

Panasonic LUMIX DMC-GH1 Specifications

TYPE	Type	Digital interchangeable lens system camera	
	Recording media	SD memory card, SDHC memory card	
	Image sensor size	17.3 x 13.0 mm	
IMAGE SENSOR	Lens mount	Micro Four Thirds mount	
	Type	Live MOS Sensor	
	Total pixels	14.0 Megapixels	
	Camera effective pixels	12.1 Megapixels	
	Color filter	Primary color filter	
	Dust reduction system	Supersonic wave filter	
RECORDING SYSTEM	Recording file format	Still Image: JPEG(DCF, Exif 2.21), RAW, DPOF compatible	
		Still Image with Audio: JPEG(DCF, Exif 2.21) + Quicktime	
		Motion Image: AVCHD / QuickTime Motion JPEG	
	Aspect ratio	4:3, 3:2, 16:9, 1:1 (Multi-aspect recording except 1:1)	
	Image quality	RAW, RAW+Fine, RAW+Standard, Fine, Standard	
	Color space	sRGB, Adobe RGB	
	File size(Pixels)	Still Image	[4:3] 4000 x 3000(L), 2816 x 2112(M), 2048 x 1536(S) [3:2] 4128 x 2752(L), 2928 x 1952(M), 2064 x 1376(S) [16:9] 4352 x 2448(L), 3072 x 1728(M), 1920 x 1080(S) [1:1] 2992 x 2992(L), 2112 x 2112(M), 1504 x 1504(S)
		Motion Image	[4:3] QVGA : 320 x 240, 30fps / VGA : 640 x 480, 30fps [16:9] WVGA : 848 x 480, 30fps [HD] 1280 x 720, 30fps
		AVCHD	[Full HD] 1920 x 1080, 60i (sensor output is 24fps)(FHD: 17Mbps) [HD] 1280 x 720, 60p (SH: 17Mbps, H: 13Mbps, L: 9Mbps)
		NTSC	[Full HD] 1920 x 1080, 50i (sensor output is 25fps)(FHD: 17Mbps) [HD] 1280 x 720, 50p (SH: 17Mbps, H: 13Mbps, L: 9Mbps)
		PAL	[Full HD] 1920 x 1080, 50i (sensor output is 25fps)(FHD: 17Mbps) [HD] 1280 x 720, 50p (SH: 17Mbps, H: 13Mbps, L: 9Mbps)
	VIEWFINDER	Type	Live View Finder (1,440,000 dots equivalent)
Field of view		Approx. 100%	
Magnification		Approx. 1.4x / 0.7x (35mm camera equivalent) with 50mm lens at infinity; -1.0 m ⁻¹	
Eye point		Approx. 17.5mm from eyepiece lens	
Diopter adjustment		-4.0 ~ +4.0 m ⁻¹	
FOCUS	Type	Contrast AF system	
	Focus mode	AFS/AFc/MF	
	AF mode	Face detection/ AF Tracking / 23-area-focusing / 1-area-focusing	
	AF detectable range	EV 0-18 (F3.5 lens, ISO 100)	
	AF assist lamp	YES	
	AF lock	AF/AE LOCK button or Shutter button halfway pressed in AFs mode	
	Others	Pre AF (Quick AF/Continuous AF), AF+MF, MF Assist (5x, 10x)	
EXPOSURE CONTROL	Light metering system	144-zone multi-pattern sensing system	
	Light metering mode	Intelligent Multiple / Center Weighted / Spot	
	Metering range	EV 0-18 (F2.0 lens, ISO 100)	
	Exposure mode	Program AE, Aperture Priority AE, Shutter Priority AE, Manual	
	ISO sensitivity	Auto / 100 / 200 / 400 / 800 / 1600 / 3200 / Intelligent ISO	
	Exposure compensation	1/3EV Step ±3EV	
	AE lock	AF/AE LOCK button or Shutter button halfway pressed	
	AE bracket	3, 5, 7 frame, in 1/3 or 2/3 EV Step, ±2 EV	
WHITE BALANCE	White balance	Auto / Daylight / Cloudy / Shade / Halogen / Flash / White Set 1,2 / Color temperature setting	
	White balance adjustment	Blue/amber bias, Magenta/green bias	
	Color temperature setting	2500-10000K in 100K	
	White balance bracket	3 exposures in blue/amber axis or in magenta/green axis	
SHUTTER	Type	Focal-plane shutter	
	Shutter speed	Still Images: 1/4000 ~ 60 and Bulb (up to approx. 4minutes)	
	Self timer	2sec / 10sec / 10sec, 3 images	
	Remote control	Remote control with bulb function by DMW-RSL1 (Optional)	
SCENE MODE	Still Image SCN mode	Portrait (Normal/Soft Skin/Outdoor/Indoor/Creative) / Scenery (Normal/Nature/Architecture/Creative) / Sports (Normal/Outdoor/Indoor/Creative) / Close-up (Flower/Food/Objects/Creative) / Night Portrait (Night Portrait/Night Scenery/Illuminations/Creative) / SCN (Sunset/Party/Baby 1,2/Pet)	
	Movie SCN mode	Portrait / Scenery / Sports / Low Light / Close-up (Flower/Food/Objects/Macro) / SCN (Sunset/Party/Portrait) (Activated by selecting Still Image SCN mode then pressing Movie Button. Still Image SCN modes without corresponding Movie SCN mode is recorded in Normal mode.)	
