

A starting guide to slow motion video settings

For slow motion we suggest starting at the following settings. There are all sorts of artistic reasons you may want to change it up, these are just good starting steps.

The information below is based on the intention of a final product playback rate of 30 fps.

Frame Size:

- 3840x2160 (which is 4k)
 - This frame size will allow cropping in post
- 1920x1080 (which is HD)

Frame Rate:

- 240p (this is 240 frames per second, which will allow you to slow down your footage to 12.5% real time)
- 120p (this is 120 frames per second, which will allow you to slow down your footage to 25% real time)
- 60p (this is 120 frames per second, which will allow you to slow down your footage to 50% real time)

FOR SETTINGS: MAKE SURE NOTHING IS ON AUTO- double check white balance and picture control (you don't want things changing while you are rolling)

Shutter Speed:

1/Double your frame rate (or the closest to it)

Examples:

- For 120p, shutter speed should be 1/250
- For 60p, shutter speed should be 1/120

Aperture:

Depends on how much you want in focus, totally up to you

ISO:

I usually hang in the 100-800 range. Grain is much harder to remove in video, so I try to stay under ISO 3200

Picture Control:

I use either flat, standard or neutral. It is easier to bump colors in editing, but hard to pull them back.

White Balance:

This is definitely an artistic decision, for nature, I love cloudy or sunny. **MAKE SURE IT ISN'T ON AUTO**

Focus Modes:

This is a personal choice on what works best for you. Some cameras have additional focus modes for video. My camera has an AF-F which stands for Full Time Auto-Focus. It is what I use. My personal favorite focus mode for wildlife is Wide Area Large or Auto Area Auto Focus with animal eye tracking.

Compression:

I suggest starting with either H.265 or H.264 at 10-bit.

Vibration Reduction:

Turn it on! It is brilliant!

Don't worry if your footage looks bumpy when you play back. When you slow it down in post, it definitely helps.

Have fun!! We can't wait to help you more on this journey!!

