

Specifications

The specifications are subject to change for performance enhancement.

Digital camera body (DC-G100):

Information for your safety

Power source:	8.4 V===
Power consumption:	2.9 W (when recording with the monitor), 2.0 W (when playing back with the monitor) <When using the interchangeable lens (H-FS12032)>

Type	
Type	Digital Single Lens Mirrorless camera
Recording media	SD memory card / SDHC memory card*1 / SDXC memory card*1 *1 Compliant with UHS-I UHS Speed Class 3
Lens mount	Micro Four Thirds mount
Image sensor	
Image sensor	4/3" Live MOS sensor, a total of 21,770,000 pixels, primary color filter
Effective number of pixels of the camera	20,300,000 pixels
Recording format for still images	
File format for still images	JPEG (DCF compliant, Exif 2.31 compliant) / RAW
File format for 4K photos	MP4 (H.264/MPEG-4 AVC, AAC (2ch))

Picture size (pixels)	<p>When the aspect ratio setting is [4:3] [L]: 5184×3888, [M]: 3712×2784, [S]: 2624×1968 4K photo: 3328×2496</p> <p>When the aspect ratio setting is [3:2] [L]: 5184×3456, [M]: 3712×2480, [S]: 2624×1752 4K photo: 3504×2336</p> <p>When the aspect ratio setting is [16:9] [L]: 5184×2920, [M]: 3840×2160, [S]: 1920×1080 4K photo: 3840×2160</p> <p>When the aspect ratio setting is [1:1] [L]: 3888×3888, [M]: 2784×2784, [S]: 1968×1968 4K photo: 2880×2880</p>
Quality	Fine / Standard / RAW+Fine / RAW+Standard / RAW
Recording format for video	
Video format	MP4 (H.264/MPEG-4 AVC, AAC (2ch))
Image quality for video	For details, refer to page 239 .
Viewfinder	
System	Aspect ratio 4:3, 0.4 inches, approx. 3,680,000 dots equivalent, Color LCD Live Viewfinder (field of view ratio about 100%)
Magnification	Approx. 0.73× (35 mm film camera equivalent) (−1.0 m ^{−1} 50 mm at infinity, with aspect ratio set to [4:3])
Eye point	Approx. 20 mm (at −1.0 m ^{−1})
Diopter adjustment range	−4.0 to +2.0 diopter

Monitor	
System	Aspect ratio 3:2, 3.0 inches, approx. 1,840,000 dots monitor, capacitive touch screen (field of view ratio about 100%)
Focus	
AF type	TTL type based on image detection (Contrast AF)
Focus mode	AFS / AFF / AFC / MF
AF mode	Face/Eye Detection, Tracking, 49-area-focusing, Custom Multi, 1-area-focusing, Pinpoint-focusing (Focus area selection is possible by touching.)
Exposure control	
Light metering system, Light metering mode	1728-zone metering, multi-metering / center-weighted metering / spot metering
Metering range	EV 0 to EV 18 (F2.0 lens, ISO100 conversion)
Exposure	Program AE (P) / Aperture-Priority AE (A) / Shutter-Priority AE (S) / Manual Exposure (M)
Exposure compensation	1/3 EV steps, ± 5 EV
ISO sensitivity (standard output sensitivity)	AUTO / Intelligent ISO / 200 to 25600, When [Extended ISO] is set: AUTO / 100 to 25600, 1/3 EV steps
White balance	
AWB / AWBc / AWBw / Daylight / Cloudy / Shade / Incandescent lights / Flash / White set 1, 2, 3, 4 / Color temperature 1, 2, 3, 4	

