

MainConcept Dolby Digital Plugins for FFmpeg

The only Dolby approved AC-3 and E-AC-3 audio plugins for FFmpeg

The MainConcept FFmpeg Plugins enable users to create highly flexible decoding, encoding and transcoding workflows or services based on FFmpeg. The plugins can be deployed using on-premise servers, in the cloud or with hybrid solutions to significantly boost both performance and quality of your audio as well as video content.

DOLBY DIGITAL AUDIO FOR PROFESSIONAL USE CASES

The Dolby Digital Plugins allows content producers and broadcasters to process the renowned Dolby Digital (AC-3) and Dolby Digital Plus (E-AC-3) audio technologies natively within an FFmpeg workflow or service. The MainConcept Dolby Digital Plugins are the only Dolby approved and certified products that can be deployed within FFmpeg. Built from the MainConcept Dolby Digital Plus Pro SDK, the plugins are available as an encoder or decoder version.

FIRST CLASS AUDIO FOR TV BROADCAST AND OTT

Dolby's AC-3 and E-AC-3 surround technology delivers high-quality digital audio for up to 7.1 discrete channels. Offering significantly better quality in comparison to a similar bitrate when using other Dolby Digital technologies, it is the de facto standard for HDTV broadcast channels, IPTV solutions and AV systems as well as for satellite, cable and terrestrial content delivery. Dolby Digital audio is an officially recommended codec for ABR (Adaptive Bit Rate) streaming formats like Apple HLS and MPEG-DASH.

CHOOSE THE BEST FROM MAINCONCEPT & FFmpeg

The easy-to-integrate FFmpeg Plugins enable both AC-3 and E-AC-3 audio stream content creation or playback. They seamlessly integrate with other MainConcept Video Encoder, Multiplexer or Decoder Plugins for FFmpeg, plus FFmpeg's built-in components.

OPERATING SYSTEM

- Microsoft Windows 10, Windows 11 (64-bit)
- Linux x86 Ubuntu 20.04 LTS glibc 2.31, Rocky Linux 8 glibc 2.28 (64-bit)
- Works with FFmpeg 4.4 (Rao), FFmpeg 6.0 (Von Neumann) or FFmpeg 7.0 (Dijkstra)

DELIVER AN IMMERSIVE AND PERSONALIZED AUDIO EXPERIENCE

EASY TO INTEGRATE

A simple plugin approach brings Dolby Digital's AC-3 and E-AC-3 audio software encoder and decoder into new or existing FFmpeg 4.4 (Rao), 6.0 (Von Neumann) or 7.0 (Dijkstra) environments

DOLBY APPROVED FFmpeg AUDIO PLUGINS

The MainConcept Dolby Digital Plugins are the first officially approved and Dolby-certified plugins for FFmpeg workflows and usage

OTT & BROADCAST FORMAT SUPPORT

Encoding and decoding for OTT-compliant streaming use cases like MPEG-DASH and HLS, but also for TV broadcasting

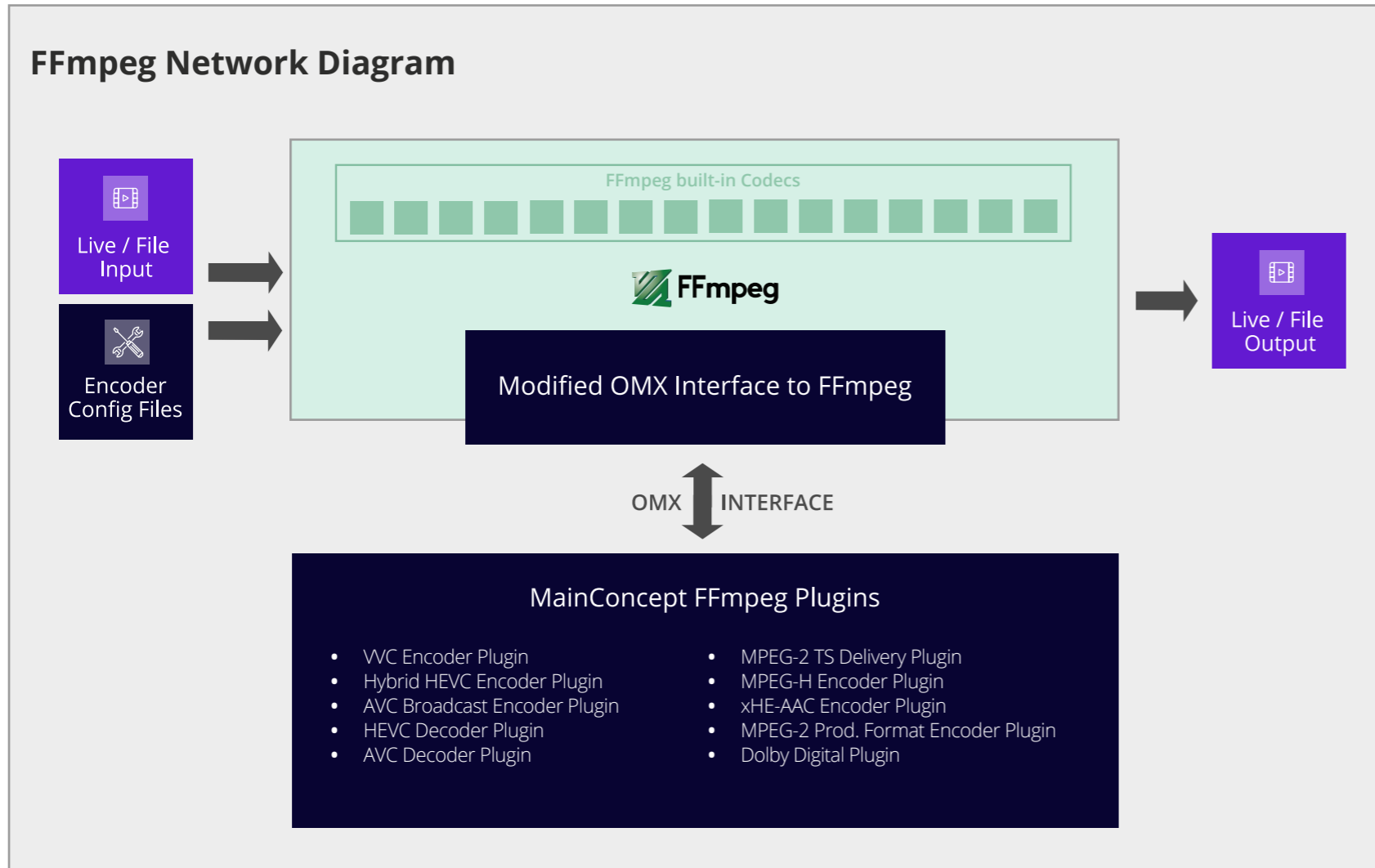
KEY FEATURES

- Encodes PCM audio streams to EAC-3 and AC-3 audio streams
- Decodes AC-3 and E-AC-3 audio streams
- Supports output bit rates from 0.032 to 6.144 Mbit/s
- Support for 32000, 44100 or 48000 Hz sample rate
- Supports up to eight audio channels
- Straightforward integration with MainConcept Plugins for FFmpeg plus FFmpeg's built-in components

OPTIMIZE WITH MAINCONCEPT PROFESSIONAL SERVICES

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MAINCONCEPT FFMPEG PLUGINS

The MainConcept FFmpeg Plugins are a highly flexible product line enabling 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.

CONTACT

info@mainconcept.com

MORE INFORMATION

www.mainconcept.com/ffmpeg-dolby

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