Specific								
					Digital Single Lens Mirrorless camera			
TYPE	Recording media				SD Memory Card, SDHC Memory Card, SDXC Memory Card (Compatible with UHS-I standard SDHC / SDXC Memory Cards)			
	Image sensor size				17.3 x 13.0 mm (in 4:3 aspect ratio)			
	Lens mount				Micro Four Thirds mount			
JENJON	Туре				Live MOS Sensor			
	Total pixels				17.20 Megapixels			
	Camera e	effective	pixels		16.05 Megapixels			
	Color filter				Primary color filter			
	Dust reduction system				Supersonic wave filter			
	Recording file format				Still Image: JPE6(DCF, Exif 2.3), RAW, MP0 (When attaching 3D lens in Micro Four Thirds standard) Motion Image: AVCHD Ver2.0 compliant (AVCHD Progressive), MPE64-AVC(H.264). (MOV, MP4)			
	Aspect ratio				4:3, 3:2, 16:9, 1:1			
					RAW, RAW+Fine, RAW+Standard, Fine, Standard,			
	Image quality				MP0+Fine / MP0+Standard (with 3D lens in Micro Four Thirds System standard)			
	Color space				sRGB, Adobe RGB [4:3] 4,608 x 3,456 (L) / 3,264 x 2,448 (M) / 2,336 x 1,752 (S) /			
		Still Image			1,824 x 1,368 (with 3D lens in Micro Four Thirds System standard) [3:2] 4,608 x 3,072 (L) / 3,264 x 2,176 (M) / 2,336 x 1,560 (S) /			
					1,824 x 1,216 (with 3D lens in Micro Four Thirds System standard)			
					[16:9] 4,608 x 2,592 [L] / 3,264 x 1,840 [M] / 1,920 x 1,080 [S] / 1,824 x 1,024 (with 3D lens in Micro Four Thirds System standard)			
					[1:1] 3,456 x 3,456 (L) / 2,448 x 2,448 (M) / 1,744 x 1,744 (S) /			
					1,712 x 1,712 (with 3D lens in Micro Four Thirds System standard) [Full HD] 1,920 × 1,080, 30p (sensor output is 30p, 72Mbps(ALL-Intra])			
			:M0V*1	NTSC	[Full HD] 1, 920 ×1,080, 24p (sensor output is 24p, 72Mbps(ALL-Intra]) [HD] 1,280 × 720, 60p (sensor output is 60p, 72Mbps(ALL-Intra])			
					[Full HD] 1,920 × 1,080, 60p [sensor output is 60p, 50Mbps(IPB)] [Full HD] 1,920 × 1,080, 30p [sensor output is 30p, 50Mbps(IPB)]			
					[Full HD] 1,920 × 1,080, 30p (sensor output is 30p, 30Mbps(IPB)] [Full HD] 1,920 × 1,080, 24p (sensor output is 24p, 50Mbps(IPB)]			
			1404 1		[Full HD] 1,920 × 1,080, 25p (sensor output is 25p, 72Mbps(ALL-Intra]) [Full HD] 1,920 × 1,080, 24p (sensor output is 24p, 72Mbps(ALL-Intra])			
	File size			PAL*3	[HD] 1.280 x 720, 50p (sensor output is 50p, 72Mbps(ALL-Intra))			
RECORDING SYSTEM	[Pixels]				[Full HD] 1,920 × 1,080, 50p [sensor output is 50p, 50Mbps PB] [Full HD] 1,920 × 1,080, 25p [sensor output is 25p, 50Mbps PB] [Full HD] 1,920 × 1,080, 24p [sensor output is 24p, 50Mbps PB]			
					[Full HD] 1,920 × 1,080, 24p [sensor output is 24p, 50Mbps(IPB)] [Full HD] 1,920 × 1,080, 30fps [sensor output is 30p, 20Mbps]			
		Motion Image	MP4*2	NTSC	[HD] 1,280 x 720, 30fps [sensor output is 30p, 10Mbps] [VGA] 640 x 480, 30fps [sensor output is 30p, 4Mbps]			
					[Full HD] 1,920 × 1,080, 25fps [sensor output is 25p, 20Mbps]			
				PAL*3	[HD] 1,280 x 720, 25fps [sensor output is 25p, 10Mbps] [VGA] 640 x 480, 25fps [sensor output is 25p, 4Mbps]			
			AVCHD	NTSC	[Full HD] 1,920 × 1,080, 60p [sensor output is 60p, 28Mbps]			
			Progressive *2	PAL*3	[Full HD] 1,920 × 1,080, 50p [sensor output is 50p, 28Mbps]			
