



PlayQC MASTER REPORT

FILE: Test.mxf

CONTAINER CHECKS

General

Format : MXF
Format profile : OP-1a
File size : 968 MB
Duration : 2 min 34 s
Overall bit rate : 52.6 Mb/s
Frame rate : 25.000 FPS
Timecode First : 00:00:00:00
Timecode Last : 00:02:34:05
Audio streams : 2
Drop Frame : Non-Drop

Video

Format : MPEG Video
Format version : 2
Commercial name : XDCAM HD422
Format profile : 4:2:2@High
Format settings : CustomMatrix / BVOP
Wrapping mode : Frame
Bit rate : 50.0 Mb/s
Width : 1920 px
Height : 1080 px
Pixel aspect : 1.000
Display aspect : 16:9
Frame rate : 25.000 FPS
Color space : YUV
Chroma subsamp : 4:2:2
Bit depth : 8 bits
Scan type : Progressive
Field order : N/A
Compression : Lossy
Color range : Limited
Color gamut : BT.709
Gamma / PQ curve : BT.709
Matrix coeffs (The RGB-to-YUV) : BT.709

Editorial & Sync

Lead-in / Pre-roll : Not Detected
Lead-out / Post-roll : Not Detected
A/V Duration Mismatch : **Pass**
A/V Synchronization : **Pass**
Test Pattern : **Pass (None detected)**
Logo/Watermark : **Pass (Static)**

Audio #1

Format : PCM
Bit rate mode : CBR
Bit rate : 1.2 Mb/s
Channel(s) : 1 ch
Sampling rate : 48000 Hz
Bit depth : 24 bits
Endianness : Little
Audio Block : N/A

Audio #2

Format : PCM
Bit rate mode : CBR
Bit rate : 1.2 Mb/s
Channel(s) : 1 ch
Sampling rate : 48000 Hz
Bit depth : 24 bits
Endianness : Little
Audio Block : N/A



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VIDEO CHECKS

Signal Integrity & Baseband

Black frames	: Fail (1)
Chroma change	: Fail (Sudden Chroma Shifts)
Chroma Lines (Horizontal Tearing)	: Pass (None detected)
Color gamut	: Fail (154 OOB)
Composite signal level	: Max 255 (Approx 109.1 IRE)
Defective pixels	: Pass (Static)
Frame jumps	: Pass
Freeze	: Pass
Image presence	: Pass
Luma Lines (Horizontal Tearing)	: Fail (6 anomalies)
Syntax Errors	: Pass
Video dropouts	: Pass
White frames	: Pass

Compression & Artifacts

Aliasing	: Warning (140.4)
Blockiness	: Pass (0.00)
Blockiness / Macroblocking	: Pass
Color Banding	: Pass (1.27 Ratio)
Compression score	: Score: 85 / 100
Digital ghosting	: Pass
Ghosting artifact	: Pass
Moiré pattern	: Warning (140.4)
Mosquito noise	: Pass (0.00)
Pattern noise	: Pass (None detected)
Pixelation	: Pass (0.00)
Pulsing noise	: Pass
Quantization parameter	: Est. QP: 10 / 51
Repetitive pattern detection	: Pass (None detected)
Ringing artifact	: Pass
Sawtooth artifact	: Warning (128.3)
Scratch artifact	: Fail (Vertical Scratches)
Sensor Noise / Grain	: Pass (2.70 Avg)
Soft Focus / Blurriness	: Pass (0.00)
Solarization	: Pass
Spectral aliasing detection	: Warning (140.4)
Video noise	: Pass (2.70 Avg)

Reference Scales (Legal White / Black)

10-bit Limited (Broadcast)	: 940 / 64
8-bit Limited (Rec.709)	: 235 / 16

Formatting & Cadence

AFD	: Not Present
Blanking Bot	: Pass (0px)
Blanking L	: Pass (0px)
Blanking R	: Pass (0px)
Blanking Top	: Pass (0px)
Deep Field Scan	: Progressive
Field Dominance	: Pass
Halfline blanking	: Pass
Interlacing artefacts	: Fail (2)
Letter Box	: Detected Letter Box (2.35:1)
Progressive seg. frame (PsF)	: Pass
Pulldown judder	: Progressive
Telecine/ cadence analysis	: Progressive
VBI Lines detection	: Pass

Editorial & Content (AI/OCR)

