

# DC-GH6 Specifications

Type	Digital Single Lens Mirrorless camera	
Lens mount	Micro Four Thirds mount	
Image sensor	Live MOS sensor (17.3 x 13.0 mm)	
Camera effective pixels	25.21 megapixels	
AR (Anti Reflection) coating	Yes	
Dust reduction system	Image sensor shift type	
Still image	File format	JPEG (DCF, Exif 2.31), RAW
	File size (pixels)	5776x4336(L) / 4096x3072(M) / 2944x2208(S) 11552x8672(XL)* / 8192x6144(LL)* *High Resolution mode
Motion picture	File format	MOV: H.264/MPEG-4 AVC, H.265/HEVC, ProRes MP4; H.264/MPEG-4 AVC, H.265/HEVC
	Audio format	MOV: LPCM (2ch 48kHz/24-bit, 96kHz/24-bit *) (4ch 48kHz/24-bit *, 96kHz/24-bit *), MP4: AAC (2ch 48kHz/16-bit)
Latitude	Dynamic Range Boost ON: 13+ stops (V-Log) Dynamic Range Boost OFF: 12+ stops (V-Log)	

Focus type <sup>*3</sup>	Contrast AF system with DFD technology	
ISO sensitivity (standard output sensitivity)	Still image	Normal: Auto / 50 (Extended ISO) / 100-25600 V-Log: Auto / 125 (Extended ISO) / 250-12800
	Motion picture	Dynamic Range Boost OFF Normal (Base ISO 100): Auto / 50 (Extended ISO) / 100-12800 V-Log (Base ISO 250): Auto / 125 (Extended ISO) / 250-12800 Hybrid Log Gamma (Base ISO 250): Auto / 250-12800 Dynamic Range Boost ON (Creative Video mode) Normal (Base ISO 800): Auto / 800-12800 V-Log (Base ISO 2000): Auto / 2000-12800 Hybrid Log Gamma (Base ISO 2000): Auto / 2000-12800
Image stabilization system	B.I.S.	5-axis / 7.5-stop* *Based on the CIPA standard (Yaw/Pitch direction: focusing distance f=60mm (35mm camera equivalent f=120mm) when H-ESI2060 is used.
	Dual I.S. 2	7.5-stop* *Based on the CIPA standard (Yaw/Pitch direction: focusing distance f=140mm (35mm camera equivalent f=280mm) when H-FS14140 is used.
Shutter speed	Still image: Bulb (Max. 30 min.), 1/8,000 - 60 Electronic front curtain shutter: Bulb (Max. 30 min.), 1/2,000 - 60 Electronic shutter: Bulb (Max. 60 sec), 1/32,000 - 60 Motion picture: 1/25,000 - 1/25 Creative Video M mode / Mf mode: 1/25,000 - 1/8	