				NTSC	[Full HD] 1,920 × 1,080, 24p [sensor output is 24p, 24Mbps] [Full HD] 1,920 × 1,080, 60i [sensor output is 30p, 24Mbps]			
			AVCHD*2	PAL*3	[Full HD] 1,920 × 1,080, 60i [sensor output is 60p, 17Mbps]			
					[Full HD] 1,920 × 1,080, 24p [sensor output is 24p, 24Mbps] [Full HD] 1,920 × 1,080, 50i [sensor output is 25p, 24Mbps] [Full HD] 1,920 × 1,080, 50i [sensor output is 50p, 17Mbps]			
	Continuo				[Full HD] 1,920 × 1,080, 50i [sensor output is 50p, 17Mbps] AVCHD with picture quality set to Approx.			
	Continuous recordable time [Motion images]				230 min with H-HS12035 / Approx. 210 min with H-VS014140			
	Actual recordable time [Motion images]				AVCHD with picture quality set to Approx. 115 min with H-HS12035 / Approx. 105 min with H-VS014140			
	Flicker reduction [Motion images]				[1/50] / [1/60] / [1/100] / [1/120] / OFF			
	Time Code [Motion images] [except MP4]				ON/OFF, Count Up : Rec Run/Free Run selectable, Time Code Mode : Drop frame/Non-drop frame selectable [NTSC only]			
	WiFi				IEEE 802.11b/g/n, 2412 MHz - 2462 MHz [11ch], Wi-Fi / WPA / WPA2, Infrastructure mode			
	Туре				OLED Live View Finder [1,744K dots equivalent]			
	Field of view				Approx. 100%			
VIEWFINDER	Magnification				Approx. 1.34x / 0.67x [35mm camera equivalent]			
	Eye point				Approx. 21 mm from eyepiece lens -4.0 ~ +4.0 [dpt]			
	Diopter adjustment Auto eye sensor				Yes			
	Type				Contrast AF system			
	Focus mode				AFS [Single] / AFF [Flexible] / AFC [Continuous] / MF			
	AF mode				Face detection / AF Tracking / 23-area-focusing / 1-area-focusing / Pinpoint (Full area touch is available)			
FOCUS	AF assist lamp				Yes [ON/OFF]			
	AF lock				Yes [AF/AE LOCK button]			
	Others				Quick AF, Continuous AF (during motion image recording), AF + MF, Eye Sensor AF, Touch Pad AF, Touch AF, Touch shutter, Touch MF Assist, Shutter AF, Half Press Release			
	Light metering system				144-zone multi-pattern sensing system			
	Light metering mode				Intelligent Multiple / Center Weighted / Spot			
	Metering range				EV0-18 [F2.0 lens, ISO 100 equivalent]			
EXPOSURE	Exposure mode				Program AE, Aperture Priority AE, Shutter Priority AE, Manual			
CONTROL	ISO sensitivity [Standard Output Sensitivity]				Auto / Intelligent ISO / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 [Changeable to 1/3, 1EV step] [Extended ISO 125-less under 200, ISO more over 12800-25600 Available] (Up to ISO3200 in Auto]			
	Exposure compensation				1/3 Step ±5EV [±3EV for motion image]			
	AE lock				AF/AE LOCK button			
	AE bracket				3,5,7 frame in 1/3, 2/3 or 1 EV Step, single/burst			
WHITE BALANCE	White balance				Auto / Daylight / Cloudy / Shade / incandescent / Flash / White Set 1, 2 / Color temperature setting			
	White balance adjustment				Blue/amber bias, Magenta/green bias			
	Color temperature setting				2,500-10,000K in 100K			
	White balance bracket				3 exposures in blue/amber axis or in magenta/green axis			
SHUTTER	Type				Focal-plane shutter Still Images: 1/4000-60 and Bulb,			
	Shutter speed				Motion image: 1/16,000 ~ 1/30 (NTSC), 1/16,000 ~ 1/25 (PAL)			
	Self timer				10 sec, 3 images after 10 sec, 2 sec			

