

Commercial Laser Transfers and Digital Cinema Mastering

Deluxe Melbourne offers the very latest in film and digital post-production technology, combined with the experience and care of specialists in cinema commercial production. The Laser Transfer and Digital Cinema Mastering package includes:

- An experienced Producer for technical advice and production co-ordination
- Image preparation and a 2K, 35mm negative via Arri Laser film recorders
- Sound mastering and Dolby Licensing in Australia's only Dolby Premier certified Studio (StageOne Sound)
- Optical sound negative
- Synchronising of film image and sound
- Answer print and screening at Deluxe Melbourne or in most capital cities
- Creation of 1 x J-peg 2000 Digital Cinema Package (DCP) for digital cinemas

Production Requirements

Image:

Best results will be achieved by producing and supplying the image at high definition (HD). The resolution should be 1920 x 1080 or in the 2K 1:1.85 cinema widescreen ratio of 1828 x 988 and progressive (not interlaced). Suitable formats include:

- HDCam
- HD Tiff Files on DVD or hard drive
- HDCamSR
- HD DPX files on DVD or hard drive

Standard definition (SD) images in 16:9 or 4:3 ratio can be supplied as:

- PAL Digital betacam
- SD file sequences (as above)

SD images can be improved by supplying high res supers (tiff, EPS or Photoshop files with alpha channel) and a superless image, along with a master version for reference. Complex compositions may incur additional costs. Cinema safe screening area grids are available for reference and should be used to ensure no important information will be cropped. Countdowns are preferable on file sequences and compulsory on tape formats.

Sound:

Audio needs to be supplied as pre-mixed stems (separate tracks) on CD or DVD.

- Music
- Effects
- Guide track for reference
- Dialogue
- Voice Over

Audio is best delivered as:

- 16 bit, 48 kHz
- WAV or AIFF
- 2 pips on each track at -20dB



D.I. Film Scanning and Recording



Dolby Premier Sound Mixing



Digital Cinema Projection

A fully mixed track or m&e mixes are not acceptable for cinema Dolby mastering. Alternative delivery formats (e.g. Pro-tools) should be discussed with your Deluxe producer. Package costs include one hour of sound mastering – additional time will incur extra charges. Dolby masters from other licensed studios can be delivered on MOD or DA88 for 6 track Dolby Digital (Dolby SRD) or DAT for Dolby Stereo (Dolby SR). Sound transfer frame rates should be instructed on DA88's or DAT's.

24/25 FPS:

- Film runs at 24 frames per second (fps), PAL video is 25fps.
- Cinema images supplied as 25fps will have a 4% slow-down in image and audio when playing back on film. The tempo of the audio slows down slightly. Pitch can be corrected in the Dolby mix.
- We can offer an image re-time (25 – 24fps) by blending frames, not editing whole frames. This means audio will be at the correct pitch and tempo in cinema but there may be some noticeable blended frames.
- Another option for 25fps images is to have a specific cinema audio track lay done at your preferred sound studio, before supplying us the audio elements. In this option the image does not need a re-time and audio will be at the correct pitch & tempo. We can provide your track laying studio a quicktime reference of a 'stretched' image (i.e. for a 30 sec ad a 25fps the stretched quicktime will be 31 sec and 10 frames).
- Images created and supplied as 24fps will be transferred frame for frame and audio will be at the correct pitch and tempo in cinema.

FTP:

Deluxe has an available FTP site. Image and/or audio downloads from external FTP or Deluxe FTP will incur additional costs.

E-CINEMA:

If e-cinema (M-Peg 2) is required, it can be created with the components supplied for the Laser Transfer.

CONTACT DETAILS: For more information you can contact at Deluxe Melbourne:

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