

LUMIX BGH1

LONG TITLE

Panasonic LUMIX BGH1 4K Cinema Box Camera, Micro Four Thirds with Livestreaming (DC-BGH1)

SHORT TITLE

Panasonic LUMIX BGH1, 4K Cinema Box Camera with Livestreaming (DC-BGH1)

SUGGESTED "HIDDEN" KEYWORDS

z cam zcam professional video camera
black magic cinematography drones
lightweight mirrorless dslr full frame
vlogging documentaries film youtube
6k 4k v-log gh5 s1h micro four thirds

EXTENDED KEY USP (5)

- **A BOX CAMERA PERFECT FOR LIVESTREAMS, BROADCASTS AND CINEMA:** The high-performance BGH1 is small and light, with expandability and multi-camera control with Wi-Fi, PoE+ and 3G-SDI.
- **ASTONISHING IMAGE QUALITY:** Camera provides superior low-light performance using a high sensitivity, 10.2MP Live MOS Micro Four Thirds sensor with Dual Native ISO technology to minimize noise.
- **EXCEPTIONAL VIDEO CAPABILITY:** C4K/4K 60p 4:2:0 10-bit, 4:2:2 30p 10-bit ALL-Intra 400Mbps recording, V-Log L with 13 stops of dynamic range
- **PROFESSIONAL-LEVEL FEATURES:** 10-bit internal recording ensures rich data and smooth gradation, with the option of simultaneous live output over HDMI or 3G-SDI. Supports Anamorphic recording, Genlock IN/Timecode IN/OUT and unlimited recording on all settings.
- **REMOTE CONTROL:** Control of multi BGH1 cameras remotely via Ethernet with LUMIX Tether App while supplying power via PoE+. Control both by the app and with SDK is also available via USB-C.

SHORT KEY USP (6)

- 10.2MP Live MOS M4/3rds sensor with Dual Native ISO for low-light performance
- C4K/4K 60p 10-bit video recording
- Unlimited video recording offered on all settings
- Pre-installed V-Log L with 13 stops of dynamic range and anamorphic support
- Genlock IN/Timecode IN/OUT functions for multi-angle synchronized video
- Multiple connections: USB-C, HDMI Type A ,3G- SDI, Wi-Fi and PoE+ for maximum versatility

GENERAL DESCRIPTION

For cinematic productions, broadcasting or live streaming, LUMIX wants you to think inside the box! The LUMIX BGH1 is an exceptionally lightweight and easy-to-install box camera whose arrival is timed perfectly, against a backdrop of increasing need for top-quality streaming solutions in addition to traditional broadcasting and cinema production. The LUMIX BGH1 offers unprecedented versatility, perfect for shooting on drones/ gimbals and vehicles, IP remote control, live streaming and more. Its high degree of expandability allows for multi-camera control and its extensive interchangeable lens lineup is based on the Micro Four Thirds System. Crystallizing all technologies Panasonic has ever acquired through the development of professional cinema cameras, camcorders and the LUMIX GH series, the LUMIX BGH1 is a camera to inspire content creators and bring your work to the next level.

The LUMIX BGH1 integrates a High Sensitivity 10.2-megapixel Live MOS Sensor with Dual Native ISO technology, offering two circuits of separate native ISO to minimize noise generation. As a result, a maximum recording at ISO 51200 is realized. The camera enables 10-bit C4K 60p internal video recording with pre-installed V-Log L with 13 stops of dynamic range. It is also capable of C4K 4:2:2 10-bit output over HDMI. The VFR (Variable Frame Rate) lets you record overcranked / undercranked video in C4K/4K (60 fps, maximum 2.5x slower in 24p) and FHD (240 fps, maximum 10x slower in 24p)*. A new heat dispersion structure with integrated fan allows unlimited video recording, with the body frame composed of aluminum and magnesium alloy to realize both durability and light weight.

Stream images, control and power the BGH1 with Power over Ethernet+ (PoE+) for simple installations. Control of up to maximum 12 BGH1 cameras, depending on the environment and PC performance, using the Panasonic LUMIX Tether for Multicam**. With future firmware update, it will support wired IP streaming (RTP/RTSP). SDK*** is available to enable the custom control via USB, and in addition to USB-C 3.1 Type-C, a 3G-SDI and an HDMI Type A terminal are equipped, which can be used for simultaneous output. Moreover, Genlock IN/ Timecode IN/OUT functions which enable multi-angle synchronized video recording are available to build a scalable system with external monitors, rigs and gimbals supplied from other manufacturers.

* The angle of view is reduced when the frame rate is set to 201 fps.

**LUMIX Tether for Multicam will be released when the BGH1 goes on sale.

***The SDK will be released for the owners of compatible LUMIX cameras (BGH1, S1, S1R, S1H, S5, GH5S, GH5, G9) at following site <https://panasonic.jp/support/global/cs/soft/tool/sdk.html> on 14 October, 2020.

EXTENDED WEB CONTENT

DC-BGH1_A4A_Aplus_01

Unbox Your Creativity

Box-Style mirrorless cinema and live camera featuring C4K 60p/50p, 10-bit video recording.

DC-BGH1_A4A_Aplus_02

10.2MP Live MOS Sensor with Dual Native ISO

The LUMIX BGH1 features a 10.2MP Live MOS sensor with Dual Native ISO technology for outstanding low-light video performance.

DC-BGH1_A4A_Aplus_03

Wide Dynamic Range of 13 Stops with V-Log L

The LUMIX BGH1 features a wide dynamic range of 13 stops with V-Log L, while color graders can utilize the same LUTs they use with V-Log.

DC-BGH1_A4A_Aplus_04

C4K/4K 60p/50p 10-bit Internal/External Recording

Simultaneous C4K/4K 60p/50p 4:2:0 10-bit internal recording and C4K/4K 60p/50p 4:2:2 10-bit HDMI Live Output external recording are supported.

DC-BGH1_A4A_Aplus_05

A LUMIX First: Simultaneous SDI/HDMI Output

You can simultaneously monitor SDI output, record HDMI externally, and control the camera remotely via USB or LAN tethering.

DC-BGH1_A4A_Aplus_06

Heat Management = Unlimited Recording

The finest LUMIX heat-dissipation technology is applied to enable a compact, lightweight body with unlimited video recording in all shooting modes.

DC-BGH1_A4A_Aplus_07

Remote Control with LUMIX Tether for Multicam

Multiple camera recording enabled by Ethernet cable connection on LUMIX Tether for Multicam software* enables more efficient video production even at live streaming events.

*LUMIX Tether for Multicam will be released when the BGH1 goes on sale.