

L e e m i n g L U T



Panasonic GH4 V-Log Camera Setup

Manual Version: v3.04

INTRODUCTION

Thank you for purchasing Leeming LUT One™, the best Look Up Table (LUT) for the Panasonic GH4 camera's V-Log L mode.

This is a special edition of the regular Leeming LUT One™ primarily designed for use with external, 10 bit 4K recorders such as Video Devices' PIX-E series.

V-Log L on the GH4 is less than optimal in 8 bit internal recording situations, with magenta/cyan chroma smearing and excessive banding artifacts due to its limited bit depth distribution. That said, some people wish to use V-Log L anyway, or they want to record out to an external recorder, or view a corrected linear output externally while recording log internally.

It is for you that this special edition of Leeming LUT One has been created.

Please follow the guide to set up your camera for V-Log L shooting, and see the separate manual for how to use the LUT in your favourite editing software.

Enjoy :)

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

Paul Leeming
Director / Writer / Cinematographer / Actor
Visceral Psyche Films
www.visceralpsyche.com

REQUIREMENTS

1. Panasonic DMC-GH4 digital camera with firmware 2.3 or higher (V-Log L is REQUIRED).
2. 18% grey card for white balancing the camera.
3. Leeming LUT One™ (V-Log Edition) for the Panasonic GH4.

CAMERA SETUP FOR GH4 (V-Log)

1. Switch the top dial to Movie mode.
2. Press the Menu button and go to Motion Picture – Photo Style – V-Log L.
3. With V-Log L selected, adjust Sharpness to -3 (-5 if using native M43 lenses) and Noise Reduction to -5, then press Set.
4. Go to Rec Format and select MP4 (LPCM) or MOV, depending on your edit software (Davinci Resolve needs plain MP4 or MOV formats).
5. Go to Rec Quality and select 4K 100M 24P (or C4K 100M 24p if in Cinema mode).
6. Set Exposure Mode to M (manual).
7. Go to Highlight/Shadow and make sure they are both set to 0.
8. Make sure iDynamic and iResolution are set to OFF.
9. Check that Master Pedestal is set to 0 and that Luminance Level is set to 0-255.
10. Go to the Custom menu (second tab) and select Peaking On, then Set – High – Colour (green is my recommendation but whatever suits you best is fine).
11. Make sure Histogram and Highlight are ON.
12. Go to Zebra Pattern – Zebra 2, then go back into the Zebra Pattern menu and Set – Zebra 2 – 75%.

You are now ready to use Leeming LUT One™ (V-Log Edition) with the maximum picture quality available in the GH4. Be sure 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 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 .cube LUT format. It has been successfully tested with Adobe Premiere CC 2015, Davinci Resolve 12, Final Cut X (with a LUT plug-in) and Sony Vegas 13 (with a LUT plug-in).