Motion picture recording mode						HLG	VFR	59.94Hz	50.00Hz	24.00Hz	
ProRes <sup>*4 *5</sup>	5.7K	5728x3024 (17:9)	ProRes 422 HQ			-	-	29.97p (1.9Gbps) / 23.98p (1.5Gbps)	25.00p (1.66bps)	24.00p (1.56bps)	
			ProRes 422			-	-	29.97p (1.3Gbps) / 23.98p (1.0Gbps)	25.00p (1.16bps)	24.00p (1.06bps)	
MOV <sup>*4 *5</sup>	5.8K	5760x4320 (4:3)	4:2:0 10-bit	LongGOP	H.265/HEVC	200Mbps	Yes	-	29.97p / 23.98p	25.00p	24.00p
			4:2:0 10-bit	LongGOP	H.265/HEVC	300Mbps	Yes	-	59.94p / 47.95p (HFR)	50.00p	48.00p (HFR)
	5.7K	5728x3024 (17:9)	4:2:0 10-bit	LongGOP	H.265/HEVC	200Mbps	Yes	Yes	29.97p / 23.98p	25.00p	24.00p
			4:2:0 10-bit	LongGOP	H.265/HEVC	300Mbps	Yes	-	59.94p / 47.95p (HFR)	50.00p	48.00p (HFR)
	4.4K	4352x3264 (4:3)	4:2:0 10-bit	LongGOP	H.265/HEVC	300Mbps	Yes	-	59.94p / 47.95p (HFR)	50.00p	48.00p (HFR)
			4:2:2 10-bit	ALL-Intra	H.264	800Mbps	Yes	-	59.94p / 47.95p (HFR)	50.00p	-
	C4K 4K	4096x2160 3840x2160	4:2:2 10-bit	ALL-Intra	H.264	600Mbps	Yes	-	59.94p / 47.95p (HFR)	50.00p	-
			4:2:2 10-bit	ALL-Intra	H.264	400Mbps	Yes	Yes	29.97p / 23.98p	25.00p	24.00p
			4:2:0 10-bit	LongGOP	H.265/HEVC	300Mbps	Yes	-	119.88p (HFR) <sup>*6</sup>	100.00p (HFR) <sup>*6</sup>	120.00p (HFR) <sup>*6</sup>
			4:2:2 10-bit	LongGOP	H.264	200Mbps	Yes	-	59.94p / 47.95p (HFR)	50.00p	-
			4:2:0 10-bit	LongGOP	H.265/HEVC	200Mbps	Yes	Yes	59.94p	50.00p	-
			4:2:0 10-bit	LongGOP	H.265/HEVC	200Mbps	Yes	-	47.95p (HFR)	-	-
			4:2:2 10-bit	LongGOP	H.264	150Mbps	Yes	-	29.97p / 23.98p	25.00p	24.00p
			4:2:0 10-bit	LongGOP	H.265/HEVC	150Mbps	Yes	Yes	29.97p / 23.98p	25.00p	24.00p
			4:2:2 10-bit	ALL-Intra	H.264	800Mbps	Yes	-	239.76p (HFR) <sup>*6 *7</sup>	200.00p (HFR) <sup>*6 *7</sup>	-
			4:2:2 10-bit	ALL-Intra	H.264	400Mbps	Yes	-	119.88p (HFR) <sup>*6</sup>	100.00p (HFR) <sup>*6</sup>	120.00p (HFR) <sup>*6</sup>
	FHD	1920x1080	4:2:2 10-bit	ALL-Intra	H.264	200Mbps	Yes	Yes	59.94p / 29.97p / 23.98p	50.00p / 25.00p	24.00p
			4:2:2 10-bit	ALL-Intra	H.264	200Mbps	Yes	-	47.95p (HFR)	-	-
4:2:2 10-bit			LongGOP	H.264	200Mbps	Yes	-	239.76p (HFR) <sup>*6 *7</sup>	200.00p (HFR) <sup>*6 *7</sup>	-	
4:2:0 10-bit			LongGOP	H.265/HEVC	200Mbps	Yes	-	239.76p (HFR) <sup>*6 *7</sup>	200.00p (HFR) <sup>*6 *7</sup>	-	
4:2:2 10-bit			LongGOP	H.264	150Mbps	Yes	-	119.88p (HFR) <sup>*6</sup>	100.00p (HFR) <sup>*6</sup>	120.00p (HFR) <sup>*6</sup>	
4:2:0 10-bit			LongGOP	H.265/HEVC	150Mbps	Yes	-	119.88p (HFR) <sup>*6</sup>	100.00p (HFR) <sup>*6</sup>	120.00p (HFR) <sup>*6</sup>	
4:2:2 10-bit			LongGOP	H.264	100Mbps	Yes	-	59.94p / 47.95p (HFR) / 29.97p / 23.98p	50.00p / 25.00p	24.00p	
4:2:0 10-bit			LongGOP	H.265/HEVC	100Mbps	Yes	Yes	59.94p / 29.97p / 23.98p	50.00p / 25.00p	24.00p	
4:2:0 10-bit			LongGOP	H.265/HEVC	100Mbps	Yes	-	47.95p (HFR)	-	-	
4:2:2 10-bit			ALL-Intra	H.264	100Mbps	Yes	-	59.94i	50.00i	-	
MP4 <sup>*4</sup>	4K	3840x2160	4:2:0 10-bit	LongGOP	H.265/HEVC	100Mbps	Yes	-	59.94p	50.00p	-
			4:2:0 10-bit	LongGOP	H.265/HEVC	72Mbps	Yes	-	29.97p / 23.98p	25.00p	-
			4:2:0 8-bit	LongGOP	H.264	100Mbps	-	-	29.97p / 23.98p	25.00p	-
	FHD	1920x1080	4:2:0 8-bit	LongGOP	H.264	28Mbps	-	-	59.94p	50.00p	-
			4:2:0 8-bit	LongGOP	H.264	20Mbps	-	-	29.97p	25.00p	-
			4:2:0 8-bit	LongGOP	H.264	24Mbps	-	-	23.98p	-	-