		Clear Portrait / Silky Skin / Backlit Softness / Clear in Backlight / Relaxing Tone / Sweet Child's Face / Distinct Scenery / Bright Blue Sky / Romantic Sunset Glow / Vivid Sunset				
SCENE	Still image	Glow / Glistening Water / Clear Nightscape / Cool Night Sky / Warm Glowing Nightscape / Artistic Nightscape / Glittering Illuminations / Clear Night Portrait / Soft Image of a Flower				
GUIDE		/ Appetizing Food / Cute Dessert / Freeze Animal Motion / Clear Sports Shot / Monochrome Clear Portrait / Silky Skin / Backlit Softness / Clear in Backlight / Relaxing Tone /				
	Motion picture	Clear Portrait / Sitky Skin / Backlit Softness / Clear in Backlight / Relaxing Tone / Sweet Child's Face / Distinct Scenery / Bright Blue Sky / Romantic Sunset Glow / Vivid Sunset Glow / Clear Nightscape / Cool Night Sky / Warm Glowing Nightscape / Artistic				
	inotion picture	Nightscape / Clear Night Portrait / Appetizing Food / Cute Dessert / Freeze Animal Motion / Clear Sports Shot / Monochrome				
BURST SHOOTING	Burst speed	SH: 20 frames/sec, H: 6 frames/sec, M: 4 frames/sec [with Live View], L: 2 frames/sec [with Live View]				
SHOUTING	Built in flash type	TTL Built-in-Flash, GN12 equivalent (ISO 100 •m)/GN17 equivalent (ISO 200 •m) Built-in				
		Pop-up (Reference) Auto, Auto/Red-eye Reduction [when iA, iA+], Forced On, Forced On/Red-eye Reduction,				
	Flash mode	Slow Sync., Slow Sync./Red-eye Reduction				
FI ASH	Synchronization speed	Less than 1/160 second				
LASII	Flash output adjustment	1/3EV Step ±3EV				
	Flash synchronization Synchronization for flash dimming	1st. Curtain Sync, 2nd Curtain Sync.				
	and exposure compensation	Yes [ON/OFF]				
	Flash sync socket	Yes				
	Туре	OLED Monitor with static touch control				
MONITOR	Monitor size	Free-angle 3.0 inch / 3:2 Aspect / Wide viewing angle				
MUNITUR	Pixels Field of view	610K dots				
	Monitor adjustment	Approx. 100% Brightness [7 levels], Color [7 levels], Red-Green [11 levels], Blue-Yellow [11 levels]				
	Digital zoom	2x. 4x				
		Still image: Max. 2x [Not effective with L size recording. Magnification ratio depends on				
	Extra Tele Conversion	the recording pixels and aspect ratio.] Motion image: 2.4x, 3.6x, 4.8x [Magnification ratio depends on the recording quality and				
LIVE VIEW		aspect ratio.]				
	Other functions	Guide Lines (3 patterns)				
		Real-time Histogram				
LEVEL GAUGE		Yes				
VERTICAL SHI PHOTO	OOTING DETECTION	Yes				
STYLE	Still image and Video	Standard / Vivid / Natural / Monochrome / Scenery / Portrait / Custom				
CREATIVE	Still image	Expressive / Retro / High Key / Low Key / Sepia / Dynamic Monochrome / Impressive Art / High Dynamic / Cross Process / Toy Effect / Miniature Effect / Soft Focus / Star Filter / One Point Color				
CONTROL	Motion picture	Expressive / Retro / High Key / Low Key / Sepia / Dynamic Monochrome / Impressive Art / High Dynamic / Cross Process / Toy Effect / Miniature Effect / One Point Color				
	Exposure Mode	Program AE/ Aperture-Priority / Sutter-Priority / Manual Exposure				
