

Nuendo - Video Pull-Down Pull-Up

Q: I'm working with video that will need to go back to film, can I change the playback speed of the video?

A: Yes, use the Video Playback Speed Control.

Pull-up and Pull-down

When film footage is transferred to video, the framerate must be converted from 24 fps to either 25 fps (PAL/SECAM) or 29.97 fps (NTSC). This process introduces a slight speed change as a result of the mathematical relationships between the different framerates. The film to NTSC conversion is done as 2-3 pull-down and the film is running at 23.98 fps to maintain the exact 2-to-3 relationship. (Result: The film is running ~0.1% slower in NTSC TV.)

To help users follow video at the correct speeds, Nuendo has the ability to pull-up or pull-down the playback speed of the video by the necessary .1%. This is done in Devices, Device Setup, Video Player.