USB	USB Type-C (SuperSpeed USB 10Gbps (USB 3.2 Gen2))	
HDMI <sup>*8</sup>	HDMI TypeA	
Remote input	φ2.5mm	
Audio	Build-in microphone	Stereo
	External microphone	φ3.5mm for external microphone / external audio device
	XLR microphone	Yes with DMW-XLR1 (sold separately)
	4ch mic input	Yes with DMW-XLR1 (sold separately)
	Speaker	Monaural
Headphone output	φ3.5mm	
Card slot	Slot 1: CFexpress Card (CFexpress Type B) Slot 2: SD/SDHC*/SDXC Memory Card* *Compatible with UHS-I/UHS-II UHS Speed Class 3 standard SDHC/SDXC Memory Cards and UHS-II Video Speed Class 90 standard SDXC Memory Cards.	
TC IN/OUT	Yes with BNC Converter Cable (bundled)	
Wi-Fi	2.4GHz (STA/AP) (IEEE802.11b/g/n) / 5GHz (STA) (IEEE 802.11a/n/ac)	
Bluetooth	Bluetooth® v5.0 (Bluetooth Low Energy (BLE))	

Battery	Li-ion Battery Pack (7.2V, 2200mAh, 16Wh) (bundled) USB power supply, USB power charging, USB power delivery	
Battery life (CIPA standard)	CFexpress card	Approx. 350 images, 800 images (Power Save LVF mode <sup>*9</sup> ) with H-FS12060 / DMW-BLK22
	SD memory card	Approx. 380 images, 900 images (Power Save LVF mode <sup>*9</sup> ) with H-FS12060 / DMW-BLK22
Continuous recordable time (motion picture) <sup>*4</sup>	CFexpress card	MP4 [4K/60p]: Approx. 80 min with H-FS12060 MP4 [FHD/60p]: Approx. 90 min with H-FS12060
	SD memory card	MP4 [4K/60p]: Approx. 90 min with H-FS12060 MP4 [FHD/60p]: Approx. 100 min with H-FS12060
Actual recordable time (motion picture) <sup>*4</sup>	CFexpress card	MP4 [4K/60p]: Approx. 40 min with H-FS12060 MP4 [FHD/60p]: Approx. 45 min with H-FS12060
	SD memory card	MP4 [4K/60p]: Approx. 45 min with H-FS12060 MP4 [FHD/60p]: Approx. 50 min with H-FS12060
Dimensions (W x H x D) (approx.)	138.4 x 100.3 x 99.6 mm / 5.45 x 3.95 x 3.92 inch (excluding protrusions)	
Weight (approx.)	823g / 1.81 lb (SD Memory Card x 1, Battery, Body) 739g / 1.63 lb (Body only)	
Operating temperature / humidity	-10°C to 40°C (14°F to 104°F) / 10%RH to 80%RH	

