

# What's new in MediaConch (and MediaInfo)

Implementation and policy checker



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# What is MediaConch?

Implementation and policy checker, reporter

Check by file upload | Check online files | Check server files

Policy: Choose a policy | Display: MediaConch Html | Verbosity: Default level

[Check files](#)

## Results

× Close all results

Apply a policy to all results: Choose a new policy to apply

Show 10 entries | Search:

Files	Implem	Policy	MediaInfo	MediaTrace	Status
ffv1_test_pixfmt-yuv444p10le...	✓ Valid	✗ Matroska is well described?	👁️ ⬇️	👁️ ⬇️	✓
ffv1_test_pixfmt-yuva422p_co...	✓ Valid	✗ Matroska is well described?	👁️ ⬇️	👁️ ⬇️	✓
ffv1_test_pixfmt-yuva444p_co...	👁️ ⬇️	👁️ ⬇️	👁️ ⬇️	👁️ ⬇️	🔄 🗑️
veraPDF test suite 6-1-10-t0...	✗ Not valid	✗ Matroska is well described?	👁️ ⬇️	👁️ ⬇️	✓
train1.tif	✗ Not valid	✗ Matroska is well described?	👁️ ⬇️	👁️ ⬇️	✓
buggy_header.pdf	✗ Not valid	✗ Matroska is well described?	👁️ ⬇️	👁️ ⬇️	✓

Showing 11 to 16 of 16 entries

Previous | 1 | 2 | Next



# The past

- Started in 2015 with European Union funding.
- Initial focus was on open source formats (MKV/FFV1/PCM).
- Other companies selected for PDF and TIFF.
- Also the start of IETF Working Group for MKV/FFV1/FLAC standardization.
- Also the start of NTTW.



# MediaConch latest developments (2023)

- Different levels of logging (error/warning/info)
- Fully online version (no file upload) for embedding in your website
- Better support of several audio tracks ("all" or "any" policy rules)
- xHE-AAC/USAC full implementation checker
- Superfast option: parsing only the header



# MediaInfo latest developments (2023)

Focus on MPEG-7 output:

- Support of collections (for DVD Video)
- 3 modes (strict, relaxed\*, extended\*)
- More sub-termIDs (AudioPresentationCS)
- More PublicIdentifiers
- More sub-termIDs (MP4, WAV, AVC, ProRes)

\* Not always standard...

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# MediaInfo latest developments (2023)

Others:

- ISO 9660 native support (focused on DVD Video)
- More HDR formats (SMPTE ST 2094-10, HDR Vivid, ...)
- Time code in MKV, AVC & HEVC
- Extract of all time codes from a file, XML format (currently only for for MXF)
- APT-X100 a.k.a. Cinema DTS
- N19/STL & WebVTT: more details (start/end timestamp, max count of lines, total count of lines, ...)
- S-ADM in MGA in MXF, AAC in MXF



# Not only about software (2023)

Dedicated webpage for MediaInfo field names

Mapping to MPEG-7/PBCore/EBUCore and comparison of  
theses output formats

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MediaInfo	Description	MPEG-7	EBUCore 1.8	PBCore 2.0
<b>General</b>				
<b>Video</b>				
StreamOrder	Stream order in the file for type of stream. Counting starts at 0			
ID	The identification number for this stream in this file		videoTrack@trackId	essenceTrackIdentifier
OriginalSourceMedium_ID	Identification for this stream in the original medium of the material			
UniqueID	The unique ID for this stream, should be copied with stream copy			
MenuID	The menu ID for this stream in this file			
Format	Format used	Format	videoFormat@videoFormatName, videoEncoding@typeLabel	essenceTrackEncoding
Format_Commercial_IfAny	Commercial name used by vendor for these settings, if available			
Format_Version	Version for the identified format	Format	videoFormat@@videoFormatVersionId, videoEncoding@typeLabel	essenceTrackEncoding@version
Format_Profile	Profile of the Format	Format	videoEncoding@typeLabel	
Format_Level	Level of the Format	Format	videoEncoding@typeLabel	



# Current developments (2024)

- Comparison operations between properties across tracks
- ADM full implementation checker
- MXF partial implementation & policy checker focused on issues from broadcasters
- Check of MXF & MKV time code discontinuities
- SMPTE ST 436 VBI parsing for catching VITC & Line 21
- More options for probing caption presence in MXF
- Report of MediaConch errors also in MediaInfo





# And beyond?

- It depends on you.
- What are your needs?



# Stay in touch

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Slides: <https://mediaarea.net/Events>

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