

DMC-GX1
Compact System Camera

High Image Quality with 16.0 - megapixel Live MOS Sensor and Venus Engine

Advanced AF System with High Speed, High Accuracy and Touch Operation

Easy Manual Control with a Variety of Shooting Assist Functions

Finest Tuning in Every Part of the Camera

1920 x 1080 Full-HD High Quality Video Recording

Outstanding Performance in Power, Speed and Image Processing

LUMIX G Micro System - Interchangeable Lens Digital Camera

LUMIX G Micro System Camera GX1 - Superb Image Quality and Performance Combined with a Premium Design



eShop Price*: **757.99 GBP**

*Panasonic UK Online Shop (eShop) Price

TYPE

Type	Digital interchangeable lens system camera
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

IMAGE SENSOR

Type	Live MOS Sensor
Total pixels	16.68 Megapixels
Camera effective pixels	16.0 Megapixels
Colour filter	Primary color filter
Dust reduction system	Supersonic wave filter

RECORDING SYSTEM

Recording file format	Still Image: JPEG(DCF, Exif 2.3), RAW, MPO (When attaching 3D lens in Micro Four Thirds standard) Motion Image: AVCHD (Audio format: Dolby Digital 2 ch) / MP4 (Audio format AAC 2ch)
Aspect ratio	4:3, 3:2, 16:9, 1:1
Image quality	RAW, RAW+Fine, RAW+Standard, Fine, Standard, MPO+Fine, MPO+Standard (with 3D lens in Micro Four Thirds System standard)



Award

2011-12-22T12:13:00
DMC-GX1, CNET, Editors Choice Award, December 2011



Award

2011-12-05T17:37:00
DMC-GX1, What Digital Camera, Gold Award, December 2011

Color Space sRGB, Adobe RGB

File size(Pixels)

Still Image	[4:3] 4592x3448(L) / 3232x2424(M) / 2272x1704(S) / 1824x1368(When attaching 3D lens in Micro Four Third System standard) [3:2] 4576x3056(L) / 3232x2160(M) / 2272x1520(S) / 1824x1216(When attaching 3D lens in Micro Four Third System standard) [16:9] 4576x2576(L) / 3232x1824(M) / 1920x1080(S) / 1824x1024 (When attaching 3D lens in Micro Four Third System standard) [1:1] 3424 x 3423 (L) / 2416 x 2416 (M) / 1712 x 1712 (S) / 1712x1712 (When attaching 3D lens in Micro Four Third System standard)
Motion Image (MP4* : NTSC)	[Full HD] 1920 x 1080, 30fps (sensor output is 30p) (Approx.20Mbps)
Motion Image (MP4* : NTSC)	[HD] 1280 x 720, 30fps (sensor output is 30p) (Approx.10Mbps)
Motion Image (MP4* : NTSC)	[VGA] 640x480, 30fps (sensor output is 30p) (Approx.4Mbps)
Motion Image (MP4* : PAL)	[Full HD] 1920 x 1080, 25fps (sensor output is 25p) (Approx.20Mbps)
Motion Image (MP4* : PAL)	[HD] 1280 x 720, 25fps (sensor output is 25p) (Approx.10Mbps)
Motion Image (MP4* : PAL)	[VGA] 640x480, 25fps (sensor output is 25p) (Approx.4Mbps)
Motion Image (AVCHD* : NTSC)	[Full HD] 1920x1080, 60i (sensor output is 30p) (FSH:17Mbps) [HD] 1280 x 720, 60p (sensor output is 30p)(SH:17Mbps)
Motion Image (AVCHD* : PAL)	[Full HD] 1920x1080, 50i (sensor output is 25p) (FSH:17Mbps) [HD] 1280 x 720, 50p (sensor output is 25p)(SH:17Mbps)
Continuous recordable time (Motion images)	AVCHD with picture quality set to [FSH]: Approx. 140 min with H-PS14042 / Approx. 130 min with H-FS014042 / Approx. 150 min with H-H014
Actual recordable time (Motion images)	AVCHD with picture quality set to [FSH]: Approx. 70 min with H-PS14042 / Approx. 65 min with H-FS014042 / Approx. 75 min with H-H014

FOCUS

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 Touch (1- area-focusing in Face detection / AF Tracking / Multi-area-focusing / 1-area-focusing / Pinpoint)
AF detective range	EV 0 - 18 (ISO100 equivalent)
AF assist lamp	YES
AF lock	Set the Fn button in custom menu to AF/AE lock or Shutter button half-way pressed in AFS mode
Others	Quick AF, Continuous AF (during motion image recording), AF+MF, Touch shutter, Touch MF Assist