\*1 When attaching φ3.5mm microphone or DMW-XLR1 (sold separately). \*2 When attaching DMW-XLR1 (sold separately). \*3 About AF •Continuous AF is not available for High Frame Rate video shooting above 120p (200p or 240p). It will be the AFS operation for 1-Area AF. 200p High Frame Rate video shooting requires a firmware update for the compatible lens. •Automatic Detection is not available for High Frame Rate video shooting above 60p (110p or 120p). •Tracking and Automatic Detection are not available when using HDMI cable or USB connection cable for High Frame Rate video shooting (110p or 120p) above 60p. \*4 About motion picture recording •The cards that can be used for recording vary depending on the motion pictures bit rate and format type (Motion pictures with 72Mbps or less: CFexpress card, SD memory card with SD Speed Class with Class 10 or Video Speed Class 10 or higher, Motion pictures with 200Mbps or less: CFexpress card, SD memory card with UHS-I / UHS-II UHS Speed Class 3 (U3) or Video Speed Class 30 or higher, Motion pictures with 400Mbps or less: CFexpress card, SD memory card with Video Speed Class 60 or higher, Motion pictures with 600Mbps or less: CFexpress card, SD memory card with Video Speed Class 90, Motion pictures with 800Mbps or more, variable frame rate with ALL-Intra, or ProRes: CFexpress card) •A new file will be created to continue recording if the continuous recording time exceeds the following conditions (Motion pictures with less than 72Mbps: 30 minutes, Motion pictures with 72Mbps or more: 3 hours 4 minutes) •A new file will be created to continue recording if the file size exceeds the following conditions (MP4 in FHD: 4GB, MP4 in 4K: 96GB, MOV in 600Mbps or less: 192GB, MOV in 800Mbps: 40GB, ProRes in 5.7K: 64GB) •If the resolution is higher than C4K, the frame rate is higher than 60p or set to ProRes, the camera may stop the recording to protect itself. Wait until the camera cools down. \*5 High-res audio is selectable only when attaching φ3.5mm microphone or DMW-XLR1 (sold separately). \*6 When Dynamic Range Boost is set to OFF. \*7 When Image Area of Video is set to FULL. \*8 To output motion pictures with 4K or higher, use an Ultra High Speed HDMI cable (Type A-Type A plug, up to 1.5 m (4.9 feet) long). \*9 Using a Lexar CFexpress Type B card or a Panasonic SDXC memory card. Under the test conditions specified by Panasonic based on CIPA standard. When the time to get in the sleep mode is set to 1 sec. •The Micro Four Thirds™ name and logos are trademarks or registered trademarks of OM Digital Solutions Corporation in Japan, the United States, the European Union, and other countries and regions. •QuickTime and the QuickTime logo are trademarks or registered trademarks of Apple Inc., used under license therefrom. •USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. •The USB Type-C™ Charging Trident Logos are trademarks of USB Implementers Forum, Inc. •The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and other countries. •QR Code is a registered trademark of DENSO WAVE INCORPORATED. •Other trademarks and trade names are those of their respective owners. •Design, functions, and specifications are subject to change without notice. •Some sample images are simulated. •Some accessories are not available in some countries. •The use of recorded or printed materials that are protected by copyright for any purpose other than personal enjoyment is prohibited, as it would infringe upon the rights of the copyright holder.



For All Creators and Videographers

# A New Creative Dimension

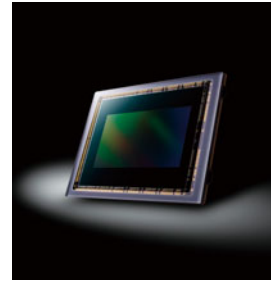


# LUMIX GH6

# Innovative Technologies Create a New Generation of Imaging

## New 25.2MP sensor

The LUMIX GH6 features the first Micro Four Thirds™ system standard 25.2-megapixel Live MOS sensor. With no low-pass filter, its design allows for both more pixels and higher resolution, for ultra-realistic detail. Its higher readout speed delivers C4K/4K 120p video recording and 75-frames-per-second burst shooting using the electronic shutter while also minimizing rolling shutter distortion. •The Micro Four Thirds™ name and logos are trademarks or registered trademarks of OM Digital Solutions Corporation in Japan, the United States, the European Union, and other countries and regions.



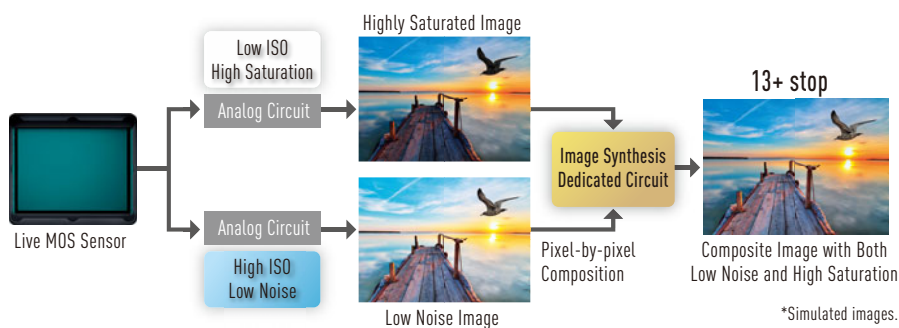
## The LUMIX G series' largest dynamic range V-Log/V-Gamut

12+ stops V-Log/V-Gamut come preinstalled. When Dynamic Range Boost mode is turned on, the dynamic range can be expanded to 13+ stops, the broadest range in the LUMIX G series. Users will enjoy impressively accurate color reproduction, subtle gradations from dark areas to highlights, and precise control of color data in post-production. The result is more creative and impressive color expression. Moreover, footage shot with the GH6 can be seamlessly edited with footage shot with other V-Log footage shot with VariCam and LUMIX S series, as well as V-Log L footage shot with LUMIX G series cameras. As a further convenience, for the first time, V-Log View Assist, which can apply LUTs in real time, supports the import of .CUBE as well as .VLT file formats.

