

HD File Specification

Apple Quicktime ProRes 422HQ

Container: MOV
Video:
 Codec: Apple Quicktime ProRes 422 HQ
 Chroma Subsample: 4:2:2
 Interlacing: Top Field First / Progressive
 Frame Size: 1920x1080
 Frame Rate: 25 FPS
 Aspect Ratio: 16:9

Audio:
 Codec: PCM (Little Endian)
 Sample Rate: 48kHz
 Sample Size: 24bit
 Channels: Stereo
 Loudness Standard: EBU R128
 Integrated: -23 LUFS ± 0.5 LU
 Maximum Short Term: -20LUFS
 Maximum Momentary: -15LUFS
 Maximum True Peak Level: -1dBTP

Apple Quicktime ProRes 4444

Container: MOV
Video:
 Codec: Apple Quicktime ProRes 4444
 Chroma Subsample: 4:4:4
 Interlacing: Top Field First / Progressive
 Frame Size: 1920x1080
 Frame Rate: 25 FPS
 Aspect Ratio: 16:9

Audio:
 Codec: PCM (Little Endian)
 Sample Rate: 48kHz
 Sample Size: 24bit
 Channels: Stereo
 Loudness Standard: EBU R128
 Integrated: -23 LUFS ± 0.5 LU
 Maximum Short Term: -20LUFS
 Maximum Momentary: -15LUFS
 Maximum True Peak Level: -1dBTP

Avid DNxHD 185x/DNxHD HQX MXF

Container: MOV/MXF
Video:
 Codec: Avid DNxHD/DNxHD HQX OP1a
 Chroma Subsample: 4:2:2
 Interlacing: Top Field First / Progressive
 Frame Size: 1920x1080
 Frame Rate: 25 FPS
 Aspect Ratio: 16:9

Audio:
 Codec: PCM (Little Endian)
 Sample Rate: 48kHz
 Sample Size: 24bit
 Channels: Stereo
 Loudness Standard: EBU R128
 Integrated: -23 LUFS ± 0.5 LU
 Maximum Short Term: -20LUFS
 Maximum Momentary: -15LUFS
 Maximum True Peak Level: -1dBTP

MXF Wrapped XDCAM HD

Container: MXF
Video:
 Codec: XDCAM 422
 Profile: MPEG-2 4:2:2@HL
 Bitrate: 50Mb/s CBR
 Chroma Subsample: 4:2:2
 Interlacing: Top Field First / Progressive
 Frame Size: 1920x1080
 Frame Rate: 25 FPS
 Aspect Ratio: 16:9

Audio:
 Codec: PCM (Big/Little Endian)
 Sample Rate: 48kHz
 Sample Size: 24bit
 Channels: Stereo
 Loudness Standard: EBU R128
 Integrated: -23 LUFS ± 0.5 LU
 Maximum Short Term: -20LUFS
 Maximum Momentary: -15LUFS
 Maximum True Peak Level: -1dBTP

SD File Specification

Apple Quicktime ProRes 422HQ 625/50

Container: MOV
Video:
 Codec: Apple Quicktime ProRes 422 HQ
 Chroma Subsample: 4:2:2
 Interlacing: Top Field First / Progressive
 Frame Size: 1024x576 / 720x576
 Frame Rate: 25 FPS
 Aspect Ratio: 16:9

Audio:
 Codec: PCM (Little Endian)
 Sample Rate: 48kHz
 Sample Size: 24bit
 Channels: Stereo
 Loudness Standard: EBU R128
 Integrated: -23 LUFS ± 0.5 LU
 Maximum Short Term: -20LUFS
 Maximum Momentary: -15LUFS
 Maximum True Peak Level: -1dBTP

Uncompressed 625/50

Container: MOV
Video:
 Codec: Quicktime Uncompressed 8bit
 Chroma Subsample: 4:2:2
 Interlacing: Top Field First / Progressive
 Frame Size: 1024x576 / 720x576
 Frame Rate: 25 FPS
 Aspect Ratio: 16:9

Audio:
 Codec: PCM (Little Endian)
 Sample Rate: 48kHz
 Sample Size: 24bit
 Channels: Stereo
 Loudness Standard: EBU R128
 Integrated: -23 LUFS ± 0.5 LU
 Maximum Short Term: -20LUFS
 Maximum Momentary: -15LUFS
 Maximum True Peak Level: -1dBTP

Action/Safe marks: Safe Action: 90% / Title Safe: 80%

TVC duration must be cut to a whole second and not have additional frames.

Content will be converted to 16x9 Letterbox, for 4x3 broadcasters.