Action Safe Area	: Pass (Compliant)
Burnt-in text detection	: Pass (Clean)
Constant Colour	: Pass (None detected)
Content complexity	: 0.18 Avg
Content Complexity (Motion)	: 0.18 Avg
Credits	: Not Detected
Duplicate frames	: Fail (13 instances)
Fast Cuts / Scene Changes	: Pass
Flicker	: Pass (Assumed)
Half flash	: Pass (Assumed)
Image tilting	: Warning (Image Tilted)
Lead-in/Lead-out credits	: Not Detected
Logo detection	: Pass (Static)
Motion jerk	: Fail (13 instances)
Ofcom Flash (Flashy Video)	: Pass (Assumed)
Ofcom ITU Flash (Pre-Check)	: Pass (Assumed)
Offline media	: Pass
PSE (Detection in HDR)	: N/A (SDR)
Shot transition	: Pass
Unwanted frame	: Pass (No rogue flash frames)
White point	: Pass

HDR

Dolby Vision	: N/A
Gamut Check	: N/A



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Analog IRE (PAL/Digital HD) : 100.0 IRE / 0.0 IRE
Analog Millivolts (NTSC) : 714 mV / 54 mV
Analog Millivolts (PAL/HD) : 700 mV / 0 mV
Analog NTSC (US Legacy) : 100.0 IRE / 7.5 IRE
Full Range (Web/PC) : 255 / 0

Luma/Chroma levels

(0-100IRE/0-700mV/54-714mV NTSC/16-235pixel values)

Brightness : 136 [10b: 544 | 54.9 IRE]
Chroma Headroom : Pass
Contrast : 255 levels
Gamut Errors : Fail (154 OOB)
High Chroma : 192 (8-bit scale)
High Luminance : 255 [10b: 252 | 109.1 IRE]
Low Luminance : 0 [10b: 0 | 109.6 IRE]
Luma Footroom : Fail (154 OOB)
Luma Headroom : Fail (150 OOB)

HDR Format : N/A
Header Max Light : N/A
Mastering Color : N/A
MAX CLL : N/A
Max FALL : N/A
Min/Max Luminance : N/A

MXF/AMWA Compliance

AMWA AS Profile : N/A
Essence Coding - 1 : 0D01030102046001-
Essence Coding - 2 : 0401020201040300
Index Extras : Pass
Index Values : Pass
Partitions Info : Pass
Partitions State : Pass
RIP : Pass
Video Line Map : Pass
Video Offsets : Pass
Wrapping Mode : Frame

AUDIO CHECKS

Level & Phase Integrity

Audio level (Min, max, avg) : Avg: -24.1 LUFS | Peak: -12.1 dBTP
Audio Phase : Pass (In Phase)
Dialnorm : -24.1 dB
Level mismatch : Pass (Balanced)
Loudness compliance : -24.1 LUFS
Mean Phase : 0.21
PPM meter : -12.1 dBTP
Silence / Audio dropout : Pass

Acoustic Artifacts (AI / DSP)

Audio Impulsive noise : Warning (2 spikes)
Background noise : Fail (Poor SNR: 6.3dB)
Click and pop : Warning (2 spikes)
Colored noise : Pass (Normal HF balance)
Crackle : Warning (2 spikes)
Echo / Reverb : Pass (Within digital variance)
High frequency noise : Pass (Normal HF balance)
Jitter noise : Pass (Within digital variance)
Line Pattern noise : Pass (No electrical hum)
Multi reel audio click noise : Warning (2 spikes)
Overmodulation noise : Pass (No digital flat-topping)
Transient noise : Warning (2 spikes)

Configuration & Encoding

Bitdepth upconversion detection : Pass (Native High-Freq)
Clipping : Pass
DC offset : Pass
DPLM (Dolby Pro Logic) : Detected (Lt/Rt Phase Matrix)
Frequency : 48000 Hz
Low pass filter : Pass (Full Spectrum)
LRA (Loudness Range) : 4.2 LU
Misplaced channels : Pass (Matrix valid)
Stereo pair detection : Dual Mono (2 ch)
True Peak - Max : Pass (-12.1 dBTP) [Audio Engine]

Proprietary Signals & Tones

Beep : Pass (No 1kHz Tone)
EAS tones : Pass (No EAS Tones)
Test Tone Noise : Pass (No 1kHz Tone)
Test tones : Pass (No 1kHz Tone)



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Wow & Flutter : Pass (Within digital variance)

Loudness Compliance

Integrated - Avg (-23.0 ±0.0) : Pass (-24.1 LUFS)

True Peak - Max (-1.0) : Pass (-12.1 dBTP)

Short-Term (-15.0) : Pass (-21.5 LUFS)

Momentary (-11.0) : Pass (-19.4 LUFS)

