



**PowerShot  
G7X 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	<b>Still Images:</b> ISO 125–3200 (in Auto mode) Max. ISO Speed in P mode is ISO 12800 <b>Videos:</b>												
	<table border="1"> <thead> <tr> <th>Pixels</th> <th>Frame Rate</th> <th>Min. ISO Speed Max. ISO Speed</th> </tr> </thead> <tbody> <tr> <td>4K (3840 x 2160)</td> <td>29.97 fps</td> <td>ISO 125-3200</td> </tr> <tr> <td rowspan="2">FULL HD (1920 x 1080)</td> <td>59.94 fps</td> <td rowspan="3">ISO 125-6400</td> </tr> <tr> <td>29.97 fps</td> </tr> <tr> <td>HD (1280 x 720)</td> <td>-</td> </tr> </tbody> </table>	Pixels	Frame Rate	Min. ISO Speed Max. ISO Speed	4K (3840 x 2160)	29.97 fps	ISO 125-3200	FULL HD (1920 x 1080)	59.94 fps	ISO 125-6400	29.97 fps	HD (1280 x 720)	-
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FULL HD (1920 x 1080)	59.94 fps	ISO 125-6400											
	29.97 fps												
HD (1280 x 720)	-												

<b>Lighting Metering Method</b>	Evaluative, Center Weighted Average, Spot (Still Images only)
<b>Exposure Control Method</b>	Manual Exposure, Program Shift, Safety Shift, AE Lock
<b>Exposure Compensation</b>	Still Images: ±3 stops in 1/3-stop increments Videos: ±3 stops in 1/3-stop increments
<b>White Balance</b>	
<b>White Balance Control</b>	Auto (Ambience & White Priority), Day Light, Shade, Cloudy, Tungsten, White Fluorescent Light, Flash, Color Temperature, Custom
<b>Flash</b>	
<b>Built-in Flash</b>	Auto, On, Slow Synchro, Off
<b>Flash Range</b>	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.
<b>Flash Exposure Compensation</b>	±2 stops in 1/3-stop increments
<b>Shooting Specifications</b>	
<b>Shooting Modes</b>	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
<b>Picture Style</b>	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Def. 1-3
<b>Self Timer</b>	Off, 2 sec., 10 sec., Custom, Remote Shooting
<b>Wireless Control</b>	Wi-Fi®
<b>Continuous Shooting</b>	<p><b>JPEG:</b> 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.</p> <p><b>RAW &amp; C-RAW:</b> One Shot AF (H): Approx. 20.0 shots/sec. One Shot (L): Approx. 3.0 shots/sec.</p> <p><b>RAW Burst Mode:</b> Max: Approx. 30.0 shots/sec.</p>
<b>Image Storage</b>	
<b>Storage Media</b>	SD/SDHC/SDXC and UHS-I Memory Cards
<b>File Format</b>	Design rule for Camera File system (DCF) compliant; DPOF (Version 1.1) compatible
<b>Image Recording Format</b>	Superfine / Fine
<b>JPEG Compression Mode</b>	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])

<b>Number of Recording Pixels</b>		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	-	-	-	-							
	<b>Panoramic Shooting</b>											
		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								
<b>Approx. Number of Shots Recordable to 32 GB Memory Card</b>	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	-									
		Normal	Approx. 9999 shots									
	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.												
<b>Time of Recordable Videos</b>	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	
<b>Playback Functions</b>	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	
<b>Audio Out</b>	Stereo
<b>Wired</b>	USB Type-C, HDMI (Type D)
<b>Wireless</b>	<p>Wi-Fi**</p> <p>Specifications: IEEE 802.11b/g/n</p> <p>Frequency: 2.4 GHz</p> <p>Channels: 1-11</p> <p>Security: WEP, WPA-PSK (AES/TKIP), WPA2-PSK (AES-TKIP)</p> <p>* 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.</p>
<b>Other</b>	Direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers
Power Supply	
<b>Power Source</b>	<p>Battery Pack NB-13L, Battery Charger CB-2LH</p> <p>In-Camera Charging via USB Cable available through USB Power Adapter PD-E1 (Charging time: Approx. 110 min.)*</p> <p>* Charging time varies considerably depending on the remaining battery power</p>
<b>Shooting Capacity</b>	<p>Approx. 235 shots with Screen On (CIPA compliant)</p> <p>Approx. 320 shots with ECO Mode</p>
<b>Playback Time</b>	Approx. 5 hrs.
Physical Specifications	
<b>Operating Temperature</b>	32-104°F / 0-40°C
<b>Operating Humidity</b>	10-90%
<b>Dimensions (W x H x D)</b>	4.13 x 2.40 x 1.63 in. / 105.0 x 60.9 x 41.4mm
<b>Weight</b>	<p><b>Black &amp; Silver Models:</b></p> <p>Approx. 10.7 oz. / 304g (including battery and memory card)</p> <p>Approx. 9.9 oz. / 280g (camera body only)</p>