CREATIVE VIDEO MODE	Slow and fast motionv	40% / 48% / 80% [Records 0.4 times, 0.48 times, 0.8 times slower] 160% / 200% / 300% [Records 1.6 times, 2.0 times, 3.0 times faster]				
PLAYBACK	Playback mode	[1,920 x 1,880, 24p, 24Mbps in MOV, MP4, AVCHD] Normal jalyabak, 30-thumbnid display, 12-thumbnid display, Calendar display, Zoomes playback [Max. 16x], Silde Show [All / Picture Only / Video Only /30 / Calendar display Silde Show [All / Picture Only / Video Only /30 / Calendar Silde Show [All / Picture Only / Video Play / 30 Play / Category Play / Favorite Play], Tille Edit, Text Stamp, Video Divide, Resuze, Oroping, Rostate, Favorite, Print Stel, Protect, Face Recognition Edit				
IMAGE	Protection	Single / Multi or Cancel				
PROTECTION / ERASE	Erase	Single / Multi / All / Except Favorite				
PRINT	Direct print	PictBridge compatible				
	USB	USB 2.0 High Speed				
	номі	miniHDMI TypeC Video: Auto / 1980p / 1980 i / 720p / 480p [576p in PAL system] Audio: Dolby® Digital Stereo Creator				
	Audio video output	Monaural Type, NTSC/PAL, NTSC only for North America *Check the website of the Panasonic sales company in your country or region for details on the products that are available in your market.				
INTERFACE	Remote input	φ2.5mm for Remote				
	External microphone input	φ3.5mm for External microphone				
	Headphone output	ф3.5mm for Headphone				
	Microphone	Stereo, Wind-cut: Off / Low / Standard / High / AUTO				
	Speaker	Monaural				
LANGUAGE OSD language		English, German, French, Italian, Spanish, Polish, Czech, Hungarian, Russian, Chinese [Irraditional], Chinese [Simplified], Dutch, Thai, Korean, Turkish, Portuguese, Arabic, Persian, Japanese, Swedish, Joanish, Finnish, Feek, Vietnamese' Oheck the websit of Panasonic sales company in your country/region or ask customer support for details of				
	Battery	the OSD language available on the products sold in your country / region. Li-ion Battery Pack [7.2V, 1860mAh] [Included]				
POWER	Battery life [CIPA standard]	Approx. 540 images with H-HS12035, Approx. 500 images with H-VS014140				
	Dimensions [W x H x D]	132.9 x 93.4 x 82.0 mm/5.23 x 3.68 x 3.23 inch [excluding protrusions]				
DIMENSIONS / WEIGHT	Weight	Approx. 550 g/19.40 oz [SD card, Battery, Body] Approx. 470 g/16.58 oz [Body only] Approx. 855 g/30.16 oz [SD card, Battery, H-HS12035 lens included] Approx. 1,010 g/35.62 oz [SD card, Battery, H-FS014140 lens included]				
OPERATING	Operating temperature	0°C to 40°C [32°F to 104°F]				
ENVIRONMENT	Operating humidity	10% to 80%				
	Software	PHOTOfunSTUDIO 8.5 PE SILKYPIX® Developer Studio 3.1 SE				
STANDARD ACCESSORIES	Surtware	LoiloScope (trial version)				
	Standard accessories	Battery Charger (AC Cable included), Battery Pack, Body Cap, USB Connection Cable, Shoulder Strap, CD-ROM				
	External Flash (optional)	DMW-FL360L [optional], Wireless Channel: 1ch/2ch/3ch/4ch				
		DMW-MS2 [optional], Gun/Stereo selectable DMW-BGGH3 [optional]				
OPTIONAL ACCESSORIES	External Microphone (optional)					