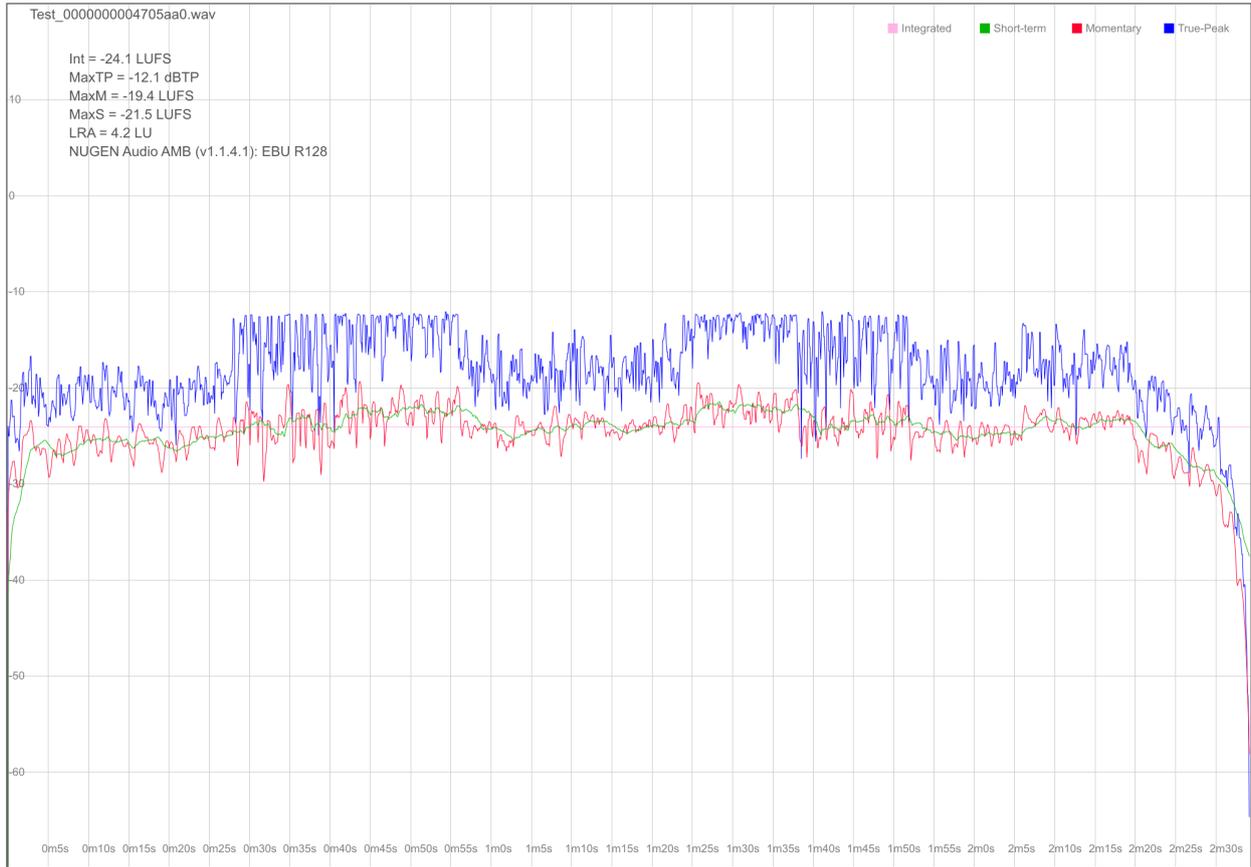
LRA (15.0) : Pass (4.2 LU)

Audio Engine Settings

Algorithm : EBU R128

Ignore Head : 0.0 secs

Loudness Graph [Audio Engine]





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COMPLIANCE CHECKS

IMF & DCP

App ID	: N/A
DCP SMPTE	: N/A
Essence Linked	: N/A
File Exists	: N/A
Netflix IMF	: N/A
Number Files	: N/A

Extended Standards

ARD_ZDF_HDF compliance	: Pass (25fps)
ARIB specifications	: Warning (Non-NTSC FPS)
CableLabs VOD compliance	: Warning (Non-CBR/TS)
DPI compliance	: Not Detected
ITU-R BT. 2020 compliance etc.	: N/A (Not BT.2020)
lightness level (MaxFALL and MaxCLL) (Missing Metadata)	
SMPTE 2084 EOTF	: N/A (Not PQ HDR)
ST 2086	: N/A (Missing Mastering Data)
TR101 290	: N/A (Not Transport Stream)

Subtitles & Captions

Basic align of speech with cap detect	: N/A (No Subtitles)
Character count	: Not Evaluated
Closed Captions	: Not Detected
Display duration	: Not Evaluated
DPI messages	: Not Detected
XDS checks	: Not Detected

Other

DPP Compliance	: N/A
HDR10/HLG	: N/A
ID of DPX/EXR	: N/A
ID of IMF/DCP	: N/A

JPEG 2000

J2K Profile	: N/A
J2k Sublevel	: N/A

Metadata & Profiles

608/708 Specific checks	: Not Detected
Caption/Subtitle alignment	: N/A (No Subtitles)
Character code table	: Not Evaluated
IMSC1 profile validation	: Not Detected
Subtitle position	: N/A (No Subtitles)