

DMC-GH2

Micro System Digital Camera

- 5 fps in 16.05-megapixel Full Resolution and Venus Engine FHD
- 1920 x 1080 50i Full-HD Movies in AVCHD Format.
- Intuitive Touch-control Shooting and Double Live View
- 3D Shooting Compatible
- Artistic Images with My Color Mode, Film Mode and Variable Movie Mode
- Advanced Intelligent Resolution Technology, Intelligent D-Range Control
- LUMIX G Micro System - Interchangeable Lens Digital Camera



LUMIX G Micro System Digital Camera GH2 - Creative Machine with Full-HD Movie and High-speed Response

899.99 GBP

TYPE

Type	Digital interchangeable lens system camera
Recording media	SD memory card, SDHC memory card, SDXC memory card
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	18.31 Megapixels
Camera effective pixels	16.05 Megapixels
Colour filter	Primary colour filter
Dust reduction system	Supersonic wave filter

RECORDING SYSTEM

Recording file format	Still Image: JPEG(DCF, Exif 2.3), RAW, DPOF compatible MPO (When attaching 3D lens in Micro Four Thirds standard) 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, MPO+Fine, MPO+Standard (with 3D lens in Micro Four Thirds standard)
Color Space	sRGB, Adobe RGB

File size(Pixels)

Motion Image (AVCHD : NTSC)	[Full HD] 1920×1080, 24p (24H:24Mbps,24L:17Mbps) [Full HD] 1920×1080, 60i (sensor output is 60p) (FSH:17Mbps, FH:13Mbps/AVCHD) [HD] 1280 x 720, 60p (sensor output is 60p)(SH:17Mbps, H:13Mbps/AVCHD) *2
Motion Image (AVCHD : PAL)	[Full HD] 1920×1080, 24p (24H:24Mbps,24L:17Mbps) [Full HD] 1920×1080, 50i (sensor output is 50p) (FSH:17Mbps, FH:13Mbps/AVCHD) [HD] 1280 x 720, 50p (sensor output is 50p)(SH:17Mbps, H:13Mbps/AVCHD) *2
Still Image	[4:3] 4608x3456(L) / 3264x2448(M) / 2336x1752(S) / 1920x1440(When attaching 3D lens in Micro Four Third System standard) [3:2] 4752x3168(L) / 3360x2240(M) / 2400x1600(S) / 1920x1280(When attaching 3D lens in Micro Four Third System standard) [16:9] 4976x2800(L) / 3520x1980(M) / 1920x1080(S) / 1920x1080(When attaching 3D lens in Micro Four Third standard) [1:1] 3456x3456(L) / 2448x2448(M) / 1744x1744(S) / 1792x1792(When attaching 3D lens in Micro Four Third standard)
Motion Image (Motion JPEG)	[4:3] QVGA : 320 x 240, 30fps / VGA : 640 x 480, 30fps [16:9] WVGA : 848 x 480, 30fps [HD] 1280 x 720, 30fps *1
Continuous recordable time (Motion images)	AVCHD with picture quality set to [FSH]: Approx. 120 min with H-FS014042 / Approx. 110 min with H-VS014140 Motion Jpeg with picture quality set to [FSH]: Approx. 130 min with H-FS014042 / Approx. 120 min with H-VS014140
Actual recordable time (Motion images)	AVCHD with picture quality set to [FSH]: Approx. 70 min with H-FS014042 / Approx. 65 min with H-VS014140 Motion JPEG with picture quality set to [HD]: Approx. 75 min with H-FS014042 / Approx. 70 min with H-VS014140

VIEWFINDER

Type	Live View Finder (1,533,600 dots equivalent)
Field of view	Approx. 100%
Magnification	Approx. 1.42x / 0.71x (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(dpt)
Auto eye sensor	Yes

FOCUS

Type	Contrast AF system
Focus mode	AFS/ AFC/ MF
AF mode	Face detection / AF Tracking / 23-area-focusing / 1-area-focusing Touch (1- area-focusing in Face detection / AF Tracking / Multi-area-focusing / 1-area-focusing)
AF detective range	EV 0-18
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, Touch shutter, Touch MF Assist,

EXPOSURE CONTROL

ISO sensitivity (Standard Output Sensitivity)	Auto / Intelligent ISO / 160 / 200 / 250 / 320 / 400 / 400 / 500/ 640 / 800 / 1000 / 1250 / 1600 / 2000 / 2500 / 3200 / 4000 / 5000 / 6400 / 8000 / 10000 / 12800
Light metering system	144-zone multi-pattern sensing system
Light metering mode	Intelligent Multiple / Center Weighted / Spot
Metering range	EV 0-18
Exposure mode	Program AE, Aperture Priority AE, Shutter Priority AE, Manual, Auto
Exposure compensation	1/3EV Step ±5EV
AE lock	AF/AE LOCK button or Shutter button halfway pressed
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 / Halogen / Flash / White Set 1, 2, 3, 4 / 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 SYSTEM

