



Panasonic LUMIX DC-GH5M2E

ProdCode: PANDCGH5M2E

Hybrid mirrorless camera featuring live streaming capability and C4K 60p/50p 10-bit video recording

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Features

- Hybrid mirrorless camera featuring live streaming capability and C4K 60p/50p 10-bit video recording
- 20.3-megapixel Digital Live MOS sensor with anti reflection coating
- C4K/4K 60p/50p 10-bit internal/external simultaneous recording
- C4K/4K 30p/25p/24p 4:2:2 10-bit video, V-Log L and unlimited recording time
- Wireless live streaming
- Advanced Body I.S. (Image Stabiliser) enable a 6.5-stop slower shutter speed
- 3.0-inch free-angle Touch LCD with a 3:2 aspect ratio and high resolution of 1840K dots
- Double SD memory card slot

The LUMIX GH5M2 is a Micro Four Thirds mirrorless camera that boasts outstanding video performance evolved from the renowned GH5.

The LUMIX GH5M2 achieves C4K^{*1}/4K 60p 4:2:0 10-bit unlimited^{*2} video recording and can simultaneously output 4K 4:2:2 10-bit over HDMI. It is capable of wireless live streaming in FHD/60p via the simple-to-use LUMIX Sync smartphone app, or by connecting directly to a Wi-Fi router. In addition, it will receive a future firmware update to add RTP/RTSP wired IP streaming^{*3}.

The 20.3-megapixel Digital Live MOS Sensor with AR (Anti-Reflective) coating captures details cleanly and drives excellent lens performance. The image processor has also been updated to use the latest high-speed and high-performance Venus Engine.

To achieve stable handheld shooting, the Body I.S. (Image Stabiliser) in the LUMIX GH5M2 is now even more advanced, making it possible to use a 6.5-stop slower shutter speed^{*4}. With the adoption of the latest algorithm developed for the S1H, video recording is smooth and stable even when the camera is in motion.

A 3.0-inch free-angle LCD with a 3:2 aspect ratio and high resolution of 1840K dots provides touch control. Compared to the GH5, the LCD features higher luminosity and superior colour reproduction to ensure high visibility outdoors.

1. Corresponding to 4K (4096×2160) as defined by Digital Cinema Initiatives (DCI).
2. On condition that the camera is under the environment where the operation is guaranteed and is running on the battery. Recording time depends on the capacity of the battery and the SD Memory Card. Recording may stop in C4K/4K 60p 10-bit and Anamorphic mode automatically to protect the camera.
3. 16Mbps cannot be selected when the RTMPS URL is set.
4. Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=60mm (35mm camera equivalent f=120mm) when H-ES12060 is used.

Wireless live streaming with minimal equipment

High-quality live streaming is possible both indoors and outdoors with minimal equipment: just the LUMIX GH5M2 and a smartphone with the LUMIX Sync app. In compliance with the RTMP/RTMPS protocol using the H.264 codec, a maximum resolution/framerate of FHD/60p at 16Mbps^{*1} is supported.

For wired live streaming, the dedicated LUMIX Webcam Software is available for free download.

Live streaming to the platforms that comply with RTMP/RTMPS is basically possible (Compatibility with all the platforms is not guaranteed.) There may be the cases where the live streaming is not possible when the service of the platform changes. For more information, please refer to the terms and conditions of the platform.

1. 16Mbps cannot be selected when the RTMPS URL is set.

High quality video performance

The LUMIX GH Series features outstanding video performance for professional videography and the LUMIX GH5M2 is no exception, capable of unlimited video recording in a variety of settings. When shooting video, the GH5M2's entire sensor area is used, enabling the user to record uncropped video from the original viewing angle of the lens. Video recording options are vast, offering internal recording up to 4K 60p and 4:2:2 10-bit 30p, or 4K/6K Anamorphic modes.

To deliver high dynamic range and a broad colour spectrum, V-Log L is pre-installed in the camera, making it easy to match the colour tone with footage recorded in the S1H/S1's V-Log and the GH5/GH5S's V-Log L. V-Log L renders a very flat image while retaining all its colour information, which is a great benefit in post-production processing. For users who prefer to have a starting point for post-processing, there are 35 compatible conversion LUTs for VariCam cinema cameras available for free download. Practical tools like a Waveform Monitor and V-Log View Assist are also part of the GH5M2's on-board video toolkit.

Like the S1H video flagship camera of the S Series, the LUMIX GH5M2 provides two types of Cinelike gamma presets in the Photo Style menu. These modes create impressive looks with warm skin tones or delicate nuances of light and shadow even without colour grading over V-Log footage. The Cinelike D2 preset gives priority to dynamic range, while Cinelike V2 prioritizes contrast. L.Monochrome S and L.Classic Neo have also been added. All these presets are also available in Anamorphic mode.

In VFR (Variable Frame Rate) recording, C4K/4K 60fps, Anamorphic 50fps and FHD 180fps are available. AF can be set before starting VFR recording.

A reliable tool for professionals

Tough enough to withstand heavy field use, the LUMIX GH5M2's full die-cast front/rear frame is composed of a magnesium alloy and the body is splash, dust, and freeze resistant* down to -10 degrees Celsius. The shutter unit is also durable for

approximately 200,000 cycles.

To further support use outdoors, the camera boasts a new high-capacity 2200mAh battery (DMW-BLK22) that complies with USB PD (Power Delivery) and can be recharged via AC or USB. The LUMIX GH5M2 is equipped with a double SD memory card slot compatible with V90-classified, high-speed, high-capacity UHS-II cards for Relay, Backup and Allocation Recording.

With the advanced free-angle touch LCD, users can utilise the frame marker function to check the composition during recording in various common aspect ratios such as in the EVF clearly signals whether the camera is recording, while a new blue indicator shows when the camera is streaming.

*Splash Resistant is a term used to describe an extra level of protection this camera offers against exposure to a minimal amount of moisture, water or dust. Splash Resistant does not guarantee that damage will not occur if this camera is subjected to direct contact with water.