•More on V-Log/V-Gamut and LUTs: [https://pro-av.panasonic.net/en/cinema\\_camera\\_varicam\\_eva/support/lut/index.html](https://pro-av.panasonic.net/en/cinema_camera_varicam_eva/support/lut/index.html)

## Dynamic Range Boost mode

Dynamic Range Boost mode\* acquires two types of images with a single exposure and synthesizes them in real time to create composite images with rich tonal range even in scenes with large luminance differences. This enables 13+ stop V-Log/V-Gamut recording.\*\* ON/OFF can be selected. \*Available in Creative Video mode only, at 60fps or less. \*\*Dynamic Range Boost ON: 13+ stops / Dynamic Range Boost OFF: 12+ stops



### Condition of use

Creative Video mode	
Standard	ISO800-12800 (Base ISO 800)
Cinelike D2 / V2	
Like709	
V-Log	ISO2000-12800 (Base ISO 2000)
Hybrid Log Gamma	

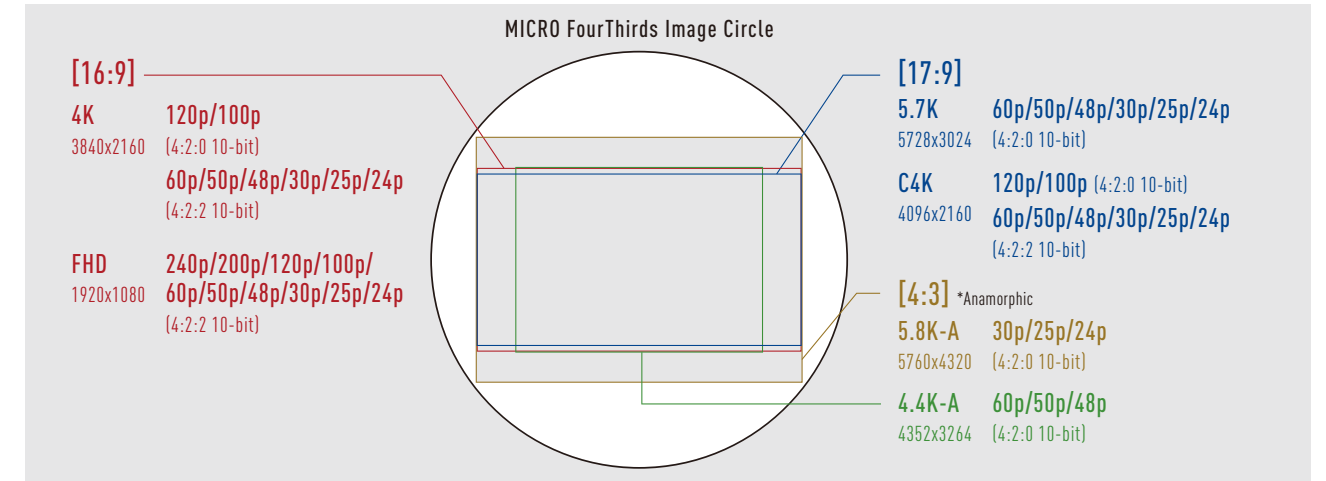
## New Venus Engine

The new Venus Engine delivers approximately twice the processing power as before, enabling high-speed processing of the new sensor's higher pixel counts and higher-resolution, higher-bit-rate video. Image quality performance is also greatly improved. New Intelligent Detail Processing offers higher resolution, and new 2D and high-performance 3D Noise Reduction (for videos) optimize noise reduction. The result is natural, highly realistic images with minimal noise even at high sensitivity. High-precision Dual 3D Color Control achieves improved color reproduction (brightness, saturation, and hue), resulting in more faithful and richer color expression.



# Innovative Video Performance Empowers Creative Expression

A wide range of video recording formats featuring croplless 10-bit recording



## Unlimited 4:2:2 10-bit C4K/4K 60p/50p video recording time

The first LUMIX to offer 4:2:2 10-bit C4K/4K 60p/50p internal recording, the GH6 delivers unlimited recording time\* when used at the recommended operating temperature\*\*. Ideal for small production teams and in demanding conditions where mobility and high-quality are a must. Also allows for simultaneous internal recording and external recording via HDMI output.

\*Under the guaranteed operating environment. When using a battery. The recording time depends on the capacity of the battery and the recording media. \*\*-10-40°C.  
•Corresponding to 4K (4096x2160) as defined by Digital Cinema Initiatives (DCI). •CFexpress card or an SD memory card with Video Speed Class 90 is required.