Shutter		
Format	Electronically-controlled, Single curtain focal-plane shutter	
Shutter speed	Pictures: Electronic front curtain: Time (max. approx. 60 seconds), 60 seconds to 1/500 of a second Electronic shutter: 1 second to 1/16000 of a second Videos: 1/25*2 of a second to 1/16000 of a second *2 When [Exposure Mode] is set to [M] in [P/M] mode and focus mode is set to [MF], this can be set up to 1/2	
Burst recording		
Electronic front curtain	High speed	6 frames/second ([AFS], [MF]) / 5 frames/second ([AFF], [AFC])
	Medium speed	4 frames/second
	Low speed	2 frames/second
Electronic shutter	High speed	10 frames/second
	Medium speed	4 frames/second
	Low speed	2 frames/second
Maximum number of frames recordable	Without RAW files: 480 frames or more With RAW files: 20 frames or more (When recording is performed under the test conditions specified by Panasonic)	
Minimum illumination		
Approx. 9 lx (when i-Low light is used, the shutter speed is 1/30th of a second) <When the Interchangeable lens (H-FS12032) is used>		

Flash	
Flash	TTL AUTO Built-in pop up flash GN 5.1 equivalent (ISO200·m) [GN 3.6 equivalent (ISO100·m)]
Flash mode	Auto, Auto/Red-Eye, Forced Flash On, Forced On/Red-Eye, Slow Sync., Slow Sync./Red-Eye, Forced Flash Off
Flash synchronization speed	Equal to or smaller than 1/50 of a second
Flash range	Approx. 0.4 m (1.3 feet) to 4.1 m (13 feet) <When the Interchangeable lens (H-FS12032) is mounted, WIDE, [ISO AUTO] is set>
Zoom	
Digital Zoom	Max. 2x
Extended Tele Conversion	When taking still pictures: Max. 2.0x (When a picture size of [S] is selected.) When recording video: 2.7x (FHD)/4.0x (HD)
Display language	
[ENGLISH]/[DEUTSCH]/[FRANÇAIS]/[ITALIANO]/[ESPAÑOL]/[繁體中文]/[PORTUGUÊS]/[日本語]	
Microphone / Speaker	
Microphone	Stereo
Speaker	Monaural
Interface	
[HDMI]	micro HDMI Type D
[USB/CHARGE]	USB 2.0 (High Speed)/USB 2.0 Micro-B
[MIC]	Ø 3.5 mm stereo mini jack

External dimensions / Mass	
External dimensions	Approx. 115.6 mm (W)×82.5 mm (H)×54.2 mm (D) (4.55" (W)×3.24" (H)×2.13" (D)) (excluding the projecting parts)
Mass (Weight)	Approx. 345 g/0.76 lb (with one card and the battery) Approx. 303 g/0.66 lb (only camera body)
Operating environment	
Recommended operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Permissible relative humidity	10%RH to 80%RH

This camera complies with the "Design rule for Camera File system" (DCF) and "Exchangeable Image File Format" (Exif) standards established by "Japan Electronics and Information Technology Industries Association" (JEITA). The camera cannot play back files that do not comply with the DCF standard. Exif is a file format for pictures which allows recording information, etc. to be added.

Interchangeable Lens	H-FS12032 “LUMIX G VARIO 12–32 mm/F3.5–5.6 ASPH./MEGA O.I.S.”
Focal length	f=12 mm to 32 mm (35 mm film camera equivalent: 24 mm to 64 mm)
Aperture type	7 diaphragm blades/circular aperture diaphragm
Maximum aperture	F3.5 (Wide) to F5.6 (Tele)
Minimum aperture value	F22
Lens construction	8 elements in 7 groups (3 aspherical lenses, 1 ED lens)
In focus distance	0.2 m (0.66 feet) to ∞ (from the focus distance reference line) (focal length 12 mm to 20 mm), 0.3 m (0.98 feet) to ∞ (from the focus distance reference line) (focal length 21 mm to 32 mm)
Maximum image magnification	0.13x (35 mm film camera equivalent: 0.26x)
Optical Image Stabilizer	Available
Mount	Micro Four Thirds mount
Angle of view	84° (Wide) to 37° (Tele)
Filter diameter	37 mm
Max. diameter	Ø 55.5 mm (2.2 inch)
Overall length	Approx. 24 mm (0.94 inch) (from the tip of the lens to the base side of the lens mount when the lens barrel is recessed)
Mass (Weight)	Approx. 67 g/0.15 lb
Recommended operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Permissible relative humidity	10%RH to 80%RH