Panasonic













For Explorers at Heart

Meet the DMC-GH3, a new and highly evolved model from LUMIX, creator of the world's first* digital single lens mirrorless (DSLM) camera.

The body has been totally re-engineered to incorporate a 16.05-megapixel Digital Live MOS Sensor, a 4-CPU Venus Engine, and a newly designed low-pass filter.

The creative expression made possible by these innovations, which render even the finest textures in intricate detail, breaks new ground in photographic realism.

The new model also features Contrast AF with an unprecedented level of response.

And its magnesium alloy frame is tightly sealed to form a splash/dustproof design, making the DMC-GH3 rugged enough to withstand the rigors of professional use.

Incredible advances have been made in video performance as well.

In addition to supporting a wide range of recording formats,
the DMC-GH3 features a special heat-dispersing design for extended high-quality recording.
Its specifications match those of many professional cameras,
ensuring that it meets the demands of video field work.

The LUMIX GH3 was designed from the ground up to provide seamless performance for both stills and videos.

It may well be the world's first camera to please professional photographers by offering them the best of both.

 * The DMC-G1, the world's first Digital Single Lens Mirrorless camera, was introduced on September 12, 2008.

08

Reach Out and Feel the Beauty

Smoothly flowing gradation

New 16.05-megapixel Digital Live MOS Sensor

The DMC-GH3 features a 16.05-megapixel Digital Live MOS Sensor with a level of sensitivity that produces flowing gradation from shadows to highlights. High resolution and a wide dynamic range create truly stunning images that look like you could reach out and touch them. High-sensitivity ISO 12800 (extended: ISO 25600) and extensive noise reduction give you remarkable images even in dim lighting.



Moire suppression and high resolution Newly Designed Low-Pass Filter

New technology has also been applied to the low-pass filter on the surface of the Digital Live MOS Sensor. The new filter optimizes the conventionally conflicting effects of increasing resolution while suppressing moire. The unwanted data that leads to moire and false color is effectively eliminated while maintaining high resolution.

Great shots even in backlighting HDR (High Dynamic Range)

To cope with the extreme bright and dark contrast that you get, for example, with backlighting, consecutive photos are taken with different exposure levels and overlapped. Blown highlights and blocked shadows are then deleted and a single photo is composed. All processing is done in the background, so you can take your next shot without having to wait, ensuring that you don't miss a photo opportunity.

Fast processing of high-quality images

New Venus Engine

The new Venus Engine has an unprecedented ability to process both still and video signals with razor-sharp clarity. 3D Noise Reduction (3DNR) and Multiprocess Noise Reduction (MNR) work together to attain superb noise-reducing performance. Four CPUs process these signals instantly to render images with excellent definition and lifelike ambience.



Still-life images and landscapes without pixel shifting Electronic Shutter Function

Both the front and rear curtains in the DMC-GH3's shutter system are driven electronically for vibration-free operation. This ensures crisp still-life images and landscapes with no pixel shifting.

High acclaim for accuracy and quality

Top-Class Aspherical Lenses

Lumix G lenses are all developed in-house. Their quality is inspected by the UA3P Ultra-High Accuracy 3D Profilometer, an instrument that was originally developed by Panasonic and is now used by optical manufacturers all over the world. Panasonic's collaboration with Leica Camera AG also resulted in stringent quality standards for these advanced lenses and a system in which each and every lens is inspected.

• LEICA is a registered trademark of Leica Microsystems IR GmbH.



Actual Size

Nimble Movement, Intuitive Response

Higher response and greater precision

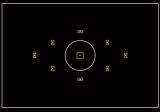
Contrast AF

In the DMC-GH3's Contrast AF system, the image sensor doubles as the AF sensor to resist any mechanical margin of error. Compared with Phase Difference AF, the focusing is precise even at small F-numbers. A faster sensor and engine also achieve a higher focus detection speed than competitive models.

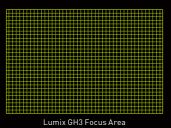
Flexible framing not limited to measurement points

Full-area Focusing

With Full-area Focusing, any place you touch on the rear monitor is a focus point. There's no need to have your subject in the center of the frame. DMC-GH3 owners are released from focus point limitations, and free to frame their shots as they please.







(Full-Area AF system

Fine focus point adjustment

Pinpoint AF

Pinpoint AF is handy when you want to set the focus point more precisely. Simply touch the rear monitor to expand the surrounding area. Then drag the screen to move the cross-shaped marker in the center to the exact place you want to focus. This allows detailed adjustment in a small focus area.

Enlarge the screen to check focusing

MF Assis

When manually focusing, simply touch a part of the rear monitor to enlarge the image by 4x, 5x or 10x, to aid in focusing. The 4x enlarged image is displayed in the framing screen, so you can focus while viewing the entire composition.

Easy, intuitive operation

Button Layout

Shooting with the viewfinder has been further enhanced in the DMC-GH3. Exposure compensation, ISO sensitivity, and white balance controls are positioned around the shutter button to make operation fast and easy while looking at the viewfinder.

Camera tilt displayed on the monitor

Level Gauge

Acceleration sensors inside the camera detect the horizontal condition. A level gauge indicating the two directions of horizontal lean and front/rear tilt is displayed. The camera's portrait/landscape orientation is also detected, and photos are automatically displayed in the correct orientation whatever lens is used.