## HFR/VFR 10-bit recording

High-resolution slow-motion recording, recently gaining popularity in video production, is now made possible using C4K/4K 10-bit 120p/100p HFR (high-frame-rate) video recording with audio. The LUMIX GH6 also offers a wide range of 10-bit ALL-Intra recording modes for high-end editing, so you can shoot FHD 240p/200p HFR and FHD 240fps VFR (variable frame rate) video. With VFR you can record up to 12.5x super slow-motion video (FHD 10-bit 24p/300fps).

•Maximum output of sensor is 60fps when Dynamic Range Boost is set to ON.

HFR (high frame rate)			
MOV	59.94Hz (NTSC)	5.7K / 4.4K / C4K / 4K / FHD	47.95p
		C4K / 4K / FHD	119.88p
		FHD	239.76p
	50.00Hz (PAL)	C4K / 4K / FHD	100.00p
		FHD	200.00p
		24.00Hz (CINEMA)	5.7K / 4.4K
	C4K / 4K / FHD	120.00p	

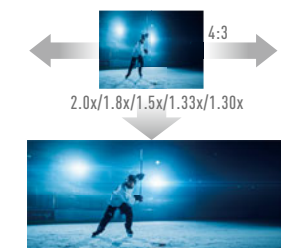
VFR (variable frame rate)		
MOV	C4K / 4K (LongGOP)	1 fps - 120 fps
	5.7K (LongGOP)	1 fps - 60 fps
	C4K / 4K (ALL-Intra)	
	FHD (LongGOP)	1 fps - 300 fps
	FHD (ALL-Intra)	1 fps - 240 fps

## 5.7K 10-bit 60p/50p recording

With 5.7K (5728x3024) 4:2:0 10-bit 60p/50p (17:9) mode, the LUMIX GH6 offers higher resolution and higher bit rates than ever before, and delivers the latest in high image quality, versatility, and expressive range needed for film, TV, and all types of video production.

## Anamorphic recording

4:3 aspect ratio anamorphic recording is key to LUMIX's impressive video performance. The LUMIX GH6 can capture 5.8K (5760x4320) 30p/25p/24p 4:2:0 10-bit high-resolution video. Designed to accommodate anamorphic lenses in a wide range of magnification rates, the GH6's Anamorphic Desqueeze Display function gives you the ability confirm the cinemascope-size image on a monitor while shooting.



# A LUMIX First: Apple ProRes 422 HQ Internal Recording

## ProRes codec video

Using a CFexpress Type B card, you can internally record ProRes 422 HQ and ProRes 422 codec videos, the professional industry standard, which deliver high image quality at low compression. This significantly reduces the load on the computer during post-production and allows NLE (non-linear editing) without transcoding, streamlining your workflow from start to finish. •Apple and ProRes are trademarks or registered trademarks of Apple Inc. in the United States and/or other countries.

59.94Hz (NTSC)	5.7K 5728x3024	29.97p	1.9Gbps (ProRes 422 HQ) 1.3Gbps (ProRes 422)	LPCM
		23.98p	1.5Gbps (ProRes 422 HQ) 1.0Gbps (ProRes 422)	
50.00Hz (PAL)		25.00p	1.6Gbps (ProRes 422 HQ) 1.1Gbps (ProRes 422)	
		24.00p	1.5Gbps (ProRes 422 HQ) 1.0Gbps (ProRes 422)	

## High bit-rate video recording

800 Mbps or higher bit-rates can be recorded internally to a CFexpress card in various formats to fit your application including ProRes 422 HQ and C4K 60p/50p 4:2:2 10-bit ALL-Intra. From the shoot to the post-production studio, it supports high-end video production.

## LongGOP (H.265/H.264)

LongGOP is a high-compression format that generates lower data volumes than ALL-Intra compression without compromising image quality, extending shooting durations. Select 8-bit recording for easy-to-handle MP4 or 10-bit MOV recording for high-end video editing.

## Double memory card slot

The LUMIX GH6 supports high-bit-rate video recording with a double memory card slot\* for a CFexpress Card (CFexpress Type B) and SD Memory Card (UHS-I/UHS-II UHS Speed Class 3, UHS-II Video Speed Class 90). This enables you to use different recording media depending on your shooting needs. \*For motion pictures with 800Mbps or more, variable frame rate with ALL-Intra, or ProRes, a CFexpress card is required. •Lexar, the Lexar logo, and all other Lexar trademarks are the property of Longsys Electronics (HK) Co., Ltd. or Shenzhen Longsys Electronics Co., Ltd. All other trademarks are property of their respective owners.