BURST SHOOTING	Burst speed	3 frames/sec (High speed) or 2 frames/sec (Low speed)	
	Number of recordable images	7 images (when there are RAW files with the particular speed) Unlimited consecutive shooting (when there are no RAW files) (depending on memory card size, battery power, picture size, and compression)	
BUILT-IN-FLASH	Type	TTL Built-in-Flash, GN11 equivalent (ISO 100 ·m), Built-in Pop-up	
	Flash mode	Auto, Auto/Red-eye Reduction, Forced On, Forced On/Red-eye Reduction, Slow Sync., Slow Sync./Red-eye Reduction, Forced Off	
	Synchronization speed	Less than 1/160 second	
	Flash output adjustment	1/3EV Step ±2EV	
	Flash synchronization	1st. Curtain Sync, 2nd Curtain Sync.	
	Hot shoe	TTL Auto with FL220/FL360/FL500(Optional)	
LCD MONITOR	Type	Low temperature Polycrystalline TFT LCD	
	Monitor size	Free-angle 3.0inch / 3:2 Aspect / Wide viewing angle	
	Pixels	460K dots	
	Field of view	Approx. 100%	
	Brightness adjustment	Auto, Power LCD, Manual (7 levels)	
LIVE VIEW	Digital zoom	2x, 4x	
	Extra optical zoom	Max 2x (Not effective with L size recording. Magnification ratio depends on the recording pixels and aspect ratio.)	
	Other functions	Guide Lines (3 patterns) Real-time Histogram	
FILM MODE	Color	Standard / Dynamic / Nature / Smooth / Nostalgic / Vibrant	
	Black and white	Standard / Dynamic / Smooth	
	Others	My Film1 / My Film2 / Multi Film	
PLAYBACK	Playback mode	Normal playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Slideshow (duration & effect is selectable), Playback Mode (Normal/Picture/AVCHD/Motion JPEG/Face Recognition/Favorite), Title Edit, Text Stamp, Resize, Trimming, Aspect Conversion, Rotate, Rotate Display, Print Set, Protect, Audio Dubbing	
IMAGE PROTECTION / ERASE	Protection	Single / Multi or Cancel	
	Erase	Single / Multi / All / Except Favorite	
PRINT	Direct print	PictBridge compatible (Print size, Layout, Date setting is selectable)	
INTERFACE	USB	USB 2.0 High Speed	
	HDMI	miniHDMI TypeC (1.3a corresponding) Video: Auto / 1080i / 720p / 480p (576p in PAL system) Audio: Dolby® Digital Stereo Creator	
	Audio video output	Stereo 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.	
	Remote/External microphone input	ø 2.5mm, stereo mini jack	
	Microphone	Stereo, Wind-cut: on/off	
	Speaker	YES	
LANGUAGE	OSD language	English, German, French, Italian, Spanish, Polish, Czech, Hungarian, Russian, Chinese (Traditional), Chinese (Simplified), Dutch, Thai, Korean, Turkish, Portuguese, Arabic, Persian, Japanese, Swedish, Danish, Finnish *Check the website of the Panasonic sales company in your country or region for details on the OSD languages on the products that are available in your market.	
POWER	Battery	ID-Security Li-ion Battery Pack (7.2V, 1250mAh) (Included) Battery Charger/AC Adapter (Input: 110-240V AC, DC Cable is required)	
	Battery life*	CIPA Standard : Approx. 300 images(LCD) LVF : Approx. 320 images with LUMIX G VARIO HD 14-140mm/F4.0-5.8 ASPH./MEGA O.I.S.	
DIMENSIONS / WEIGHT	Dimensions (W x H x D)	124 x 89.6 x 45.2mm / 4.88 x 3.29 x 1.78 in	
	Weight	Approx. 385g / 13.58 oz. (Body only)	
OPERATING ENVIRONMENT	Operating temperature	0°C to 40°C (32° F to 104°F)	
	Operating humidity	10% to 80%	
STANDARD ACCESSORIES	Software	PHOTOfunSTUDIO 3.1 HD Edition SILKYPIX® Developer Studio 3.0 SE USB Driver	
	Standard accessories	Battery Charger/AC Adapter, Battery Pack, Body Cap, AV Cable, USB Connection Cable, AC Cable, DC Cable, Shoulder Strap, CD-ROM	