National Audiovisual Council of Romania (EBU-R128) <http://www.cna.ro/RECOMANDARE-privind-nivelul-t-riei.html>

AVID Codecs http://avid.force.com/pkb/articles/en_US/download/Avid-QuickTime-Codecs-LE

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Aspect Ratio: 16:9

Audio:
Codec: PCM (Little Endian)
Sample Rate: 48kHz
Sample Size: 24bit
Channels: Stereo
Loudness Standard: EBU R128
Integrated: -23 LUFS ± 0.5 LU
Maximum Short Term: -20LUFS
Maximum Momentary: N/A
Maximum True Peak Level: -12dBTP

Apple Quicktime ProRes 4444

Container: MOV
Video:
Codec: Apple Quicktime ProRes 4444
Chroma Subsample: 4:4:4
Interlacing: Top Field First / Progressive
Frame Size: 1920x1080
Frame Rate: 25 FPS
Aspect Ratio: 16:9

Audio:
Codec: PCM (Little Endian)
Sample Rate: 48kHz
Sample Size: 24bit
Channels: Stereo
Loudness Standard: EBU R128
Integrated: -23 LUFS ± 0.5 LU
Maximum Short Term: -20LUFS
Maximum Momentary: N/A
Maximum True Peak Level: -12dBTP

Avid DNxHD 185x/DNxHD HQX MXF

Container: MOV/MXF
Video:
Codec: Avid DNxHD/DNxHD HQX OP1a
Chroma Subsample: 4:2:2
Interlacing: Top Field First / Progressive
Frame Size: 1920x1080
Frame Rate: 25 FPS
Aspect Ratio: 16:9

Audio:
Codec: PCM (Little Endian)
Sample Rate: 48kHz
Sample Size: 24bit
Channels: Stereo
Loudness Standard: EBU R128
Integrated: -23 LUFS ± 0.5 LU
Maximum Short Term: -20LUFS
Maximum Momentary: N/A
Maximum True Peak Level: -12dBTP

MXF Wrapped XDCAM HD

Container: MXF
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Codec: XDCAM 422
Profile: MPEG-2 4:2:2@HL
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Aspect Ratio: 16:9

Audio:
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Sample Rate: 48kHz
Sample Size: 24bit
Channels: Stereo
Loudness Standard: EBU R128
Integrated: -23 LUFS ± 0.5 LU
Maximum Short Term: -20LUFS
Maximum Momentary: N/A
Maximum True Peak Level: -12dBTP

Action/Safe marks: Safe Action: 90% / Title Safe: 80%

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AVID Codecs http://avid.force.com/pkb/articles/en_US/download/Avid-QuickTime-Codecs-LE

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Channels: Stereo
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Maximum Momentary: -15LUFS
Maximum True Peak Level: -10dBTP

Avid DNxHD 185x/DNxHD HQX MXF

Container: MOV/MXF
Video:
Codec: Avid DNxHD/DNxHD HQX OP1a
Chroma Subsample: 4:2:2
Interlacing: Top Field First / Progressive
Frame Size: 1920x1080
Frame Rate: 25 FPS
Aspect Ratio: 16:9

Audio:
Codec: PCM (Little Endian)
Sample Rate: 48kHz
Sample Size: 24bit
Channels: Stereo
Loudness Standard: EBU R128
Integrated: -23 LUFS ± 0.5 LU
Maximum Short Term: -20LUFS
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Please note that for BMG Group-BTV Broadcasters and Ring, the file must meet 4x3 title/action safety.

Please note that Disney Channel, requires a stereo track containing the Music+Effects for the commercial you want to deliver. You can export one video file containing 4 audio channels - 1+2 Fullmix / 3+4 Music+Effects.

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Sample Rate: 48kHz
Sample Size: 24bit
Channels: Stereo
Loudness Standard: EBU R128
Integrated: -23 LUFS ± 0.5 LU
Maximum Short Term: -18LUFS
Maximum Momentary: N/A
Maximum True Peak Level: -1dBTP

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Sample Size: 24bit
Channels: Stereo
Loudness Standard: EBU R128
Integrated: -23 LUFS ± 0.5 LU
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Maximum Momentary: N/A
Maximum True Peak Level: -1dBTP

Avid DNxHD 185x/DNxHD HQX MXF

Container: MOV/MXF
Video:
Codec: Avid DNxHD/DNxHD HQX OP1a
Chroma Subsample: 4:2:2
Interlacing: Top Field First / Progressive
Frame Size: 1920x1080
Frame Rate: 25 FPS
Aspect Ratio: 16:9

Audio:
Codec: PCM (Little Endian)
Sample Rate: 48kHz
Sample Size: 24bit
Channels: Stereo
Loudness Standard: EBU R128
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Maximum Momentary: N/A
Maximum True Peak Level: -1dBTP

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