

L e e m i n g L U T

ONE

Panasonic Camera Setup

LUT Version: v502

INTRODUCTION

Thank you for purchasing Leeming LUT One™, the best Look Up Table (LUT) for Panasonic cameras.

The LUT has been carefully developed to get the maximum dynamic range out of the camera, while retaining pleasing cinematic skin tones and accurate Rec709 colorimetry.

Use it in conjunction with this setup guide and ETTR shooting principles to get the highest quality images possible out of the camera.

I am confident you will find this the best LUT for Panasonic cameras. Anything less and I wouldn't have put my name on it!

Enjoy :)

A white handwritten signature on a dark background, appearing to be 'PL' with a stylized flourish.

Paul Leeming
Director / Writer / Cinematographer / Actor
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REQUIREMENTS

1. Panasonic digital camera with Cine-D, V-LogL or Hybrid Log Gamma (HLG) capability.
2. 18% grey card or spectrally neutral white card for white balancing the camera.
3. Leeming LUT One™ for Panasonic cameras.

CAMERA SETUP (based on the GH5 - other cameras may have slightly different options)

1. Switch the top dial to Movie mode.
2. Press the Menu button and go to the Movie M tab, set Exposure Mode to M and Master Pedestal to 0.
3. Select Movie tab, Rec Format MP4 (LPCM) or MOV, Rec Quality 4K 10bit (wherever possible) and framerate as desired (Settings - System Frequency for PAL/NTSC/Cinema options).
4. Choose from one of the following Photo Styles and adjust the numbers as follows, then press Set to save that profile:

	V-LogL	Cinelike-D	Hybrid Log Gamma	Additional Notes
Contrast	[NA]	0	[NA]	
Sharpness	-5	-5	-5	-3 for non-GH5 Micro 4/3 cameras
Noise Reduction	-5	-5	-5	
Saturation	[NA]	-3	0	
Hue	[NA]	0	0	
Luminance Level	[NA]	0-1023 (0-255 for 8bit)	[NA]	

Set your zebras to match the profile for ETTR highlight clipping avoidance (for HLG use Mode 1 for viewing as it favours highlights):

	V-LogL	Cinelike-D	Hybrid Log Gamma	Additional Notes
Zebras	75%	100%	90%	Zebras are measured with an RGB channel clip buffer for safety

5. Set Filter Settings OFF, Highlight Shadow 0, i.Dynamic and i.Resolution OFF, Sound Output REALTIME, HDMI Rec Output as required.
6. Select Custom Settings tab, Exposure, ISO Increments 1/3EV, Extended ISO ON, Exposure Comp. Reset OFF, Constant Preview ON, Peaking ON, HIGH, Display Color, Histogram ON.
7. Set Monitor Info. Disp. ON and Video-Priority Display ON.
8. Select the Settings tab, Beep - Beep Volume OFF, E-Shutter Vol OFF, Live View Mode 60fps, Monitor Luminance as required.
9. Set System Frequency to your desired region format (PAL/NTSC/Cinema). Note that Cinema is DCI4K spec which gives you exact 24.00fps and 4096x2160 resolution options.
10. In Folder/File Settings, customise your File Name Setting as desired. Choose whichever Double Slot Function you desire for recording to SD card 1 and 2.
11. Select the My Menu tab - My Menu Setting and Add the following (recommended but you can customise as desired):

Photo Style, Zebra Pattern, Stabilizer, Rec Quality, Mic Level Adj, Cust. Set Mem, Variable Frame Rate, Synchro Scan, WFM/Vector Scope, V-LogL View Assist.

12. If you are using V-LogL with the GH5, place the LL1_V502.vlt monitoring LUT in the root directory of your SD card, place it in Slot 1, Select V-LogL View Assist, Read LUT File, select LL1_V502, save to Set1. From there, choose LUT Select - LL1_V502 and LUT Monitor Display ON. You can optionally output the same file to your HDMI port if required. The zebras and histogram retain their pre-LUT levels so you don't need to adjust anything when using the monitoring LUT function.

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

www.LeemingLUTOne.com

LICENCE

You are granted a personal licence to use Leeming LUT One™ on a single desktop plus a single laptop (or any combination of 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 or share it with other people. Please respect the work that has gone into the LUT and support those supporting you. Thank you!

COMPATIBILITY

Leeming LUT One™ is compatible with any NLE that uses the 64x64x64 .cube LUT format. It has been successfully tested with Adobe Creative Cloud, Davinci Resolve, Final Cut X, Edius and Magix Vegas. If you need a 32x32x32 .cube LUT for compatibility with older software or hardware please contact me.

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