



Production Technology Support

CAMERA PRODUCTION GUIDE | **Panasonic DC-BGH1**

Settings and best-practices for capture with the DC-BGH1 on Netflix 4k Originals.

If you have any questions or comments please contact: prodtech.support@netflix.com

Current Panasonic DC-BGH1 Ops Manual: [HERE](#)

CAPTURE SETTINGS | **MOV 4:2:2/10-Bit/ALL-I**

SETTING	MENU	SELECTION
SYSTEM MODE	 Video Tab →  Rec Quality →	.MOV 4096 x 2160 or 3840x2160
LOG ENCODING/ COLOR SPACE	 Video Tab →  Photo Style →	V-Log L
CODEC	 Video Tab →  Rec Quality →	422/10bit/ALL-I 400 Mbps
Crop Options	 Video Tab →  Image Area of Video →	Full, Pixel/Pixel

NOTE: To access All-I CODECs, use REC. File Format MOV. Access via the Movie Camera Tab, Rec. File Format Menu

Recommended Exposure Values for V-Log L

Input Reflection	0% Black	18% Grey	90% White
V-LOG	7.3 IRE	42 IRE	61 IRE



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STABILIZATION SETTINGS | **Video Tab** / **Others (Video) Menu**

SETTING	SETTING MEANING	Options
Operation Mode	Turning In-Lens Stabilization on or off	 (on) or Off
E-Stabilization (Video)	Crops the image slightly and uses the available sensor area for further electronic stabilization	ON or OFF



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Anamorphic Production

SETTING	Menu	Selection
Anamorphic 4:3 Capture	 Video Tab →  Rec Quality →	Academy 4:3 → 4K-A/60p/420/8-L 4K-A/30p/422/10-I 4K-A/24p/422/10-I
Anamorphic Desqueeze Monitoring	 Custom Tab →  Anamorphic DeSqueeze →	2.0x 1.8x 1.5x 1.33x 1.30x OFF
Video Frame marker	 Video Tab →  Video Frame marker →	2.39:1 2.35:1 2.00:1 1.85:1 16:9



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Image Filtration and Compensation

SETTING	Menu	Selection
Diffraction Compensation * Only Available with Native m4/3 mount active lenses * Netflix advises this should be turned off	 Video Tab →  Diffraction Compensation →	ON or OFF
Vignetting Compensation * Only Available with Native m4/3 mount active lenses * Netflix advises this should be turned off	 Video Tab →  Vignetting Comp →	ON or OFF



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HIGH SPEED | **4:2:2/10-Bit UNCOMPRESSED HDMI OUTPUT**

CODEC	MAX FPS	MAX RESOLUTION
With an external recorder	60fps	4096 x 2160 or 3840x2160 422/ 10BIT

NOTE: in the Movie camera Tab, Image Format menu, Rec Quality: Select 4K or C4K 59.94p 420/10bit/long GOP

NOTE: In the Setting (wrench/spanner) Tab, IN/OUT menu, Info Display (HDMI/SDI) select SDI for a clean HDMI output or you can select the fn1 button to switch menu over HDMI to off.

OPTIMIZING PERFORMANCE | **MAINTENANCE PROCEDURES**

SETTING	MENU	STANDARD OPERATING PROCEDURE
Pixel Refresh	 Setup Tab →  Others 1 →	Panasonic recommends yearly Pixel Refresh of the BGH1. Can be done sooner if needed.
Firmware Version	 Setup Tab →  Others 1 →	Compare FW version to latest version. Can be updated from this menu. https://av.jpn.support.panasonic.com/support/global/cs/dsc/download/index.html



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Time Code/Genlock

Step 3: Set TC options in Menu



Video Tab →



Time Code →

External TC Settings

TC Synchronization: TC IN or TC OUT

Step 3: Set Genlock options in Menu



Video Tab →



Genlock →

External Genlock Settings

Genlock Input: On or Off

Horizontal Phase Adjustment: -206 to +49