

L e e m i n g L U T



Camera Setup Guide: Fujifilm X Series

Manual Version: 20200314

INTRODUCTION

Thank you for purchasing Leeming LUT Pro™, the most accurate and professional Look Up Tables (LUTs) for Fujifilm X series cameras.

The LUTs have been carefully developed to get the maximum dynamic range and colour accuracy out of the supported profiles, giving you unparalleled Rec709 precision as well as perfect camera matching with other supported cameras in the Leeming LUT Pro™ range.

Use it in conjunction with ETTR shooting principles and you will get the highest possible quality images out of the camera every time.

I am confident you will find these the most accurate LUTs for the camera. Anything less and I wouldn't have put my name on them!

Enjoy :)

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REQUIREMENTS

1. Fujifilm X series digital camera which supports F-Log, HLG, Eterna Cinema or Pro Neg Std.
2. Spectrally neutral white or grey card, for white balancing the camera (eg. the white balance side of the X-Rite Colorchecker Passport Photo is designed for this).
3. Leeming LUT Pro™ for Fujifilm X series.

CAMERA SETUP

Using the Fujifilm X-T3 with firmware 3.01 as representative of menu structure. Your camera may not have all the same features so adjust as necessary. **Items highlighted in YELLOW have an adverse effect on LUT accuracy if changed away from the recommended values.**

1. Set the camera mode dial to Movie mode and the front focus mode switch to M.
2. Press the MENU button to enter the menu system and use the four-way directional buttons to navigate the menus. Go down to the Movie tabs.
3. Movie tab page 1 – Set your resolution and framerate as desired. Set 200Mbps for recording datarate (this is so we can use H.265 as the recording format).
4. H.265(HEVC)/H.264 – Set it to H.265(HEVC) to use 10bit 4:2:0 and 4:2:2 modes.
5. Movie Compression – Set it to LongGOP unless you are specifically intending to shoot for the ALL-Intra mode.
6. Full HD High Speed Rec – Leave the default of OFF but this is where you can set high speed recording options as desired.

7. Film Simulation – Set this to either PRO Neg Std or Eterna Cinema if F-Log or HLG modes aren't available (F-Log is my recommendation for best dynamic range).
8. White Balance – Set to Custom 1 and use a spectrally neutral white balance card to get the correct white balance.
9. Movie tab page 2 – Dynamic Range – Leave this at DR100 as it does weird things to the curve if you choose the other options. The LUTs are designed for DR100.
10. Set Highlight Tone and Shadow Tone to 0.
11. Set Color, Sharpness and Noise Reduction to -4.
12. 4K Interframe NR – Set to OFF.
13. F-Log/HLG Recording – Select your preferred combination of SD card and HDMI options. I recommend F-Log over HLG in most cases but both are good profiles. In either use case, I recommend using the same profile for both SD and HDMI.
14. Movie tab page 3 – MF Assist – Set to PEAK - Focus Peak Highlight – Red(High). You may choose another colour if it suits you better. Set Focus Check to ON.
15. 4K Movie Output – Set both SD and HDMI to 4K unless your equipment is 1080p.
16. Full HD Movie output – Set both SD and HDMI to FHD.
17. Movie tab page 4 – HDMI Output Info Display – Set to OFF unless you wish to see the menu overlays from the camera on your HDMI connected external monitor. Set HDMI Rec Control to ON.
18. Zebra Setting – Choose Zebra Right or Zebra Left. Set Zebra Level to 100%. NOTE: There is highlight detail recording above 100% zebra indications with most profiles. This is a problem with the Fujifilm zebras so please note that 100% should be treated as having a small amount of safety before hard ETTR clipping occurs. It's the best we can do to ETTR unless Fujifilm fixes the zebras to allow for the extra 10% or so available above 100% in most profiles.
19. Audio Setting – Set your audio as desired.
20. Time code Setting – Set Time Code Display to ON, then set Start Time Setting to either Manual Input or Current Time depending on your needs. Set Count Up Setting to Free Run or Rec run depending on your needs. Set HDMI Time code Output to ON.
21. Tally Light – Set it as desired (I use Front OFF Rear ON).
22. Movie tab page 5 – Movie Silent Control – Set as desired (I have mine set to OFF).
23. Set Up tab – Sound Set-Up – Set AF Beep Vol. To OFF, Operation Vol. To OFF, Shutter Volume to OFF.
24. Screen Setting – Set your EVF and LCD options as desired (I leave everything at the defaults). Set Image Display to OFF. On the sub-page 2, Preview Exp/WB to Exp/WB. Natural Live View to OFF, Framing Guideline as desired.
25. Display Custom Setting – Framing Guideline ON, Focus Frame ON, Histogram OFF, Shooting Mode ON, Aperture/S-Speed/ISO ON, Information Background ON, Focus Mode ON, Photometry ON, Shutter Type ON, Flash ON, White Balance ON, Film Simulation ON, Dynamic Range ON, Boost Mode ON, Frames Remaining ON, Image Size/Quality ON, Movie Mode & Rec Time ON, Mic Level ON, Battery Level ON. The rest can be set as desired (as can the rest if you prefer).
26. Button/Dial Setting – Set as desired but for me, I like to make sure the top Fn1 button is mapped to WB for easy access. Set Shoot Without Lens to ON for manual lenses.
27. Power Management – Set Auto Power Off to OFF to prevent the camera from sleeping. Set Performance to Normal.
28. Save Data Set-Up – Choose how you want to record to the dual card slots and add your Copyright Info as desired.
29. My Menu – Set your favourite shortcuts here for quick access.
30. Set the Metering dial as desired and set your Shutter Dial to T when using manual lenses. You can then use the Thumb Dial to adjust Shutter Speed.

You are now ready to use Leeming LUT Pro™ with the maximum picture quality available. Be sure to visit the website to read up on how to use ETTR (Expose To The Right) principles to get the most dynamic range out of your sensor, as well as the associated Leeming LUT Pro™ LUT Installation Manual on how to apply the LUT to your footage in post-production:

www.LeemingLUTPro.com

LICENCE

You are granted a personal licence to use Leeming LUT Pro™ on two computers. For use with more computers, please contact Visceral Psyche Films for bulk discount pricing. All updates to the product are free of charge. You may not upload the LUT anywhere, share it with other people or incorporate it into other LUTs, whether they be for sale or not. Please respect the work that has gone into the LUTs and support those supporting you. Thank you!

COMPATIBILITY

Leeming LUT Pro™ is compatible with any NLE that uses a 33x33x33 .cube LUT format. It has been successfully tested with Adobe Premiere CC 2019, Davinci Resolve 16, Final Cut X and Magix Vegas 13.

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