Canon

PowerShot

G7 X Mark III

Specifications

Type of Camera

Type	Digital camera with built-in flash, 4.2x Optical, 4x Digital and 17x Combined Zoom with Optical Image Stabilizer

Image Capture Device

Type	20.1 Megapixel*, 1.0-inch stacked CMOS (sensor aspect ratio: 3:2) * Image processing may cause a decrease in the number of pixels.
Total Pixels	Approx. 20.9 megapixels
Effective Pixels	Approx. 20.1 megapixels

Lens

Focal Length	8.8 (W) – 36.8 (T) mm (35mm film equivalent: 24–100mm)
Optical Zoom	Approx. 4.2x
Digital Zoom	Approx. 4x
Focusing Range	Normal/Auto: 2.0 in. (5cm) – infinity (W), 1.3 ft. (40cm) – infinity (T) Macro: 2.0 in. – 1.6 ft. (5–50 cm) (W) Quick: 5.0–65.6 ft. (1.5–20m) (W), 5.0–65.6 ft. (1.5–20m) (T)
Autofocus System	TTL Autofocus, Manual Focus

Viewfinders

Optical Viewfinder	N/A
LCD Monitor	3.0-inch tilt-type TFT color liquid crystal, with biaxial tilt for low and high angle shooting
LCD Pixels	Approx. 1.04 million dots
LCD Coverage	Approx. 100%

Aperture & Shutter

Maximum Aperture	f/1.8 (W), f/2.8 (T)
Shutter Speed	1–1/2000 sec. (in Auto mode) 30–1/25600 sec. (in Tv, M, and Manual Movie Modes) BULB (in M mode only) 1/8 minimum in Manual Movie Mode

Exposure Control

Sensitivity	**Still Images:** ISO 125–3200 (in Auto mode) Max. ISO Speed in P mode is ISO 12800 **Videos:**

Pixels	Frame Rate	Min.-Max ISO Speed
4K (3840 x 2160)	29.97 fps	ISO 125-3200
FULL HD (1920 x 1080)	119.88 fps	ISO 125-6400
	59.94 fps	
	29.97 fps	
HD (1280 x 720)	59.94 fps	

Lighting Metering Method	Evaluative, Center Weighted Average, Spot (Still Images only)
Exposure Control Method	Manual Exposure, Program Shift, Safety Shift, AE Lock
Exposure Compensation	Still Images: ±3 stops in 1/3-stop increments Videos: ±3 stops in 1/3-stop increments

White Balance

White Balance Control	Auto (Ambience & White Priority), Day Light, Shade, Cloudy, Tungsten, White Fluorescent Light, Flash, Color Temperature, Custom

Flash

Built-in Flash	Auto, On, Slow Synchro, Off
Flash Range	1.6 (50cm) –23 ft. (7.0m) (W), 1.6 ft. (50cm) – 13 ft. (4.0m) (T) *Image brightness may diminish depending on the shooting distance.
Flash Exposure Compensation	±2 stops in 1/3-stop increments

Shooting Specifications

Shooting Modes	C, M, Av, Tv, P, Hybrid Auto, Auto, Self Portrait, Portrait, Panning, Star Portrait, Star Nightscape, Star Trails, Star Time-Lapse Movie, Handheld Night Scene, High Dynamic Range, Fish-eye Effect, Art Bold Effect, Water Painting Effect, Miniature Effect, Toy Camera Effect, Background Defocus, Soft Focus, Grainy B/W, Fireworks, Standard Movie, Short Clip, Manual Movie, Time-Lapse Movie, iFrame Movie
Picture Style	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Def. 1–3
Self Timer	Off, 2 sec., 10 sec., Custom, Remote Shooting
Wireless Control	Wi-Fi®
Continuous Shooting	**JPEG:** One Shot AF (H): Approx. 20.0 shots/sec. One Shot (L): Approx. 3.0 shots/sec. Servo AF (H): Approx. 8.3 shots/sec. Servo AF (L): Approx. 3.0 shots/sec. **RAW & C-RAW:** One Shot AF (H): Approx. 20.0 shots/sec. One Shot (L): Approx. 3.0 shots/sec. **RAW Burst Mode:** Max: Approx. 30.0 shots/sec.

