



# Input Material Specs

## Purpose

This guide serves to clarify on how to provide your assets to press9 for delivery to your chosen platforms.

## Video 4k-UHD (SDR)

- Codecs: ProRes 422HQ, ProRes 4444 (XQ), DnxHR 444, DNxHR HQX
- Bitrate: Min. 700mbps @ 25fps, 1400mbps @ 50fps
- Container: MOV
- Frame rate: Native
- Resolution: 3840x2160 Pixel
- Aspect ratio: 1.78:1 (16:9)
- Pixel aspect ratio: Square
- Field Dominance: Progressive or upper field first
- Chroma: 4:2:2/10bit or 4:4:4/10bit

## Video 4k-UHD (HDR) Same technical specs as SDR

- Additional HDR Metadata information that is mandatory for HDR files:
- HDR format (HDR10, HDR10+, DolbyVision)
- Red Chroma X
- Red Chroma Y
- Green Chroma X
- Green Chroma Y
- Blue Chroma X
- Blue Chroma Y
- Whitepoint Chroma X
- Whitepoint Chroma Y
- Max. Display Luminance
- Min. Display Luminance
- Max Content Lightlevel
- Max Frame AVG Lightlevel

## Video HD

- Codecs: ProRes 422HQ, ProRes 4444 (XQ), DnxHD185x



## Input Material Specs

- Bitrate: Min. 160mbps @ 25fps, 320mbps @ 50fps
- Container: MOV
- Frame rate: Native
- Resolution: 1920x1080 Pixel
- Aspect ratio: 1.78:1 (16:9)
- Pixel aspect ratio: Square
- Field Dominance: Progressive or upper field first
- Chroma: 4:2:2/10bit or 4:4:4/10bit

## Video SD-PAL

- Codecs: ProRes 422HQ, DnxHD185x
- Bitrate: Min. 40mbps @ 25fps
- Container: MOV
- Frame rate: Native
- Resolution: 1024x576 (16:9) or 768x576 (4:3) Pixel
- Aspect ratio: 1,77:1 (16:9) or 1.33:1 (4:3)
- Pixel aspect ratio: 1,45:1 (16:9) or 1,09:1 (4:3)
- Field Dominance: Progressive or upper field first
- Chroma: 4:2:2/10bit

## Video SD-NTSC

- Codecs: ProRes 422HQ, DnxHD185x
- Bitrate: Min. 40mbps @ 25fps
- Container: MOV
- Frame rate: Native
- Resolution: 853x480 (16:9) or 640x480 (4:3) Pixel
- Aspect ratio: 1,77:1 (16:9) or 1.33:1 (4:3)
- Pixel aspect ratio: 1,21:1 (16:9) or 0,90:1 (4:3)
- Field Dominance: Progressive or upper field first
- Chroma: 4:2:2/10bit

## Audio Specs

- Codec: PCM



## Input Material Specs

- Bitrate: Uncompressed
- Container: MOV, WAV
- Bits per sample: 16/24bit
- Sampling frequency: 48Khz

### Audio/Video/Subtitles - General Requirements

Please provide video material without burnt in Forced Narratives or Full Subtitles

Please provide Forced Narratives and Full Subtitles as discrete files (STL, ITT etc.)

In case of multiple languages in the Audio please provide the main production language

### Audio Channel Mapping

Option 1 1 language, Stereo, M/E		Option 2 1 language, 5.1, Stereo		Option 3 2 languages, Stereo, M/E			
Ch. 1	Lt	Ch. 1	L	Ch. 1	Lt	Ch. 1	L
Ch. 2	Rt	Ch. 2	R	Ch. 2	Rt	Ch. 2	R
Ch. 3	Lt M/E	Ch. 3	C	Ch. 3	Lt	Ch. 3	C
Ch. 4	Rt M/E	Ch. 4	LFE	Ch. 4	Rt	Ch. 4	LFE
		Ch. 5	Ls	Ch. 5	Lt M/E	Ch. 5	Ls
		Ch. 6	Rs	Ch. 6	Rt M/E	Ch. 6	Rs
		Ch. 7	Lt			Ch. 7	Lt
		Ch. 8	Rt			Ch. 8	Rt
						Ch.9	Lt M/E
						Ch.10	Rt M/E

The green highlighted option is the most common one

**Please do not deliver an empty LFE channel**

Please make sure, that all audio peaks are below 0dB

**Please do not deliver Dual Mono**