

L e e m i n g L U T P R O

Camera Setup Guide:	OM System Olympus
Colour Space:	Rec709 gamma 2.4
Target Exposure:	ETTR
LUT Version:	Pro 4
Guide Version:	2025.11.24

INTRODUCTION

Thank you for purchasing Leeming LUT Pro™, the most accurate and professional Look Up Tables (LUTs) for your camera.

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 them 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 your camera. Anything less and I wouldn't have put my name on them!

Enjoy :)

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LICENCE

You are granted a personal licence to use Leeming LUT Pro™ on three devices. For use with more devices, please contact Visceral Psyche Films for bulk discount pricing. You may not upload the LUTs anywhere, share them with other people or incorporate them into other LUTs for derivative use (i.e. making creative LUTs using Leeming LUT Pro™ as the underlying base), whether they be for sale or not. Please respect the work that has gone into the LUTs and support those supporting you.

COMPATIBILITY

Leeming LUT Pro™ is compatible with any software or hardware device that supports a 33x33x33 cube LUT.

REQUIREMENTS

1. OM System or Olympus camera with OM-Log400, HLG or ProResRAW.
2. Spectrally neutral white or grey card, for white balancing the camera.
3. Leeming LUT Pro 4 – OM System Olympus.

NOTE: Items highlighted in yellow have an adverse effect on LUT accuracy if changed away from the recommended values in this guide.

QUICK REFERENCE OF IMPORTANT CAMERA SETTINGS

The settings below are recommended for the LUTs to work properly, in conjunction with an accurate white balance and using the ETTR zebras to show where the highlights of an image are clipping.

If you deviate from these settings, your colorimetry and luma curves won't match precisely to Rec709 and you may get other errors in your footage. You can find the details of how to set these in the next section.

	OM-Log400	HLG	ProResRAW ¹
Zebras Level 1	105%	105%	105%
Video Codec	H.265	H.265	N/A
View Assist	OFF	N/A	N/A
Noise Filter	OFF	OFF	OFF

¹ Process ProResRAW footage using the S-Log3 / S-Gamut3.Cine option in your editing software for the LUT to work correctly.

FULL CAMERA SETUP GUIDE

Based on the OM-3.

1. Set the camera in Movie mode and use the Manual exposure dial option for full control over your parameters.
2. Press the Menu button and go to the Video section, then go to Separate Settings and tick all options so that your video parameters are kept separate to your photo parameters.
3. Set Video Codec to H.265 for the best quality video. Set the video parameters to Size to 4K, FrameComp to LongGOP and FrameRate to 23.98p. Set Picture Mode to OM-Log400 for best quality if not recording externally via HDMI to ProResRAW. Keep View Assist OFF as it will give a false sense of exposure compared to ETTR shooting.
4. Set WB to Custom1, then point your camera at your white target and press INFO to register the correct white balance.
5. Set ISO-Auto OFF for more consistent results for ETTR shooting. Set Noise Filter OFF as this is best done in post-production where you have better control.
6. Set HDMI Output Mode to Record for monitoring a clean image, or set RAW if you have a ProResRAW capable recorder (NOTE: the camera will not record internally in this mode). Set REC Bit ON and Timecode ON to have those parameters feed into your monitor/recorder and automatically start/stop based on your camera start/stop button.
7. Set Zebra Pattern Settings ON, then set Level 1 as per the table above depending on your chosen picture mode. Leave Level 2 OFF.
8. I recommend setting Red Frame during REC to ON as visual confirmation.
9. In the Spanner/Wrench menu, go to HDMI Settings and set Output Size to 4K or as desired, and Output Frame Rate to either 60p or 50p depending on your local standards.
10. I recommend setting Sleep, Auto Power Off and Quick Sleep mode all to OFF.

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 LUTs to your footage:

www.LeemingLUTPro.com

ATOMOS NINJA V / BLACKMAGIC VIDEO ASSIST 12G RECORDER SETUP

The LUTs are compatible with external monitors and recorders which use the 33x33x33 cube format.

	OM-Log400	HLG	ProResRAW ¹
Zebras LUT On	100%	95%	N/A
Zebras LUT Off	105%	100%	90%
Log/HDR	OFF	OFF	ON
Camera	Standard	Standard	OMSYSTEM
Gamma	Rec709	Rec709	Linear
Gamut	Rec709	Rec709	OMSYSTEM RAW
HDR Auto	OFF	OFF	OFF
Legalize	ON	ON	N/A
HDMI Trigger	ON	ON	ON
Timecode	HDMI	HDMI	HDMI

¹ Due to the OM System RAW not being supported in editing software, there's no way to build a LUT for monitoring purposes.

HARDWARE / SOFTWARE QUIRKS AND BUGS

1. ProResRAW has line artifacting at higher ISOs – this is inherent in the recording and not the fault of the LUTs.
2. Due to OM System RAW not being an option in either Final Cut Pro X or DaVinci Resolve as of the writing of this guide, I have elected to use the S-Log3 / S-Gamut3.Cine log conversion as the baseline for processing, so please use that option when modifying the RAW parameters in your editing software before applying the ProResRAW LUT.

GUIDE CHANGELOG

2025.11.24 Initial release.