CFexpress Type B card

Main formats supported with CFexpress card recording		
59.94Hz (NTSC)	5.7K 29.97p 1.9Gbps ProRes 422 HQ	5.7K 29.97p 1.3Gbps ProRes 422
	5.7K 23.98p 1.5Gbps ProRes 422 HQ	5.7K 23.98p 1.0Gbps ProRes 422
	C4K 59.94p 800Mbps 4:2:2 10-bit	4K 59.94p 800Mbps 4:2:2 10-bit
	C4K 47.95p 800Mbps 4:2:2 10-bit	4K 47.95p 800Mbps 4:2:2 10-bit
50.00Hz (PAL)	FHD 239.76p 800Mbps 4:2:2 10-bit	
	5.7K 25.00p 1.6Gbps ProRes 422 HQ	5.7K 25.00p 1.1Gbps ProRes 422
	C4K 50.00p 800Mbps 4:2:2 10-bit	4K 50.00p 800Mbps 4:2:2 10-bit
	FHD 200.00p 800Mbps 4:2:2 10-bit	

Please check below for latest memory card compatibilities:  
[https://av.jpn.support.panasonic.com/support/global/cs/dsc/connect/sd/dc\\_gh6.html](https://av.jpn.support.panasonic.com/support/global/cs/dsc/connect/sd/dc_gh6.html)

## More features to be added in future firmware updates

- DCI4K ProRes 422 HQ / ProRes 422
- FHD ProRes 422 HQ / ProRes 422
- USB-SSD direct recording
- 4K 120p HDMI video output during live view
- DCI4K 120p HDMI RAW video data output to ATOMOS Ninja V+

# Superior Audio Recording Performance for Clear Sound

## 2ch 48kHz 24-bit recording with built-in microphone

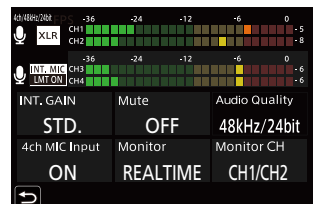
Record 2ch 48kHz 24-bit audio with the built-in microphone.\* The camera also features a built-in noise-sampling microphone that monitors noise emitted within the camera such as lens drive noise, and generates a real time in-phase signal for noise cancellation, enabling recording of clear audio in sync with video.

\*MOV and ProRes only.

## A LUMIX first: 4ch audio recording

The LUMIX GH6 delivers much improved audio recording performance, with 4ch 48kHz or 96kHz 24-bit recording possible\* when an XLR microphone adaptor DMW-XLR1 (sold separately) is attached. This GH6 gives you much greater flexibility when shooting outdoors, for example, where multiple audio sources are present, or when recording backup audio.

\*MOV and ProRes only.

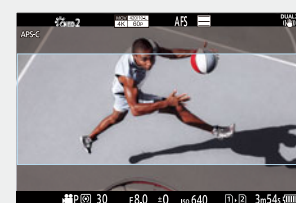


DMW-XLR1 (sold separately)

## A wide range of video recording assist functions



V-Log View Assist



### V-Log View Assist

The LUT in use is displayed in both the viewfinder and rear monitor images. When the LUT is applied to HDMI output, it can also be confirmed via an external monitor.

### Red Frame Indicator

A red border indicating video recording can be displayed around the frame, so you will always know the status, helping you to avoid mistakes. This feature can be turned ON or OFF.

### Frame Marker

Aspect ratio, color, and transparency of the frame mask can be set as desired.

### Safety Zone Marker

This function lets you check the areas that will be displayed reliably on the monitor or TV in advance and shoot with consideration for the position of the on-screen text and images.