Natural color, high definition and a lag-free display $% \left\{ \left\{ 1\right\} \right\} =\left\{ 1\right\} =\left\{ 1\right\}$

Double OLED Display

High-quality, high-speed organic EL displays are used for both the Live View Finder and the rear monitor. These rapid displays, which feature 100% coverage, exhibit no perceptible time lag,

and ensure that your subject is shown with natural coloring. The Eye Sensor automatically switches between the Live View-Finder and the rear monitor, for smooth, easy shooting with both.



Extended shooting ability

New Tough Battery

The newly developed Tough Battery allows reliable, extended shooting of both photos and videos. You can shoot approx. 540 images with H-HS12035 [CIPA Standard].



Field Tough

Lightweight and rugged for field use

Magnesium Alloy Full Diecast Frame

The DMC-GH3 is the first in the LUMIX G series to use a magnesium alloy frame. Its lightweight yet durable body brings ruggedness to the compact size of the digital single lens mirrorless camera to provide flexible shooting virtually anywhere.



Keeping the sensor constantly clean

SSWF (Super Sonic Wave Filter)

To eliminate dust and other foreign matter that might otherwise enter the camera when changing lenses, SSWF(Super Sonic-Wave Filter) that vibrates approximately 80,000 times/second is mounted between the low-pass filter and the shutter. Each time the power is turned on, the filter oscillates the sensor surface to automatically remove dust and other particles.



Ready for shooting worldwide

Splash/Dustproof Design

A splash/dustproof design is achieved by tightly sealing the joints and control components of the DMC-GH3 body. This heavyduty design meets the needs of active outdoor photographers everywhere.





High-speed data transfer

SD Card — UHS-I

The DMC-GH3 uses a variety of advanced recording media, including the SDXC, SDHC, and SD Memory Cards. Topping them all is the maximum speed of the UHS-I high-speed data transfer standard. It lets you transfer your valuable shooting data at lightning fast speeds.







Go-anywhere ruggedness

Splash/Dustproof Lenses

The DMC-GH3 is rugged enough to use in even the harshest environments. And this is also true for the lens, which has the same splash/dustproof design as the DMC-GH3 body. You're covered with a tough design and rugged protection throughout.



LUMIX G X VARIO 12-35mm / F2.8 ASPH. / POWER O.I.S.



LUMIX G X VARIO 35-100mm / F2.8 / POWER O.I.S.



Simply Awesome Video Quality

Full support for the industry's recording formats — Versatile Recording Formats

The DMC-GH3 handles the wide variety of recording formats, frame rates, and bit rates that are used by broadcasting stations and production studios.

	Recording format	Number of pixels	Recording frame rate NTSC [PAL]	Sensor output frame rate NTSC [PAL]	Bit rate	Time code	Seamless file generation
for Editing		1,920 x 1,080	60p [50p]	60p [50p]	50Mbps [IPB]	Yes	Yes
	MOV (H.264)		30p [25p]	30p [25p]	72Mbps [ALL-Intra]	Yes	Yes
					50Mbps [IPB]	Yes	Yes
			24p [24p]	24p [24p]	72Mbps [ALL-Intra]	Yes	Yes
					50Mbps [IPB]	Yes	Yes
		1,280 x 720	60p [50p]	60p [50p]	72Mbps [ALL-Intra]	Yes	Yes
for Ornamental	MP4 (H.264)	1,920 x 1,080		30p [25p]	20Mbps	No	No
		1,280 x 720	30p [25p]		10Mbps	No	No
		640 x 480			4Mbps	No	No
	AVCHD Progressive	1,920 x 1,080	60p [50p]	60p [50p]	28Mbps	Yes	Yes
	AVCHD	1,920 x 1,080	60i [50i]	60p [50p]	17Mbps	Yes	Yes
			60i [50i]	30p [25p]	24Mbps	Yes	Yes
			24p [24p]	24p [24p]	24Mbps	Yes	Yes

High-definition recording of every frame

Full-HD Progressive



The DMC-GH3 gives you 1920 x 1080 60p [NTSC] /50p [PAL] Full-HD recording. Progressive Scanning records every frame, so the amount of data contained is twice that of interlace

scanning, and the images have extremely high definition.

