

## PowerShot G1X Mark III

### Camera User Guide

- Make sure you read this guide, including the “Safety Instructions” (15) section, before using the camera.
- Reading this guide will help you learn to use the camera properly.
- Store this guide safely so that you can use it in the future.
- Click the buttons in the lower right to access other pages.
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ENGLISH



## Specifications






### Image Sensor

Image size .....APS-C  
Camera Effective Pixels  
(Pixels may decrease due to image  
processing) .....Approx. 24.2 megapixels  
Total pixels .....Approx. 25.8 megapixels

### Lens

Focal Length  
(35mm film equivalent) ..... 15.0 - 45.0 mm (24 - 72 mm)  
Zoom Magnification .....3x

Shooting Range (measured from the tip of the lens)

Shooting Mode	Focus Range	Maximum Wide Angle (  )	Maximum Telephoto (  )
<b>AUTO</b>	—	10 cm – infinity (3.9 in. – infinity)	30 cm – infinity (11.8 in. – infinity)
Other modes		10 cm – infinity (3.9 in. – infinity)	30 cm – infinity (11.8 in. – infinity)
	 	10 – 50 cm (3.9 in. – 1.6 ft.)	—

Step Zoom .....24 mm, 28 mm, 35 mm, 50 mm,  
72 mm

### Shutter

#### Shutter Speed

Auto Mode (automatic settings)  
Max. Tv ..... 1 sec.  
Min. Tv ..... 1/2000 sec.  
Range in all shooting modes  
Max. Tv ..... 30 sec.  
Min. Tv ..... 1/2000 sec.

### Aperture

#### F number

Wide angle .....2.8 - 16.0  
Telephoto .....5.6 - 16.0

### Flash

#### Built-in Flash

Flash range (Max. wide angle)  
closest point .....Approx. 50.0 cm (approx. 1.6 ft.)  
farthest point .....Approx. 9.0 m (approx. 29.5 ft.)  
Flash range (Telephoto end)  
closest point .....Approx. 50.0 cm (approx. 1.6 ft.)  
farthest point .....Approx. 4.5 m (approx. 14.8 ft.)

### Viewfinder/Monitor

#### Electronic color viewfinder

Screen Size .....0.39 type  
Pixels .....Approx. 2.36 million dots

#### Monitor

Type .....TFT color liquid crystal  
Screen Size .....3.0 type  
Effective Pixels .....Approx. 1.04 million dots

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## Shooting

### Digital zoom

Magnification.....	Approx. 4x
Maximum with optical zoom.....	Approx. 12x
Focal Length (Telephoto end, 35mm film equivalent) .....	Approx. 288 mm equivalent

### Continuous Shooting

#### Shooting speed\*

##### One-Shot AF

High-speed Continuous

shooting speed .....Max approx. 9.0 shots/sec.

##### Servo AF

High-speed Continuous

shooting speed .....Max approx. 7.0 shots/sec.

\* Continuous shooting speed may become slower due to the following factors:  
Tv value/Av value/Subject conditions/Brightness/Shooting with flash/Zoom  
positions/Battery level

## Recording

File Format.....DCF-compliant DPOF compatible  
(Version1.1)

### Data Type

#### Still Images

Recording Format.....Exif2.3 (DCF2.0)

Image (RAW images taken while

shooting are A/D converted into

12-bit format.) .....JPEG/RAW (CR2 a Canon 14-bit  
RAW format)

#### Movies

Recording Format.....MP4

Video.....MPEG-4 AVC/H.264

Audio .....MPEG-4 AAC-LC (stereo)

Using a 16 GB (UHS-I) memory card

Pixels	Frame Rate/ Video System	Total Recording Time Per Memory Card (Approx.)	Single Clip Recording Time (Approx.)
$\overline{\text{FHD}}$ (1920 x 1080)	$\overline{\text{FHD}} 59.94\text{P}$ (NTSC) $\overline{\text{FHD}} 50.00\text{P}$ (PAL)	59 min. 30 sec.	9 min. 59 sec.
	$\overline{\text{FHD}} 29.97\text{P}$ $\overline{\text{FHD}} 23.98\text{P}$ (NTSC) $\overline{\text{FHD}} 25.00\text{P}$ (PAL)	1 hr. 26 min. 5 sec.	29 min. 59 sec.
$\overline{\text{HD}}$ (1280 x 720)	$\overline{\text{HD}} 29.97\text{P}$ (NTSC) $\overline{\text{HD}} 25.00\text{P}$ (PAL)	4 hr. 5 min. 15 sec.	29 min. 59 sec.
$\overline{\text{VGA}}$ (640 x 480)	$\overline{\text{VGA}} 29.97\text{P}$ (NTSC) $\overline{\text{VGA}} 25.00\text{P}$ (PAL)	10 hr. 22 min. 35 sec.	59 min. 59 sec.

