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Streaming Apps - HDR | DolbyVision

Overview

This specification applies when the colorist has completed both the full HDR color grade and the Dolby Vision trim pass.

For any questions regarding asset delivery for internal GEM screenings and reviews, please contact GEM Screening Operations.

File Naming Conventions

Pattern

dovi_[SHOWNAME]*[CONTENT]*[RANGE]*[COLORSPACE]*[DATE]*[ASPECT]*[RESOLUTION]_[VERSION]

Example

dovi_myshow_s01e01_hdr_p3d65pq_20210323_220_3840x2160_ov

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Video Format

Parameter	Requirement
Container	Quicktime MOV
Codec	Apple ProRes LT
Container Size	Native Deliverable (e.g., 3840x2160 or 1920x1080)
Pixel Aspect Ratio	1:1
Active Image Size	Native Deliverable (e.g., 3840x1920 for 2.0)
Color Space	P3
Video Range	Legal
White Point	D65

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EOTF	PQ / ST.2084
Frame Rate	Native Deliverable (e.g., 23.976, 24, 25, 29.97)
Timecode	Non Drop Frame

Metadata Requirements

Item	Description
Dolby Vision Metadata	Sidecar XML matching the media length
File Naming Rule	All file names must start with prefix "dovi_"

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Timing Layout

Section	Description
Start of File	1 second black and silence
Runtime	PROGRAMME
End of File	1 second black and silence

Audio Specifications

Parameter	Requirement
Mix	Nearfield Print Master
Codec	Uncompressed Linear PCM
Sample Rate	48 kHz

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Bit Depth	24 bit

Audio Track Order

Option 1: 5.1 Embedded or Separate WAV

5.1 Left, 5.1 Right, 5.1 Center, 5.1 LFE/Sub, 5.1 Left Surround, 5.1 Right Surround

Option 2: 2.0 Embedded or Separate WAV

2.0 Stereo Left or Left Total, 2.0 Stereo Right or Right Total

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Additional Notes

Item	Details
Watermark	Not required
WIP Burn-ins	Apply where applicable e.g., "Work in Progress"

Following these guidelines will ensure GEM delivery assets maintain industry-standard HDR and Dolby Vision quality, fully supporting detailed color and mix approvals in calibrated environments.