Image Storage

Storage Media	SD/SDHC/SDXC and UHS-I Memory Cards
File Format	Design rule for Camera File system (DCF) compliant; DPOF (Version 1.1) compatible
Image Recording Format	Superfine / Fine
JPEG Compression Mode	Still Image: Exif 2.31 (DCF 2.0), RAW (Canon original: 14-bit, CR2) * JPEG/RAW (CR3 Canon original: 14-bit RAW format) RAW images are A/D converted into 12-bit format Video: MP4 (Image: MPEG-4 AVC/H.264; Audio: MPEG-4 AAC-LC [Stereo])

Number of Recording Pixels

	16:9	3:2	4:3	1:1
Large	5472 x 3072	5472 x 3648	4864 x 3648	3648 x 3648
Medium	3648 x 2048	3648 x 2432	3248 x 2432	2432 x 2432
Small 1 (S1)	2736 x 1536	2736 x 1824	2432 x 1824	1824 x 1824
Small 2 (S2)	2400 x 1344	2400 x 1600	2112 x 1600	1600 x 1600
RAW	-	5472 x 3648	5472 x 3648	-
RAW+JPEG	-	-	-	-
C-RAW	-	5472 x 3648	5472 x 3648	-
C-RAW + JPEG	-	-	-	-

Panoramic Shooting

	Min. Number of Recording Pixels	Max. Number of Recording Pixels
Vertical Shooting	3840 x 3648	16000 x 3840
Horizontal Shooting	5472 x 2560	26064 x 2560

Approx. Number of Shots Recordable to 32 GB Memory Card

Large (L)	Fine	Approx. 4535 shots
	Normal	Approx. 8062 shots
Medium	Fine	Approx. 7742 shots
	Normal	Approx. 9999 shots
Small (S)	Fine	-
	Normal	-
Small 1 (S1)	Fine	Approx. 9999 shots
	Normal	
Small 2 (S2)		Approx. 9999 shots
RAW		Approx. 1355 shots
RAW + JPEG		Approx. 1031 shots
C-RAW		Approx. 2301 shots
C-RAW + JPEG		Approx. 1525 shots

* The approximate number of images recordable on memory cards other than the above can be calculated by using the above figures as a reference and extrapolating accordingly.

Time of Recordable Videos

Shooting Mode	Pixels	Frame Rate	Approx. Total Movie Time Recordable to 32 GB Memory Card	Single Clip Approx. Recording Time[1]	Video Recording Bit Rate
Standard Movie	3840 x 2160 (4K)	29.97 fps	35 min. 29 sec.	9 min. 59 sec.	Approx. 120 Mbps
	1920 x 1080 (FULL HD)	119.88 fps	35 min. 33 sec.	7 min. 29 sec.	Approx. 120 Mbps
		59.94 fps	1 hr. 10 min. 48 sec.	29 min. 59 sec.	Approx. 60 Mbps
		29.97 fps	2 hr. 20 min. 59 sec.	29 min. 59 sec.	Approx. 30 Mbps
	1280 x 720 (HD)	59.94 fps	2 hr. 42 min. 28 sec.	29 min. 59 sec.	Approx. 26 Mbps

[1] Using an SD Speed Class 10 / UHS-I compatible memory card.
• Single-time recording will stop automatically when single recording reaches maximum recordable time or memory card becomes full. Recording may stop even if the max. Recording time per single-time recording has not elapsed depending on the card used.

• On memory cards with a capacity of 32GB and below, movies that exceed 4GB are divided into multiple files (Max. approx. 4GB each). On memory cards with a capacity of 64GB and above, the movies are not divided and will save as a single file.
*Measured on a card that was formatted with this camera.

Playback Specifications

Playback Functions	List/Play Digest Movies, Story Highlights, Protect, Favorites, Erase, Image Search, Slideshow, Rotate, Album Playback, Short Clip Mix, Resize, Cropping, Red-Eye Correction, Face ID Info, Creative Filters, RAW Image Processing, Photobook Set-up, Image Transition Effect, Index Effect, Scroll Display, Group Images, Auto Rotate, Resume, Image Jump with Control Ring/Front Dial, Set Touch Actions, Playback Information Display

Interface

Audio Out	Stereo
Wired	USB Type-C, HDMI (Type D)
Wireless	Wi-Fi®* Specifications: IEEE 802. 11b/g/n Frequency: 2.4 GHz Channels: 1–11 Security: WEP, WPA-PSK (AES/TKIP), WPA2-PSK (AES-TKIP) *Compatible with iOS® versions 9.3/10.3/11.2-11.4/12.2, Android™ smartphone and tablet versions 5.0/5.1/6.0/7.0/7.1/8.0/8.1/9.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.
Other	Direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers

Power Supply

Power Source	Battery Pack NB-13L, Battery Charger CB-2LH In-Camera Charging via USB Cable available through USB Power Adapter PD-E1 (Charging time: Approx. 110 min.)* * Charging time varies considerably depending on the remaining battery power
Shooting Capacity	Approx. 235 shots with Screen On (CIPA compliant) Approx. 320 shots with ECO Mode
Playback Time	Approx. 5 hrs.

Physical Specifications

Operating Temperature	32–104°F / 0–40°C
Operating Humidity	10–90%
Dimensions (W x H x D)	4.13 x 2.40 x 1.63 in. / 105.0 x 60.9 x 41.4mm
Weight	**Black & Silver Models:** Approx. 10.7 oz. / 304g (including battery and memory card) Approx. 9.9 oz. / 280g (camera body only)