\* Single-time recording will stop automatically when single recording reaches maximum recordable time, the file size reaches 4 GB or the memory card becomes full.

On some memory cards, recording may stop before the maximum recording time has elapsed.

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## Power

Battery Pack .....NB-13L

Number of Still Image Shots (CIPA compliant: room temperature 23°C / 73°F)	Screen (Monitor) On	Approx. 200 shots
	Viewfinder On	Approx. 200 shots
Number of Still Image Shots (Eco Mode On)	Screen (Monitor) On	Approx. 250 shots
Movie Recording Time (CIPA compliant: room temperature 23°C / 73°F)	Screen (Monitor) On	Approx. 45 min.
	Viewfinder On	Approx. 45 min.
Movie Recording Time (Continuous Shooting)	Screen (Monitor) On	Approx. 80 min.
	Viewfinder On	Approx. 80 min.
Playback Time*		Approx. 4 hr.

\* Time when playing back a slideshow of still images

## Interface

### Wired

Digital terminal  
(Hi-Speed USB compliant) ..... Micro USB  
HDMI OUT terminal ..... Type D

### Wireless

NFC ..... NFC Forum Type3/4 Tag compliant  
(Dynamic)

### Bluetooth

Compliance standards ..... Bluetooth Ver. 4.1  
(Bluetooth low energy technology)  
Transmission scheme ..... GFSK modulation scheme

### Wi-Fi

Compliance standards ..... IEEE 802.11b/g/n  
Transmission frequency  
Frequency ..... 2.4 GHz  
Channels ..... 1 – 11

### Security

Infrastructure mode ..... WPA2-PSK (AES/TKIP),  
WPA-PSK (AES/TKIP), WEP  
\* Wi-Fi Protected Setup compliant

Camera access point mode ..... WPA2-PSK (AES)  
Ad hoc mode ..... WPA2-PSK (AES)

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## Operating Environment

Temperature .....Min. 0 °C, max. 40 °C  
(Min. 32 °F, max. 104 °F)

## Dimensions (CIPA Compliant)

W .....Approx. 115.0 mm (approx. 4.5 in.)  
H .....Approx. 77.9 mm (approx. 3.1 in.)  
D .....Approx. 51.4 mm (approx. 2.0 in.)

## Weight (CIPA Compliant)

Camera Body Only .....Approx. 375 g (approx. 13.2 oz.)  
Including Battery Pack, Memory Card .....Approx. 399 g (approx. 14.1 oz.)

## Battery Pack NB-13L

Type: Rechargeable lithium-ion battery  
Nominal voltage: 3.6 V DC  
Nominal capacity: 1250 mAh  
Charging cycles: Approx. 300 times  
Operating temperatures: 0 – 40 °C (32 – 104 °F)

## Battery Charger CB-2LH/CB-2LHE

Rated input: 100 – 240 V AC (50/60 Hz)  
0.09 A (100 V) – 0.06 A (240 V)  
4.2 V DC, 0.7 A  
Rated output:  
Charging time: Approx. 2 hr. 10 min. (when using NB-13L)  
Operating temperatures: 5 – 40 °C (41 – 104 °F)

## Compact Power Adapter CA-DC30/CA-DC30E

Rated input: 100 – 240 V AC (50/60 Hz)  
0.07 A (100 V) – 0.045 A (240 V)  
Rated output: 5.0 V DC, 0.55 A  
Charging time: Approx. 2 hr. 50 min.\* (when charged with NB-13L in the camera)  
\*Charging time varies greatly depending on the remaining battery level.  
Operating temperatures: 5 – 40 °C (41 – 104 °F)

- Size, weight, and number of shots available are based on measurement guidelines of the Camera & Imaging Products Association (CIPA).
- Under some shooting conditions, the number of shots and recording time may be less than mentioned above.
- Number of shots/time with a fully charged battery pack.

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