Face Detection AF, Full-area Touch AF, and AF Tracking Versatile AF Functions for Video Shooting

Face Detection AF, Full-area Touch AF, and AF Tracking, which automatically tracks moving subjects, can be used for shooting videos just as they are for shooting still images. They bring the same great ease and comfort to your video work.

Videos Just the Way You Want Them

Creative Video Mode

Exposure Mode

Select either of four manual video modes: Program AE / Aperture-Priority / Sutter-Priority / Manual Exposure. They will faithfully reflect your shooting intent, and give you a wide range of video images.

40%, 48%, 80% Slow Motion Video

Quick-motion and slow-motion video let you apply a variety of effects to the video timeline. In addition to three types of quickmotion and 80% slow-motion video, the DMC-GH3 includes 48% and 40% slow-motion in response to demands from many video shooting enthusiasts, all in Full-HD.



Time codes recorded for video editing use

Time Code

Time codes are essential for video editing, as they provide the information needed to specify scenes along the video timeline. The DMC-GH3 includes a count-up system with Rec Run and Free Run codes and a recording system with Drop Frame and Non Drop Frame codes. In addition to aiding image expression, these time code functions meet professional needs for postproduction work.

Audio recording with an external mic and image sync Mic Input Jack

The DMC-GH3 has a 3.5-mm-diameter, general-purpose mic jack. Simply plug in an external mic to record high-quality sound synchronized to the image.

Monitor the sound as you record Headphone Output Terminal

The DMC-GH3 also features a 3.5-mm-diameter, generalpurpose, headphone output terminal. It comes in handy for TV program or other production applications by letting you monitor the sound through headphones while shooting.

Check Live View images on a large screen

HDMI Monitor-Through

The HDMI terminal on the DMC-GH3 connects easily to a large-screen monitor for realtime image checking. It also makes it possible to save data onto an SD card as it is output, for a more efficient workflow.

Continuous Recording

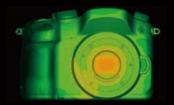
Seamless File Generation

When recording the video in MOV, AVCHD Progressive and AVCHD, the DMC-GH3 automatically generates multiple seamless files for continuous recording. During playback, the files are reproduced with seamless, interruption-free continuity.

Extended-time recording of high-quality images Original Heat-Dispersing Design

Right from the design stage, the DMC-GH3 pursued a hybrid

structure for still and video images. A heat-dispersing design was used to enhance video shooting and enable extended recording of highquality images.



Professional-Level Flexibility

Wireless function for a whole new shooting style Smartphone or Tablet Linking

The Wi-Fi® function lets you use your smartphone Wi **Fi** to make settings and press the shutter button remotely, a short distance from the camera. The auto transfer function is handy for automatically backing up photos onto a tablet. This lets you monitor them on the tablet without having to upload them to a PC. You can also start timer interval video recordings from your smartphone. And you can use GPS data to simultaneously record the shooting location onto your images.

• The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance.

Versatile shooting of both still and video images Flash with LED [DMW-FL360L] [Optional]

A wireless capability is handy for multiple-flash shooting. The LED light is especially useful for video shooting. Charging is fast at only about 2 seconds, to provide comfortable and easy flash shots.

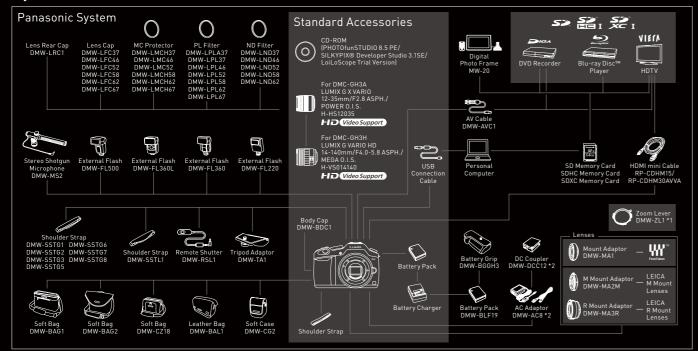
Extended shooting and palm-fitting operation Integrated Battery Grip [Optional]

Mounting the optional battery grip allows the GH3 to shoot 1,000 or more photos when using the Live Viewfinder (with two batteries; one in the battery grip and one in the camera). The integrated grip design includes the same level of sealing as that of the body, and the button layout makes it easy to shoot in portrait orientation. DMW-BGGH3

Strong support for full-fledged video shooting Stereo/Shotgun Microphone [DMW-MS2] [Optional]

This advanced external mic suppresses the camera's motor noise and handling noise, to capture the sound that you're aiming for. Stereo and shotgun mic switching is done from the menu.

