



Module II. Technical

Video
concept
course

Topic 2. Camera
settings

Lesson 1. FPS



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In this lesson, we will learn...

1. What FPS is
2. How to choose the best FPS for your video
3. Which FPS corresponds to NTCS or PAL standards



1.- What is FPS

FPS (Frames Per Second) measures frame rate, this is, the number of consecutive full-screen images displayed each second



If a video is captured and played at 24fps, then... How many images will be shown each second?



2.- How do I choose the best FPS for my Video?

It depends on the subject you are going to shoot



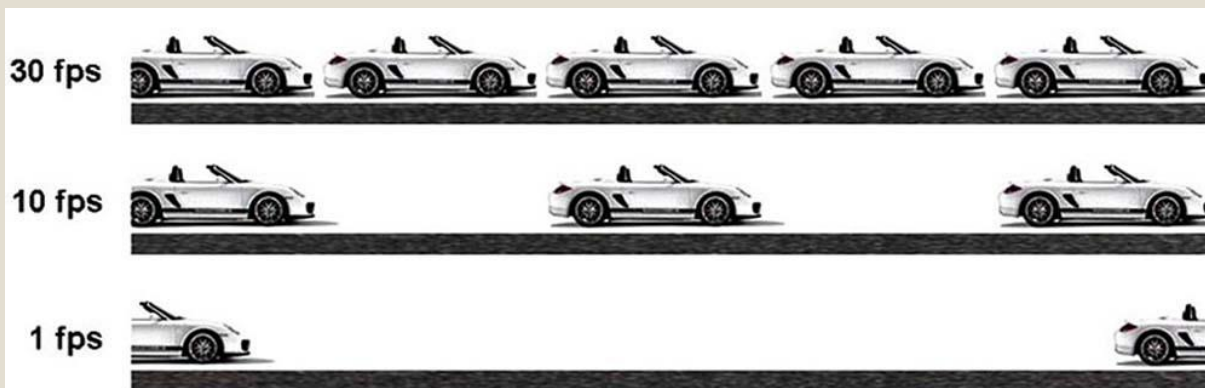
Digital Cinema
Base or Project Frame Rate = 24 fps
||
100% Speed Motion

2.- How do I choose the best FPS for my Video?

*HFR or High Frame Rate Frame
Rate > 30fps
Smoother Result
Bigger file size
Fast Scenes: fights, athletics, ...*



*Low Frame Rate Frame
Rate < 24fps
Faster things appear
Smaller file size*



3.- How should I use: NTSC or PAL?

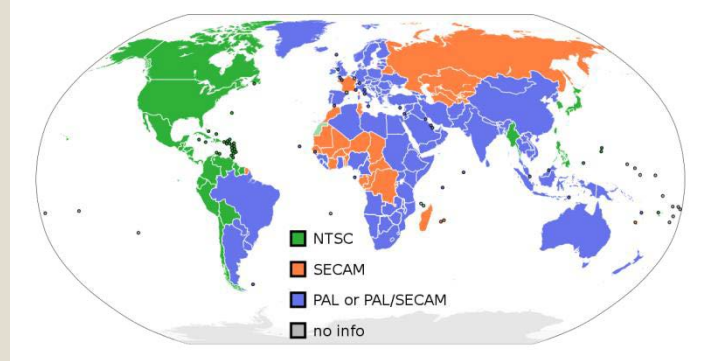


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NTSC

National Television System Committee
Rate = 30fps (30, 60, 120, etc.)

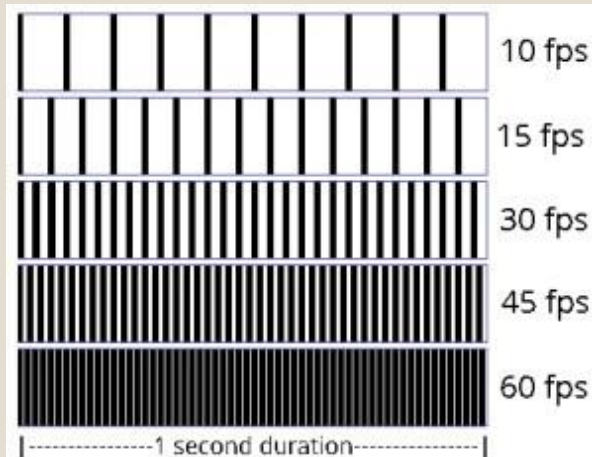


PAL

Phase Alternating Line
Rate = 25fps (25, 50, 75, etc.)

Finally:

Choose your frame rate according to the subject you're shooting and your work will reach another level.





Conclusions

The right usage of FPS consists of changing the way you film and the way the subject is perceived. It is a camera setting that can change the quality of your video literally and metaphorically.

Knowing the right usage of FPS will take your work to another level!



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