MXFTk

A POWERFUL AND EFFECTIVE MXF TOOLKIT

BOOST YOUR MXF WORKFLOW WITH A RELIABLE TOOLKIT

The OpenCube MXF Toolkit offers you all the tools you need for mastering MXF file formats with ease and efficiency, providing you with a cost-effective solution for streamlined file-based workflows.

MXFTk® is the result of intensive R&D and on-going compliance with SMPTE standards. Its many features enable you to create, view and manipulate MXF files, transport metadata and ensure media exchange interoperability.

MXFTk® has been widely adopted by major players in the digital video and film industries, including manufacturers, software companies, integrators, post-production houses and broadcasters.

KEY FEATURES

- **Genuine MXF interoperability with Cameras, NLE, Broadcast and D-Cinema servers**
- **Comprehensive and multi-platform SDK**
- **Fully HD enabled toolkit (AVC-Intra, XAVC Intra, H.264, XDCAMHD®, JPEG 2000, DNxHD®)**
- **AS-02, AS-03 and AS-11 UK (AMWA) support**

NEW WITH VERSION 2.8

- **ARD ZDF HDF v1.1 (AVC-Intra & XDCAM HD)**
- **AS-10 High HD shim**
- **JPEG 2000 IMF profiles**

ENSURE **INTEROPERABILITY** IN YOUR **WORKFLOW** WITH **MXF FILE FORMAT**

MXFTk OEM C++ SDK

The OpenCube MXF C++ Toolkit is a complete API that runs on Windows, Linux, Unix and Mac platforms. The software allows you to generate, manipulate and partially restore all MXF files, whatever their wrapped essence format.

MXFTk® manages all types of operational patterns (OP) and descriptive metadata. The OpenCube toolkit offers MXF-controlled support and guaranteed interoperability with almost all products currently on the market, saving you both time and trouble.

MXFTk Front-End

Front-End is a graphic application that offers the advanced function to create MXF files, add, modify and recover metadata and extract essence formats.

MXFTk Reader

MXFTk® Reader is the Direct Show filter that permits instant and trouble-free viewing of all types of MXF files in Windows Media Player or other applications.

MXFTK®

- Multi-platform C++ API: Windows, Mac (Intel – PowerPC), Linux, Unix (32-bit & 64-bit)
- Support for all Operational Pattern (OP) – from Op1a to Op3c, Op-Atom, Op1b ext. ref.
- AS-02, AS-03, AS-10 and AS-11 (with UK metadata) wrapping
- AMT (Avid Media Tookit) available for MXF Avid compliant file generation
- ARD ZDF HDF (AVC-Intra & XDCAM HD) wrapping
- IMF Application 2 support
- MXF AVC Proxy (AFN 100 & SMPTE RDD 25)
- MXF interoperability available with: XDCAM® (Opt. & SxS), P2 Op-Atom, P2 AVC-LongG, etc.
- Essences handled: D10/IMX 30, 40, 50, MPEG-2, MPEG-2 HD, MPEG-4, AVC-Intra 50/100/200, XAVC Intra HD/2K/4K, AVC /H.264, DVCam, DVCPro 25/50, DVCProHD, JPEG 2000, VC-3/DNxHD®, Uncompressed, BWF, Wave, Aiff, AES3, 8channels-AES3, AAC
- File mode and streaming mode
- Essence encryption
- DMS-1-XML interface management
- Metadata updating
- MXF ST436 VBI and ANC wrapping
- MXF partial restore (GOP accurate with LongGop essence)

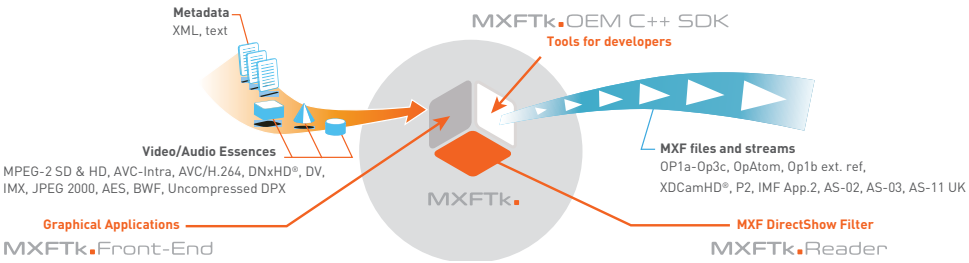
Delivered with C++ test programs and sample MXF files.
Technical team readily available to help you with integration.

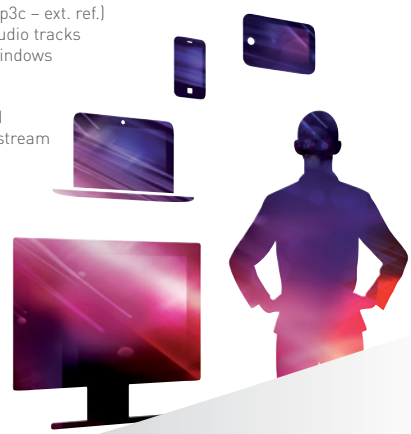
MXFTK® FRONT-END

- Support for all OP (Op1a – Op3c – ext. ref.)
- DMS-1-XML interface management
- Metadata add-ons, retrieval and modification
- Metadata export in XML format
- MXF Partial Restore
- IMF: compatible MXF file and package generation

MXFTK® READER (DIRECT SHOW FILTER)

- Support for all OP (Op1a – Op3c – ext. ref.)
- Advanced management of audio tracks
- Right-click information in Windows
- Accurate Timecode display
- Real-time play back
- Fast forward and fast rewind support on MPEG LongGop stream
- Windows 32-bit and 64-bit





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