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, ISO100 equivalent)
Exposure mode	Program AE, Aperture Priority AE, Shutter Priority AE, Manual, Auto
ISO sensitivity (Standard Output Sensitivity)	Auto / Intelligent ISO / 160 / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 (Changeable to 1/3 EV step)



Award

2012-01-04T17:49:00
DMC-GX1, Photography Blog, Highly Recommended, January 2012



Award

2012-01-04T17:54:00
DMC-GX1, Pocket-lint, Hot Product, January 2012



Award

2012-01-17T12:48:08
DMC-GX1, Expert Reviews, Best Buy Award, January 2012



Award

2012-01-23T13:39:30
DMC-GX1, ePHOTOzine, Highly Recommended, January 2012

Exposure compensation	1/3EV Step ±5EV
AE lock	Set the Fn button in custom menu to AE lock
AE bracket	3,5,7 frame, in 1/3, 2/3 or 1 EV Step, ±3 EV

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	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. 2 minutes) Motion image: 1/16000 ~ 1/30 (NTSC), 1/16000 ~ 1/25 (PAL)
Self timer	10sec, 3 images/ 2sec / 10sec
Remote control	Remote control with bulb function by DMW-RSL1 (Optional)

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 mode suitable for the recording situation.)

CREATIVE CONTROL

Creative control	(Still image & Motion image) Expressive / Retro / High key / Low key / Sepia / High Dynamic / Toy effect / Miniature effect
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BURST SHOOTING

Burst speed	SH: 20 frames/sec, H: 4.2 frames/sec (When AFS mode), M: 3 frames/sec (with Live View), L: 2 frames/sec (with Live View)
Number of recordable images	9 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, GN7.6 equivalent (ISO 160 ·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



Award

2012-01-27T10:32:59
DMC-GX1, Trusted Reviews, Recommended Award, January 2012



Award

2012-01-27T10:08:00
DMC-GX1, ePHOTOzine, Editor's Choice Award, January 2012



Award

2012-02-07T16:14:00
DMC-GX1, Stuff, Hot Buy Award, February 2012



Award

2012-02-01T17:56:00
DMC-GX1, Digital Photo, Gold Award, February 2012

Hot shoe TTL Auto with FL220 / FL360 / FL500 (Optional)

ZOOM

Additional zoom operation Touch Zoom (when use power zoom lenses*) *H-PS14042 lens and H-PS45175 lens

Digital zoom 2x, 4x

LCD MONITOR

LIVE VIEW functions Guide Lines (3 patterns)

LIVE VIEW functions Real-time Histogram

Type TFT LCD with Touch panel

Monitor size 3.0inch / 3:2 Aspect / Wide-viewing angle

Pixels 460K dots

Filed of view Approx. 100%

Monitor adjustment Brightness (7 levels), Contrast and Saturation (7 levels), Red tint (7 levels), Blue tint (7 levels)

EXTRA TELE CONVERSION

Extra Tele Conversion Still image: Max.2x (Not effective with L size recording. Magnification ratio depends on the recording pixels and aspect ratio.)

Extra Tele Conversion Motion image: Max.4.8x (Magnification ratio depends on the recording quality and aspect ratio.)

LEVEL GAUGE

Level Gauge Yes (Built-in 3 shaft accelerometer sensor)

DIRECTION DETECTION FUNCTION

Direction Detection Function Yes

FUNCTION BUTTON

Fn1, Fn2, Fn3*, Fn4*(Touch icons on LCD monitor) ONE PUSH AE /PREVIEW / LEVEL GAUGE / FOCUS AREA SET / PHOTO STYLE / ASPECT RATIO / PICTURE SIZE / QUALITY / METERING MODE / FLASH / FLASH ADJUST. / I.RESOLUTION / I.DYNAMIC / EX. TELE CONV. /

Fn1, Fn2, Fn3*, Fn4*(Touch icons on LCD monitor) DIGITAL ZOOM / STABILIZER / SENSITIVITY / WHITE BALANCE / AF MODE /DRIVE MODE / MOTION PIC. SET / PICTURE MODE / HISTOGRAM / GUIDE LINE / REC AREA

CUSTOM MENUE

C1, C2-1/2/3 Yes (Registering Personal Menu Settings)

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/Video/3D Play/Category/Favorite),

Title Edit, Text Stamp, Video Divide, Resize, Cropping, Aspect Conversion, Rotate, Rotate Display, Favorite, Print set, Protect, Face Recognition Edit



