industries. Our software development kits, transcoding applications and plugins are used across industry verticals to meet an ever-expanding list of use cases. With world-class engineering, exquisite attention to detail, and best-in-class support and professional services, we are constantly innovating to deliver you the simplicity you need with the customer experience you deserve. MainConcept codecs are engineered to surpass the challenges of even the most demanding use cases and are used by organizations such as Adobe, AVID, Autodesk, Corel, Dalet, Endeavor Streaming, Globo, Grass Valley, Intel, MAGIX, Nikon, PlayBox, Soliton, Sony, Telestream, V-Nova and Wowza. For more information, visit [www.mainconcept.com](http://www.mainconcept.com).

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### MORE INFORMATION

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