

2010 LUMIX® GF1 DIGITAL CAMERA



HIGH QUALITY PERFORMANCE IN AN ULTRA-COMPACT, STYLISH DESIGN
DSLR picture quality in a compact design.

HD MOVIE RECORDING IN AVCHD LITE FORMAT
Record HD quality movies.



INTELLIGENT AUTO MODE WITH PERIPHERAL DEFOCUS
Automatically adjusts to ensure great photos under any condition.

- Digital Interchangeable Lens System
- 14–45mm Zoom Lens Kit (28–90mm in 35mm Equivalent): DMC-GFIK-K
- 20mm Pancake Lens Kit (40mm in 35mm Equivalent): DMC-GFIC-K
- Micro Four-Thirds System
- Built-In Flash
- 12.1 Megapixel Live MOS Sensor
- Venue Engine HD

Panasonic LUMIX®

2010 LUMIX® DMC-GF1 Digital Camera Specifications

		DMC-GF1	
TYPE	Type	Digital interchangeable lens system camera	
	Recording media	Recording media SD memory card, SDHC memory card	
	Image sensor size	17.3 x 13.0 mm (in 4:3 aspect ratio)	
IMAGE SENSOR	Lens mount	Micro Four Thirds mount	
	Type	Live MOS Sensor	
	Total pixels	13.1 Megapixels	
	Camera effective pixels	12.1 Megapixels	
	Color filter	Primary color filter	
RECORDING SYSTEM	Dust reduction system	Supersonic wave filter	
	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 Lite / QuickTime Motion JPEG	
	Aspect ratio	4:3, 3:2, 16:9, 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] 4000 x 2672(L), 2816 x 1880(M), 2048 x 1360(S) [16:9] 4000 x 2248(L), 2816 x 1584(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: 640 x 480, 30fps
		Motion JPEG	[HD] 1280 x 720, 30fps
		AVCHD LITE	[HD] 1280 x 720, 60p (sensor output is 30fps)[SH: 17Mbps, H: 13Mbps, L: 9Mbps]
		NTSC	—
	Continuous recordable time (Motion Images)	AVCHD Lite with picture quality set to [SH]: Approx. 210 min with H-H020/Approx. 170 min with H-FS014045 Motion JPEG with picture quality set to [HD]: Approx. 210 min with H-H020/Approx. 170 min with H-FS014045	
	Actual recordable time (Motion Images)	AVCHD Lite with picture quality set to [SH]: Approx. 110 min with H-H020/Approx. 100 min with H-FS014045 Motion JPEG with picture quality set to [HD]: Approx. 110 min with H-H020/Approx. 100 min with H-FS014045	
FOCUS	Type	Contrast AF system	
	Focus mode	AFS/AF/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 (Standard Output 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	
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) 2sec/10sec/10sec, 3 images	
	Self timer	Remote control with bulb function by DMW-RSL1 (Optional)	
	Remote control	Portrait/Soft Skin/Scenery/Architecture/Sports/Peripheral Defocus/Flower/Food/Objects/Night Portrait/Night Scenery/Illuminations/Baby 1,2/Pet/Party/Sunset	
SCENE MODE	Still Image SCN mode	Portrait/Soft Skin/Scenery/Architecture/Sports/Peripheral Defocus/Flower/Food/Objects/Night Portrait/Night Scenery/Illuminations/Baby 1,2/Pet/Party/Sunset	
	Movie SCN mode	Portrait/Soft Skin/Scenery/Architecture/Sports/Flower/Food/Objects/Low Light/Party/Sunset (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 or other related mode.)	
MY COLOR MODE	My Color Mode	Expressive/Retro/Pure/Elegant/Monochrome/Dynamic Art/Silhouette/Custom/Color/Brightness/Saturation/adjustable	
BURST SHOOTING	Burst speed	3 frames/sec (High speed) or 2 frames/sec (Low speed)	
BUILT-IN FLASH	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)*	
	Type	TTL Built-in Flash, GN6.0 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	
LCD MONITOR	Flash synchronization	1st. Curtain Sync, 2nd Curtain Sync.	
	Hot shoe	TTL Auto with FL220/FL360/FL500(Optional)	
	Type	Low temperature Polycrystalline TFT LCD	
	Monitor size	3.0inch/3:2 Aspect/Wide viewing angle	
LIVE VIEW	Field of view	460K dots	
	Monitor adjustment	Approx. 100%	
	LCD mode	Brightness (7 levels), Color (7 levels) Off/Auto Power LCD/Power LCD	
FILM MODE	Digital zoom	2x, 4x	
	Extra optical zoom	Max 2x	
	Other functions	(Not effective with L size recording, Magnification ratio depends on the recording pixels and aspect ratio.) Guide Lines (3 patterns) Real-time Histogram	
PLAYBACK	Color	Standard/Dynamic/Nature/Smooth/Nostalgic/Vibrant	
	Black and white	Standard/Dynamic/Smooth	
	Others	My Film1/My Film2/Multi Film	
IMAGE PROTECTION/ERASE	Playback mode	Normal playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Slideshow, Playback Mode (Normal/Picture/AVCHD Lite/Motion JPEG/Category/Favorite), Title Edit, Text Stamp, Resize, Trimming, Aspect Conversion, Rotate, Rotate Display, Print Set, Protect, Audio Dubbing	
	Protection	Single/Multi or Cancel	
PRINT	Erase	Single/Multi/All/Except Favorite	
	Direct print	PictBridge compatible Print size, Layout, Date setting is selectable	
INTERFACE	USB	USB 2.0 High Speed	
	HDMI	miniHDMI TypeC Video: Auto/1080i/720p/480p Audio: Dolby® Digital Creator	
	Audio video output	Monaural Type, NTSC	
	Remote	2.5mm.	
	Built-in microphone	Monaural, Wind-cut: Off/Low/Standard/High	
	External microphone terminal	NO	
LANGUAGE	Speaker	YES	
	OSD language	English/Spanish/French/Portuguese	
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. 380 images(LCD), Approx. 430 images(optional LVF) with H-H020/Approx. 350 images(LCD), Approx. 400 images(optional LVF) with H-FS014045	
DIMENSIONS/WEIGHT	Dimensions (W x H x D)	119 x 71 x 36.3mm / 4.69 x 2.80 x 1.43 in	
OPERATING ENVIRONMENT	Weight	Approx. 285g / 10.05 oz Body only	
	Operating temperature	0°C to 40°C (32°F to 104°F)	
STANDARD ACCESSORIES	Operating humidity	10% to 80%	
	Software	PHOTO!unSTUDIO 4.0 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, Shoulder Strap, CD-ROM	