Award
2012-02-01T17:54:00
DMC-GX1, Photo Professional, Editors Choice Award, February 2012



Award
2012-03-01T11:07:54
DMC-GX1, Stuff, Test Winner Award, March 2012



Award
2012-03-01T15:23:51
DMC-GX1, Advanced Photographer, Best On Test, March 2012



Award
2012-04-02T17:18:00
DMC-GX1, Computer Shopper, Best Buy, April 2012

IMAGE PROTECTION / ERASE

Protection	Single / Multi, Single in Burst Group / Multi in Burst Group, Cancel
Erase	Single / Multi / All / Except Favorite

PRINT

Direct Print	PictBridge compatible(Print size, Layout, Date setting are selectable)
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INTERFACE

USB	USB 2.0 High Speed
HDMI	miniHDMI TypeC Video: Auto / 1080i / 720p / 480p (576p in PAL system) Audio: Linear PCM
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.
Remote	Remote socket
Microphone	Stereo, Wind-cut: Off / Auto Microphone level adjustable: Lv1 / Lv2 / Lv3 / Lv4
Speaker	Monaural

LANGUAGE

OSD language	Japanese, English, German, French, Italian, Spanish
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GENERAL

Power	
Battery	Li-ion Battery Pack (7.2V, 1010mAh) (Included) Battery Charger
Battery life (CIPA standard)	Approx. 310 images with H-PS14042
Dimensions (W x H x D)	116.3 x 67.8 x 39.4 mm / 4.58 x 2.67 x 1.55 inch (excluding protrusions)
Weight	Approx. 318g / 11.22 oz (SD card, Battery, Body) Approx. 272g / 9.59 oz (Body only) Approx. 413g / 14.59 oz (SD card, Battery, H-PS14042 lens included)

Operating Environment

Operating temperature	0 to 40 (32°F to 104°F)
Operating humidity	10% RH to 80% RH

Standard Accessories

Software	PHOTOfunSTUDIO 7.0 HD Edition SILKYPIX® Developer Studio 3.1 SE LoiLoScope (trial version) USB Driver
Standard accessories	Battery Charger, Body Cap, Lens Cap, Lens Rear Cap USB Connection Cable, Shoulder Strap, CD-ROM



Award
2012-03-09T12:06:40
DMC-GX1, Photography for Beginners, Editor's Choice Award, March 2012



Award
2012-03-19T15:19:48
DMC-GX1, Cameralabs, Recommended Award, March 2012



Award
2012-04-20T16:53:40
DMC-GX1, Computer Active, Buy It! Award, April 2012



DMW-LVF2E



H-F008E

INTERCHANGEABLE LENS-1

Nano Surface Coating	Yes
Aperture range	F3.5(Wide) - F5.6(TELE)
Lens Name	LUMIX G X VARIO PZ 14-42mm/F3.5-5.6 ASPH/POWER O.I.S
Lens Construction	9 elements in 8 groups (4 aspherical lenses , 2 ED lens)
Mount	Micro Four Thirds mount
Optical Image Stabilizer	YES (POWER OIS)
Focal Length	f=14-42mm (35mm camera equivalent 28-84mm)
Aperture Type	7 diaphragm blades / Circular aperture diaphragm
Minimum Aperture	F22
Closest Focusing Distance	0.2m / 0.66ft (14-20mm), 0.3m / 0.98ft (21-42mm)
Maximum magnification	Approx. 0.17x / 0.34x (35mm camera equivalent)
Diagonal Angle of View	75°(Wide) to 29°(TELE)

General

Others	Electric zoom lever, Manual focus lever
Filter Size	φ37mm / 1.5in
Max. Diameter	φ61mm / 2.4in
Overall Length	Approx. 26.8mm / 1.1in (When the lens is retracted.)
Weight [g]	Approx. 95g (excluding lens cap and lens rear cap)
Weight [oz]	Approx. 3.4oz (excluding lens cap and lens rear cap)
NOTE	* Use a card with SD Speed Class with "Class4" or higher



H-FS045200E



H-FS100300E



H-PS14042E-K



H-FS014045E



H-PS14042E-K



H-PS45175E-K



H-H020E

H-H014E



H-FT012E



H-X025E



H-ES045E



H-VS014140E



H-F007014E



DMW-MA1E



DMW-MA2ME



DMW-MA3RE



DMW-FL500E



DMW-FL360E





DMW-FL220E



DMW-CZ18E



DMW-RSL1E



H-PS14042E-K



H-PS14042E-S