Type	Focal-plane shutter
Shutter speed	Still Images: 1/4000 ~ 60 and Bulb (up to approx. 2 minutes)
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 (Normal/Soft Skin/Outdoor/Indoor/Creative) / Scenery (Normal/Nature/Architecture/Creative) / Close-up (Flower/Food/Objects/Creative) / SCN (Peripheral Defocus/Night Portrait/Night Scenery/Sunset/Party/Sports/Baby 1,2/Pet)
Movie SCN mode	Portrait (Normal/Soft Skin/Outdoor/Indoor/Creative) / Scenery (Normal/Nature/Architecture/Creative) / Close-up (Flower/Food/Objects/Creative) / SCN (Peripheral Defocus/Night Portrait/Night Scenery/Sunset/Party/Sports/Baby 1,2/Pet) (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.)
MY COLOR MODE	(Still image & Movie) Expressive/Retro/Pure/Elegant/Monochrome/Dynamic Art/Silhouette/Custom (Color/Brightness/Saturation/ adjustable)

BURST SHOOTING

Burst speed	SH: 40 frames/sec(4M), H: 5 frames/sec, M: 3 frames/sec, L: 2 frames/sec
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, GN13.9 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.
Hot shoe	TTL Auto with FL220/FL360/FL500(Optional)

LCD MONITOR

Type	TFT LCD with Touch panel
Monitor size	Free-angle 3.0inch / 3:2 Aspect / Wide viewing angle
Pixels	460K dots
Filed of view	Approx. 100%
Monitor adjustment	Brightness (7 levels), Color (7 levels)

LIVE VIEW

Extra Tele Conversion	Still image: Max.2x, Motion image: Max.4.8x (Not effective with L size recording. Magnification ratio depends on the recording pixels and aspect ratio.)
Digital zoom	2x, 4x
Other functions	Guide Lines (3 patterns) Real-time Histogram

FILM MODE

Colour	Standard / Dynamic / Smooth / Nature / Nostalgic / Vibrant
Black and white	Standard / Dynamic / Smooth
Others	My Film1 / My Film2 / Multi Film / Cinema

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/3D Play/Category/Favorite) Title Edit Text Stamp Video Divide Resize Cropping Aspect Conversion
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Rotate
Rotate Display
Favorite
Print Set
Protect
Face Rec Edit

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)
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INTERFACE

Microphone	Stereo, Wind-cut: Off / Low / Standard / High
USB	USB 2.0 High Speed
HDMI	miniHDMI TypeC 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	φ2.5mm. stereo mini jack
Speaker	Monaural

LANGUAGE

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

Colour	Black
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Power

Battery life (CIPA standard)	Approx. 330 images (LCD), Approx. 340 images (LVF) with H-FS014042 Approx. 320 images (LCD), Approx. 330 images (LVF) with H-VS014140
Battery	ID-Security Li-ion Battery Pack (7.2V, 1200mAh) (Included) Battery Charger
Dimensions (W x H x D)	124 x 89.6 x 75.8mm / 4.88 x 3.53 x 2.98 in (excluding protrusions)
Weight	Approx.609g / 21.48 oz (SD card, Battery, 14-42mm lens included) Approx. 904g / 31.88 oz (SD card, Battery, 14-140mm lens included) Approx. 392g / 13.82 oz (Body only)

Operating Environment

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

Standard Accessories

Software	PHOTOfunSTUDIO 6.0 BD Edition SILKYPIX® Developer Studio 3.1 SE Super Loilo Scope (trial version) USB Driver
Standard accessories	Battery Charger Battery Pack Body Cap AV Cable USB Connection Cable Shoulder Strap Stylus pen CD-ROM

INTERCHANGEABLE LENS-1

Lens Name	LUMIX G VARIO 14-42mm / F3.5-5.6 ASPH. / MEGA O.I.S.
Lens Construction	12 elements in 9 groups (1 Aspherical lens)
Mount	Micro Four Thirds mount
Optical Image Stabilizer	Yes
Focal Length	f=14mm to 42mm (35mm camera equivalent 28mm to 84mm)
Aperture Type	7 diaphragm blades / Circular aperture diaphragm
Aperture	F3.5(Wide) - F5.6(Tele)
Minimum Aperture	F22
Closest Focusing Distance	0.3m / 1ft
Maximum magnification	Approx. 0.16x / 0.32x (35mm camera equivalent)
Diagonal Angle of View	75°(W) - 29°(T)

General

Filter Size	φ52mm / 2.05 in
Max. Diameter	φ60.6mm / 2.39 in
Overall Length	Approx. 63.6mm / 2.50 in (from the tip of the lens to the base side of the lens mount)
Weight [g]	Approx. 165g
Weight [oz]	Approx. 5.82oz
Standard Accessories	Lens Cap Lens Hood Lens Rear Cap Lens Storage Bag
NOTE	*1 Use a card with SD Speed Class with "Class6" or higher *2 Use a card with SD Speed Class with "Class4" or higher