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Datasheet

MXF Analyser

MXF ANALYSER

MXF Analyser

- In-depth analysis of MXF files
- Configurable validation rules
- Easy integration into your workflows

The Material Exchange Format (MXF) is a file format for audio-visual material, standardised by SMPTE. Due to its flexibility, extensibility and the tight integration of essence and metadata, MXF is the file format of choice for the interchange and storage of finished or "almost finished" audio-visual material and associated metadata.

MXF Analyser is a market-leading software solution for MXF file analysis. MXF Analyser examines and validates conformance to the MXF SMPTE standards, and conformance to certain application parameters, such as operational pattern, essence container constraints, and payload formats. Analysis results are delivered in an intuitive user interface, and in machine-readable reports.

Products supporting MXF are essential for A/V content exchange, and for interoperability between components and applications in IT-based production facilities. It is vitally important to ensure that products implementing MXF do comply with the relevant specifications, and to perform operational validation of incoming MXF files.

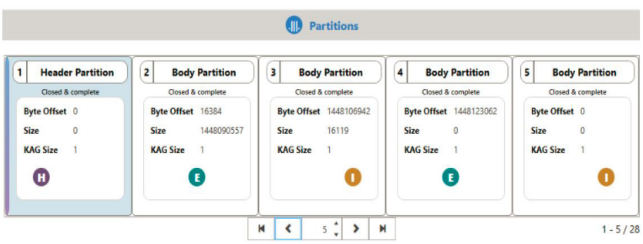
MXF Analyser supports configurable validation rules and profiles, and can easily be integrated into your workflows.

Key Features

- Application Specifications support configurable validation rules for specific user requirements and profiles, such as RDD-9, AS-11, AS-10, ARD/ZDF
- Application Specifications support user-specific reclassification of errors
- Web service interfaces for integration in service oriented architectures (SOA)
- Automatic validation of incoming MXF files performed based on the Watch Folder concept
- High performance (up to approx. 16x real-time)
- Intuitive graphical user interface

Scope of Analysis

- KLV (SMPTE 336M)
- Partition Multiplex
- Header Metadata structure
- Essence containers - values of header metadata properties that relate to essence containers (MXF structural metadata), file structure (e.g. operational pattern) or are defined in SMPTE registries (i.e. RP224)



Supported Essence Types

- DNxHD
- AVC-LongGOP (AVC-Proxy, XAVC, AVC-Ultra)
- AAC-AudioIMX/D10
- DV/DIF (IEC 61834 and SMPTE 314M)
- MPEG-2 video and audio
- PCM audio
- JPEG 2000
- MPEG 4/AVC
- Apple ProRes

Results Presentation

Traffic light representation of analysis result

= pass with respect to MXF standard
= fail with respect to MXF standard
= standard recommendation not followed
= detailed information available

Detailed analysis results representing the metadata and file multiplex structure, including index tables (formatted according to SMPTE 434)

Platform Requirements

- Windows 10, Windows 8.1, Windows 7
- Windows Server 2016, Windows Server 2012 R2
- 64-bit architecture
- Minimum quad core processor (x86-based, 2 GHz)
- Minimum 8 GB RAM

About Eurofins Digital Testing

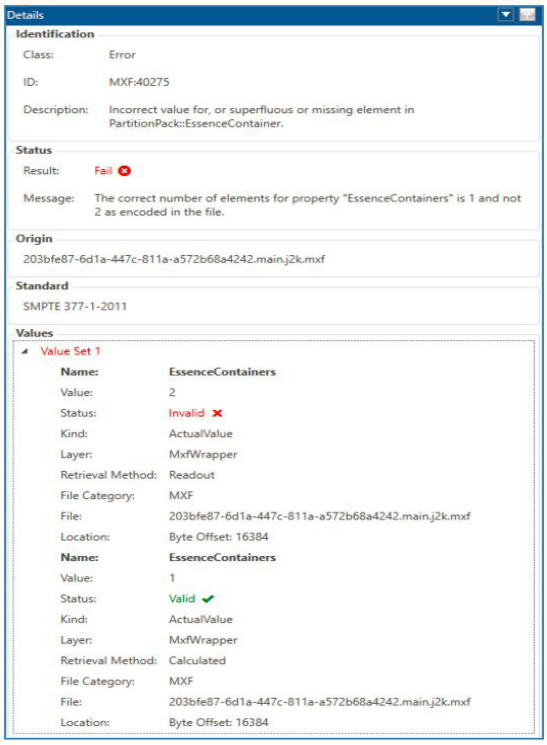
Eurofins Digital Testing, and its division Eurofins Cyber Security, is a global leader in independent Quality Assurance, (QA), testing and cyber security for software systems and devices with operations in Belgium, Hong Kong, the Netherlands, Sweden, the UK and the USA. We help businesses in mediatech, fintech, energy, governmental and the other industries assure quality in their digital transformations towards Industry 4.0.

We are a trusted provider in a broad spectrum of quality solutions covering:

- Managed test services & augmented test resourcing
- Industry recognized advisory & training, including Eurofins Academy
- Lab-based testing services & infrastructure
- Test automation & Conformance testing services & tools
- Comprehensive cyber security services & tools

Eurofins Digital Testing is part of Eurofins Scientific, which has more than 800 laboratories in 47 countries and around 45,000 employees worldwide. Founded in 1987, Eurofins is highly regarded in testing, with a level of expertise that makes it the first call for businesses around the world.

Eurofins Digital Testing: Your trusted partner in quality



IMF and MXF Analysis Solutions from Eurofins Digital Testing are based on IRT's MXF and IMF Analyser ©Institut fur Rundfunktechnik GmbH, www.irt.de

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