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DMC-GF5
Compact System Camera

12.1-megapixel Live MOS Sensor with Advanced Noise Reduction System

Stylish Compact Round-form Body Design

Creative Control of 14 Filters and Scene Guide of 23 Scenes

Ultra High-speed 0.09 sec AF and Selectable Focus Mode

Full HD Video Recording in Both AVCHD and MP4 Format

920-K dot High-resolution LCD Featuring Smart Touch-screen

LUMIX G Compact System - Interchangeable Lens Digital Camera

LUMIX G Compact System Camera GF5 - Stylish Round-form Body Design Featuring Higher Image Quality and Advanced AF System

eShop Price*: **658.99 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	13.06 Megapixels
Camera effective pixels	12.10 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)
Color Space	sRGB, Adobe RGB

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File size(Pixels)

Still Image	[4:3] 4000x3000(L) / 2816x2112(M) / 2048x1536(S) / 1600x1200(When attaching 3D lens in Micro Four Third System standard)
	[3:2] 4000x2672(L) / 2816x1880(M) / 2048x1360(S) / 1600x1064(When attaching 3D lens in Micro Four Third System standard)
	[16:9] 4000x2248(L) / 2816x1584(M) / 1920x1080(S) / 1600x904(When attaching 3D lens in Micro Four Third System standard)
	[1:1] 2992 x 2992 (L) / 2112 x 2112 (M) / 1504 x 1504 (S) / 1440x1440 (When attaching 3D lens in Micro Four Third System standard)
Motion Image (MP4*1 : NTSC)	[Full HD]1920×1080(sensor output is 30p)
	[HD]1280x720(sensor output is 30p)
	[VGA] 640x480(sensor output is 30p)
Motion Image (MP4*1 : PAL)	[Full HD] 1920×1080(sensor output is 25p)
	[HD] 1280x720(sensor output is 25p)
	[VGA] 640x480(sensor output is 25p)
Motion Image (AVCHD*1 : NTSC)	[Full HD] 1920×1080, 60i (sensor output is 30p) (FSH:17Mbps)
	[HD] 1280 x 720, 60p (sensor output is 30p)(SH:17Mbps)
Motion Image (AVCND*1 : PAL)	[Full HD] 1920×1080, 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-H014
	AVCHD with picture quality set to [FSH]: Approx. 120 min with H-FS014042
	AVCHD with picture quality set to [FSH]: Approx. 130 min with H-PS14042
Actual recordable time (Motion images)	AVCHD with picture quality set to [FSH]: Approx. 70 min with H-H014
	AVCHD with picture quality set to [FSH]: Approx. 60 min with H-FS014042
	AVCHD with picture quality set to [FSH]: Approx. 65 min with H-PS14042

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/Pin-point
AF detective range	EV 0 - 18 (ISO100 equivalent)
AF assist lamp	YES
AF lock	Set the Fn button in custom menu to AF lock
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,
ISO sensitivity (Standard Output Sensitivity)	Auto / Intelligent ISO / 160 / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 (Extended)
	(Changeable to 1/3 EV step)
Exposure compensation	1/3EV Step ±3EV

Award
2012-06-01T15:32:33
DMC-GF5, Amateur Photographer, 'Very Good' Award, June 2012

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AE lock	Set the Fn button in custom menu to AE lock
AE bracket	3,5 frame, in 1/3 or 2/3 EV Step, ±4/3 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

SCENE GUIDE

Still image	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 Glow / Glistening Water / Clear Nightscape / Cool Night Sky /
	Warm Glowing Nightscape / Artistic Nightscape / Glittering Illuminations / Clear Night Portrait / Soft Image of a Flower / Appetizing Food / Cute Dessert / Freeze Animal Motion / Clear Sports Shot / Monochrome
Video	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 Glow / Clear Nightscape / Cool Night Sky /
	Warm Glowing Nightscape / Artistic Nightscape / Clear Night Portrait / Appetizing Food / Cute Dessert / Freeze Animal Motion / Clear Sports Shot / Monochrome

