



Duplication Master Requirements

Analog Masters

Each master shall have fifteen seconds of color black followed by thirty seconds of split-field color bars (EIA or SMPTE standard) at the head of the tape. Color bars shall be followed by no less than twenty seconds of color black prior to program start. Color black shall continue after program end for no less than one minute.

Color bar video information shall be accompanied by a 1 kilohertz audio tone at 0 dBm on all audio tracks. During the color black portions of the tape, all audio tracks shall be silent with the exception of timecode. All program audio shall be fully mixed. Where possible, program audio should be in stereo.

Both color and monochrome programs shall meet EIA RS170A standards for levels and timing of signal component. Monochrome programs shall contain color burst at its' customary location. If closed caption is included, it shall appear on line 21 of field 1 of the vertical blanking interval. SMPTE timecode not necessary. Color time or drop frame OK. If VITC is recorded, it shall exactly match the longitudinal timecode.

Peak white shall be 100 IRE units, with exceptions not to exceed 104 IRE units for specular highlights. Black shall be maintained at a nominal level of 7.5 IRE, with minimum negative exceptions not to exceed -5 IRE.

Digital Masters

DV & DVCAM Only

Mini DV & Mini DVCAM tapes are played back on DVCAM equipment, allow 10 seconds at the beginning of tape for machine thread-up. If no color bars or tone available, tapes will be played back at the factory preset levels for video. Audio should not peak higher than -1 dBm. Color bar and tone supplied with tape should adhere to the analog standards with the exception of audio. 1 kilohertz tone should be recorded at -12 dBm.

All standards listed here are subject to change without notice. We do accept masters that do not meet these standards, and try to do the best to provide copies of acceptable quality. Contact The Cinema Lab for more information about video duplication, 303-783-1020.