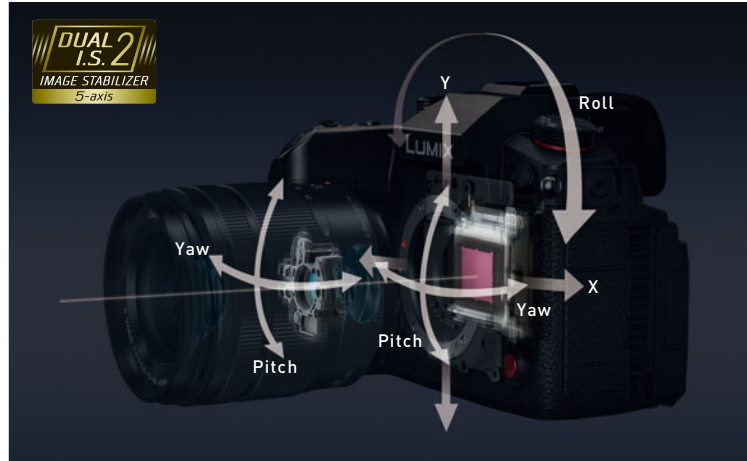
### Other assist functions

- Center Marker (4 types)
- Luminance Spot Meter
- Zebra Pattern
- Synchro Scan
- Enlarged Live Display (video)
- WFM (waveform monitor)
- Vector Scope
- Histogram
- Luminance Level
- Master Pedestal Level
- Time Code (TC IN/OUT)
- Kelvin values are displayed on the recording screen

# Advanced Fundamental Performance for a Variety of Production Domains

## 7.5-stop Dual I.S. 2

The LUMIX GH6's 5-axis Body Image Stabilizer (B.I.S.) delivers a compensation the equivalent of 7.5 stops\* in shutter speed. The 5-axis Dual I.S. 2 also ensures 7.5-stop\*\* compensation even at telephoto range, which is challenging to achieve with B.I.S. alone. This provides powerful support for hand-held shooting in difficult situations, from low-light to telephoto ranges. And the advanced latest algorithm provides smooth, natural compensation during video capture.



\*Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=60mm (35mm camera equivalent f=120mm) when H-ES12060 is used.] \*\*Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=140mm (35mm camera equivalent f=280mm) when H-FS14140 is used.]

## High-quality performance enhances photographic expression

### 100MP Handheld High-Resolution mode

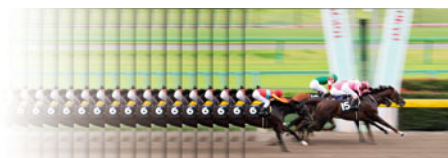
The LUMIX GH6's High Resolution mode supports hand-held shooting, using the B.I.S. (Body Image Stabilizer) mechanism to shift the sensor while capturing 16 consecutive images. Then, it selects the 8 steadiest shots and automatically synthesizes them into a 100-megapixel equivalent (11,552 x 8,672-pixel) file. This allows you to capture magnificent natural scenery and detailed works of art in ultra-high resolution without using a tripod. The GH6 supports RAW file recording, JPEG file recording, and RAW processing during playback, with quick access from the drive mode dial.

### Time lapse video with 4K 60p/50p

The LUMIX GH6 supports interval capture to create time lapse video in the camera body itself and is also capable of 4K 60p/50p. Still photos can also be shot with V-Log or Like709 for outstanding handling in post-production. Exposure smoothing takes place during processing, resulting in beautiful time lapse videos with smooth exposure changes.

### AFS 75fps burst shooting

Thanks to the new sensor's higher readout speed and new Venus Engine's superior processing power, the LUMIX GH6 delivers AFS burst shooting using the electronic shutter at 75 frames per second with 25.2-megapixel resolution. The sensor's higher readout speed also minimizes rolling shutter distortion and captures images too fast for the naked eye to process.



## Heat management for unlimited recording time

4:2:2 10-bit C4K/4K 60p/50p unlimited recording time.\* With a compact body equivalent to the GH5, the LUMIX GH6's optimized heat dissipation path and heat dissipation structure with forced cooling fan enables extended recording even when shooting at heavy loads (e.g. high-resolution video over 4K, HFR video, ProRes codec). \*When the resolution and frame rate are set to C4K/60p or lower. The camera may stop recording when used in a temperature that is lower or higher than the recommended operating temperature (-10 to 40 degrees). If the resolution is higher than C4K, the frame rate is higher than 60p or set to ProRes, the camera may automatically stop shooting to protect the camera body, even at recommended operating temperatures (-10 to 40 degrees).



# Mobility and Reliability for Improved Usability

## Superior operability for smoother shooting

The controls layout and interface are designed to enhance operability, and the unique tilt and free-angle monitor mechanism is easy to handle even with rigs and other peripheral equipment attached, so the quick and efficient operation need on location is delivered.



## Tough body for a wide range of weather conditions

The magnesium alloy full die-cast frame is highly durable, while sealing helps protect every seam, dial, and button. The camera as a whole is dust- and splash-resistant\* and designed for use at temperatures as low as -10 °C.

\*Dust- and splash-resistant does not guarantee that damage will not occur if this camera is subjected to direct contact with dust and water.