System Chart



*1 The DMW-ZL1 is compatible with the following Micro Four Thirds lenses (As of September 2012). H-F007014 / H-HS12035 / H-FS014042 / H-FS014045 / H-VS014140 / H-HS35100 / H-FS45150 / H-FS045200 / H-FS100300 / H-FS100300 / H-FS100300 / H-FS100300 / H-FS004000 / H-F systems IR GmbH. • When a lens that does not support the Contrast AF function is mounted, operation will automatically switch to manual focus. • Confirm the operation information of compatible lenses at Curt http://panasonic.jp/support/global/cs/dsc [English]. • For detailed information about the lenses made by SIGMA, OLYMPUS, LEICA, COSINA and KENKO TOKINA, please see each company's website. • The Memory Card can be used only if the their logos are indicated on the equipment or in the operation manual. It cannot be used with equipment that supports only the SD Memory Card • Four Thirds^M and Micsoft on the control of the contr

Optional Accessories

PL Filter (Circular Type)

67mm DMW-LPL67 62mm DMW-LPL62 58mm DMW-LPL58 52mm DMW-LPL52 46mm DMW-I PI 46 37mm DMW-LPL37

37mm DMW-LPLA37



ND (Neutral Density) Filter (ND8)

62mm DMW-LND62 52mm DMW-LND52

External TTL Flash



MC Protector

67mm DMW-LMCH67 62mm DMW-LMCH62 58mm DMW-LMCH58

52mm DMW-LMC52 46mm DMW-I MC46 37mm DMW-LMCH37



External TTL Flash (Wireless compatible)







Mount Adaptor

DMW-MA1 for the Four Thirds System standard DMW-MA2M for M mount lens of Leica Camera AG DMW-MA3R for R mount lens of Leica Camera AG



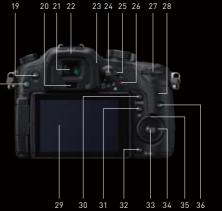


Battery **Battery Grip** Stereo Shotgun Microphone Remote Shutter Zoom Lever DMW-BLF19 DMW-BGGH3 DMW-MS2 DMW-ZL1

•LUMIX G system cameras come with a function to check whether the battery and unit can be safely used together. •Batteries made by other companies which have been certified by Panasonic may be used with these units, but we offer no guarantee as to the quality, performance or safety of such batteries. •Exercise care when purchasing batteries. Many fake or imitation batteries have been found among those sold at unusually low prices and those which customers cannot check for themselves before purchasing. •Please confirm the latest information about batteries on the following website. http://panasonic.jp/support/global/cs/info/battery.html [This website is in English only.]

Main Parts and Controls







- 1. Shutter button
- AF assist lamp
- 3. Sensor
- 4. Flash
- 5. Flash synchro socket
- 6. MIC socket
- 7. Headphone socket
- 8. HDMI socket
- 9 AV OUT/DIGITAL socket
- 10. Shoulder strap eyelet

- 11. Remote socket
- 13. DC coupler cover
- 14. Lens fitting mark 15. Mount
- 16. Lens lock pin
- 17. Lens release button

21. Live View Finder

- 18. Playback button 29. Touch screen/QLED monitor 19. LVF button/Fn5 button 30. Q.MENU button/Fn2 button
- 20 Eve sensor
 - 31 Auto Focus Mode button/ Fn3 button

22. Eve Cup

27. Rear dial

24. AF/AF LOCK button

25. Focus mode lever

26. Motion picture button

- 32. Delete/Cancel button/
- 23. Diopter adjustment dial
 - 33. MENU/SET buttor
 - 34. Control dial

 - 35. Cursor buttons
 - 36. DISP. button

 - 38. Hot shoe

41. Front dial

39. Mode dial

40 Wi-Fi button/Fn1 button

48. Camera ON/OFF switch 49. Wi-Fi connection lamp

42. White Balance button

43. ISO sensitivity button

45. Flash open button

46. Stereo microphone

47. Status indicator

44. Exposure Compensation button

50. Focus distance reference mark