SHUTTER

Type	Focal-plane shutter
Shutter speed	Still Images: 1/4000 ~ 60
	Motion image: 1/16000 ~ 1/30 (NTSC), 1/16000 ~ 1/25 (PAL)
Self timer	10sec, 3 images/ 2sec / 10sec

BURST SHOOTING

Burst speed	H: 4.0 frames/sec(with AFS), M: 3.0 frames/sec (with Live View), L: 2.0 frames/sec (with Live View)
Number of recordable images	4 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, GN6.3 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 synchronization	1st. Curtain Sync

LCD MONITOR

Type	TFT LCD with Touch panel

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Monitor size	3.0inch / 3:2 Aspect / Wide-viewing angle
Pixels	920K dots
Filed of view	Approx. 100%
Monitor adjustment	Brightness (7 levels), Contrast and Saturation (7 levels), Red tint (7 levels), Blue tint (7 levels)

LIVE VIEW

Digital zoom	2x, 4x
Extra Tele Conversion	Still image: Max.2x (Not effective with L size recording. Magnification ratio depends on the recording pixels and aspect ratio.) Motion image: 3.1x (SH in AVCHD and HD in MP4), 4.2x (VGA in MP4)
Other functions	Guide Lines (3 patterns) Real-time Histogram

CREATIVE CONTROL

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
Video	Expressive / Retro / High Key / Low Key / Sepia / Dynamic Monochrome / Impressive Art / High Dynamic / Cross Process / Toy Effect / Miniature Effect / One Point Color

PHOTO STYLE

Still image and Video	Standard / Vivide / Natural / Monochrome / Scenery / Portrait / Custom

LEVEL GAUGE

Level Gauge	No

DIRECTION DETECTION FUNCTION

Direction Detection Function	Yes

FUNCTION BUTTON

Fn1, Fn2, Fn3	ONE PUSH AE / AF/AE LOCK / PREVIEW / PHOTO STYLE / ASPECT RATIO / PICTURE SIZE / QUALITY / FOCUS MODE/ METERING MODE / FLASH / I.RESOLUTION / I.DYNAMIC / EX. TELE CONV. / DIGITAL ZOOM / STABILIZER / SENSITIVITY / MOTION PIC. SET / HISTOGRAM / GUIDE LINE / STEP ZOOM / ZOOM SPEED /REC AREA

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, Rotate, Favorite, Print set, Protect, Face Recognition Edit

IMAGE PROTECTION / ERASE

Protection	Single / Multi, Cancel
Erase	Single / Multi / All / Except Favorite

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PRINT

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

INTERFACE

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

LANGUAGE

OSD language	Japanese, English, German, French, Italian, Spanish(English) * Check the website of Panasonic sales company in your country / region or ask customer support for details of the OSD language available on the products sold in your country / region.

POWER

Battery	Li-ion Battery Pack (7.2V, 940mAh) (Included) Battery Charger
Battery life (CIPA standard) *2	Approx. 330 images with H-PS14042

Dimensions/ Weight

Dimensions (W x H x D)	107.7 x 66.6 x 36.8 mm / 4.24 x 2.62 x 1.45 inch (excluding protrusions)
Weight	Approx. 267g / 9.42 oz (SD card, Battery, Body) Approx. 225g / 7.94 oz (Body only) Approx. 362g / 12.77 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 8.2 AE SILKYPIX® Developer Studio 3.1SE Super LoiLoScope (trial version) USB Driver
Standard accessories	Body, LUMIX G X VARIO PZ 14-42mm / F3.5-5.6 ASPH. / POWER O.I.S. (H-PS14042), Lens Cap, Battery Charger, Battery Pack, USB Connection Cable, Shoulder Strap, CD-ROM • Body cap is not included for the DMC-GF5X kit. • Lens rear cap of H-PS14042 lens is not included for the DMC-GF5X kit.

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INTERCHANGEABLE LENS-1

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)
Nano Surface Coating	Yes
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
Aperture range	F3.5(Wide) - F5.6(TELE)
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

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)
Others	Electric zoom lever, Manual focus lever
NOTE	* Use a card with SD Speed Class with "Class4" or higher *2 With eco mode