

## SCREEN - specifications for the delivery of picture and audio data

In order to be able to ensure a technically flawless playback of picture and sound in the cinema, the delivered picture and audio data will be reviewed and if necessary reprocessed / adapted. Subsequently, a Digital Cinema Package (DCP) will be generated according to DCI and made available to the respective cinemas.

## data specifications

### picture

- **Resolution**  
2k Flat (1998 x 1080) / Full HD (1920 x 1080)\*  
4k Flat (3996 x 2160) / Full HD (3840 x 2160)\*\*  
\* for still image: higher resolution while retaining the aspect ratio possible  
\*\* Only selected cinemas can show full 4K resolution
- **Positioning of important picture information in the action-safe-area** (5% away from the edge of the image)



check here:  
[Action Safe](#)

### Moving picture - specific requirements

- **Frame rate cinema:**  
24 fps (frames per second)
- **RGB colour space**  
(at DCP: XYZ-colour space)
- Please choose the maximum of quality level for image when using a compressed data format.

### audio

- **5.1 sound mix**  
5.1 cinema-mixture according to cinema norm **82dB leq (m)** as **six discrete channel L/R/C/LFE/LS/RS**.
- **Stereo**  
**Two discrete channels L/R** according to cinema norm **82dB leq (m)**.  
**Note:** From the stereo data supplied, a 5.1 mix is created which complies with the cinema norm of **82dB leq (m)**.

### **ATTENTION:**

The maximum volume for the content of the cinema pre-program is set to **82 dB leq (m)**. Please note that we check the excess of the maximum level 82 dB leq (m) and adjust if necessary (by a max. of 12dB). Sound files with a volume level below 82 dB leq (m) can be adapted and the volume level can be raised according to the sound standard. Please note that these adjustments may lead to a different auditory impression.

### **Silent**

- Depending on the filetype please provide:
  - **No audiotrack** for: Still frame, single image sequence, video container without sound (select "silent" when uploading)
  - **silent audiotrack** for: video container incl. sound, as well as DCP

## delivery (Attention:upload only one spot per upload process)

- **Delivery deadline:** 3 workdays prior to the movie's release date, until 10 am. (Data must be fully uploaded).
- **Delivery:** Please use our upload portal <https://upload.weischer.net> to provide your data.  
(Please note that the Internet Explorer is not available for using the upload portal.)
- **Approval identification:** Please ask your contact person for the approval identification Date

## file upload

The image and audio data must be of exactly the same length and uploaded without technical preamble/abstracts. The following upload options are available.

### **DCP (Digital Cinema Package)**

- 1xMXF (Video), 1xMXF (Audio), Asset Map, Composition Playlist (CPL), Packing List (PKL)

### **video container & audio data (H264, H265 (HEVc), ProRes, MPEG1, MPEG2)**

- image data: MP4, MOV, MPEG
- audio data: WAV, AIFF (48kHz/96kHz, 24bit)

### **frame sequence & audio data**

- image data: TIF, JPEG, PNG, DPX
- audio data: WAV, AIFF (48kHz/96kHz, 24bit)

### **single image sequences** (upload **1 image** and declare running time)

- image data: TIF, JPEG, PNG