

MainConcept MPEG-2 Production Format Encoder

Professional Sony XDCAM Encoding Ideal for Production Workflows

MainConcept has made it simple to integrate MPEG-1 and MPEG 2 encoding support for up to 4:2:2 10-bit into the FFmpeg framework with a plugin. This plugin includes the MainConcept MXF Multiplexer to create Sony XDCAM compliant content. It also works directly with FFmpeg's built-in multiplexers like MP4 and MXF and brings a bevy of features that enable professional production workflows.

PRE-CONFIGURED ENCODING PROFILES

The MainConcept plugin provides pre-configured encoding profiles, including file format creation using the MainConcept MXF Multiplexer, for professional Sony camera content creation such as:

- Sony XDCAM HD
- Sony XDCAM IMX
- Video Encoder profiles for Sony XDCAM EX

It also includes ready-to-use encoder presets for broadcast delivery like DVB, ATSC and CableLabs, for optical media like DVD and Blu-ray as well as many more ready-to-use MPEG-1 and MPEG-2 encoding profiles.

OPTIMIZED FOR HIGH SCALABILITY

The MPEG-2 Encoder Production Format plugin allows processing of many streams simultaneously on multi-core and NUMA-based systems regardless whether you run it on-premise, in the cloud or in hybrid environments. The sophisticated CPU utilization provides highest performance while offering broadcast proven quality. The granular control over the encoder can be done via the FFmpeg command-line or a MainConcept Config file.



The MainConcept MPEG-2 Production Format Encoder also comes as part of the full-featured [MPEG-2 Encoder SDK](#).

OPERATING SYSTEM

- Microsoft Windows 10, Windows 11 (64-bit)
- 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)
- Works with FFmpeg 4.4 (Rao), FFmpeg 6.0 (Von Neumann) or FFmpeg 7.0 (Dijkstra)

THE CODEC FOR RELIABLE WORKFLOW FORMATS EXPERIENCE

EASY TO INTEGRATE

Simple plugin approach to bring MainConcept encoders into your new or existing FFmpeg 4.4 (Rao), 6.0 (Von Neumann) or 7.0 (Dijkstra) environment

BROADCAST PROVEN QUALITY & PERFORMANCE

Full-featured encoder meeting the highest broadcast quality standards with unprecedented reliability and speed

INTEGRATED MXF MUXING

Gain access to the MainConcept MXF Multiplexer to create Sony XDCAM HD and IMX compliant content as well as other MXF formats

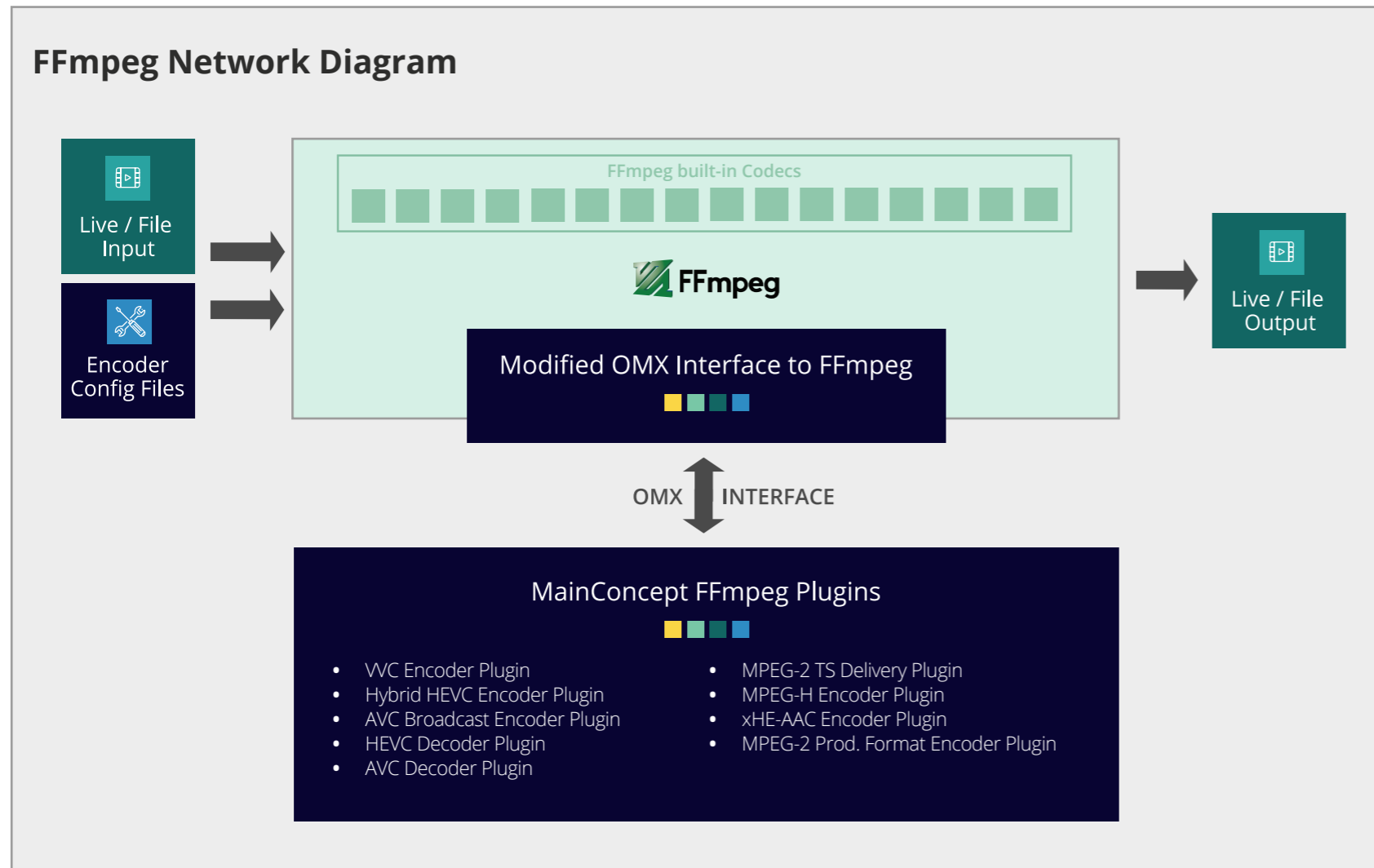
KEY FEATURES

- MPEG-1 and MPEG-2 encoding support for up to 4:2:2 10-bit
- Pre-configured encoding and multiplexer profiles for professional Sony XDCAM camcorder content creation
- Proper interlaced encoding support
- Set timecode for Sony XDCAM HD output
- 2-pass encoding for enhanced quality

OPTIMIZE WITH MAINCONCEPT PROFESSIONAL SERVICES

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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.

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MORE INFORMATION

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