

PowerShot G1 X Mark III		
Image sensor		
	Type	APS-C CMOS
	Effective Pixels	Approx. 24.2 M
	Aspect Ratio	3:2
	Colour Filter Type	Primary Colour
Image processor		
	Type	DIGIC 7
Lens		
	Focal Length	15 – 45 mm (35 mm equivalent: 24 – 72 mm)
	Zoom	Optical 3x ZoomPlus 6x Digital Approx. 4x (with Digital Tele-Converter Approx. 1.6x or 2.0x [1]) Combined Approx. 12x
	Maximum f/number	f/2.8 - f/5.6
	Construction	9 elements in 8 groups (3 double-sided aspherical lenses and 1 single-sided aspherical lens)
	Image Stabilisation	Yes (lens shift-type) Still: Adaptive Intelligent IS , Max. Approx. 4-stop stabilisation [13] Movie: 5-axis Advanced Dynamic IS
Focusing		
	Type	Dual Pixel CMOS AF System. Phase detection pixels built onto imaging sensor [24]
	AF System/ Points	Maximum 49 AF points (Fixed location on 7x7 grid) via camera automatic selection [25] Freely position 1 AF point/ 1 AF Zone (9 points, 3x3 grid) via manual selection [24]
	AF Modes	Single, Continuous, Servo AF/AE [6], Touch AF
	AF Point Selection	AF area size customisable. Touchscreen LCD active and Touch and Drag AF available when EVF is in use.
	AF Lock	Yes, via customisable buttons
	AF Assist Beam	Yes
	Manual Focus	Yes, plus MF Peaking & AF + MF
	Focus Bracketing	Yes
	Closest Focusing Distance	10 cm (Wide) from front of lens 30 cm (Tele) from front of lens
Exposure control		
	Metering modes	Real-time metering from the image sensor (1) Evaluative metering (linked to Face Detection AF frame) (2) Center weighted average metering (3) Spot metering
	AE Lock	Yes, via customisable buttons
	Exposure Compensation	+/- 3 EV in 1/3 stop increments ND Filter (3-stop) On/ Auto/ Off [16]
	AEB	1/3 – 2 EV in 1/3 stop increments (can be used together with manual compensation)
	ISO sensitivity	AUTO, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800, 25600 [15] AUTO ISO: 100 - 25600 (possible to set Max. ISO speed and rate of change)
Shutter		
	Speed	1 – 1/2000 s (factory default) BULB, 30 – 1/2000 s (total range – varies by shooting mode)
White balance		
	Type	TTL

	Settings	Auto (including Face Detection WB), Daylight, Shade, Cloudy, Tungsten, White Fluorescent, Flash, Underwater, Colour Temperature (100 K increments) White balance compensation: 1. Blue/Amber +/-9 levels 2. Magenta/ Green +/-9 levels White Balance Compensation in Underwater mode
Viewfinder		
	Viewfinder	EVF (0.39 type), Approx. 2,360,000 dots, OLED type
	Viewfinder / Coverage	Approx. 100%
	Eyepoint / Dioptre Correction	Approx. 22 mm (from eyepiece lens centre) -3.0 to +1.0 m-1 dpt (dioptric range)
LCD monitor		
	Monitor	Vari-angle 7.5 cm (3.0") Touchscreen LCD (TFT) with reinforced glass. 3:2 aspect ratio. Approx. 1,040,000 dots. Electrostatic capacitance type.
	Coverage	Approx. 100%
	Brightness	Adjustable to one of five levels. Quick-bright LCD (Press and hold INFO. Button)
Flash		
	Modes	Auto, Manual Flash On / Off, Slow Synchro
	Slow Sync Speed	Yes. Fastest speed 1/2000 s
	Red-Eye Reduction	Yes
	Flash Exposure Compensation	+/- 2 EV in 1/3 stop increments
	Flash Exposure Lock	Yes
	Manual Power Adjustment	3 levels with internal flash (Up to 22 selectable levels with Canon Speedlites [2][26])
	Second Curtain Synchronisation	Yes
	Built-in Flash Range	50 cm – 9.0 m (W) / 50 cm - 4.5 m (T)
	External Flash	E-TTL with EX series Speedlites [2]
Shooting		
	Modes	Smart Auto (58 scenes detected), Hybrid Auto, Program AE, Shutter priority AE, Aperture priority AE, Manual, Custom 1, Custom 2, SCN (Self-Portrait, Portrait, Smooth Skin, Panoramic Shot, Panning, Star (Star Nightscape, Star Trails, Star Time-Lapse Movie), Handheld Night Scene, Grainy B/W, Soft Focus, Fish-eye effect, Art Bold effect, Water painting effect, Toy camera effect, Miniature effect, HDR, Underwater,., Fireworks), Movie (Standard, Short Clip, Manual, Time-lapse Movie)
	Photo Effects	Picture Styles: Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)
	Drive modes	Single, Auto Drive, High-speed continuous, Low-speed continuous, Self-Timer
	Continuous Shooting	Fixed AF: Up to approx. 9 shots/s for up to 24 frames in JPEG [20], 19 frames in RAW [3] With AF: Up to approx. 7 shots/s for 29 frames in JPEG [3][20]
Recording pixels/compression		

	Image Size	<p>RAW: (3:2) 6000 x 4000, (4:3) 5328 x 4000, (16:9) 6000 x 3368, (1:1) 4000 x 4000</p> <p>JPEG 3:2: (L) 6000 x 4000, (M) 3984 x 2656, (S1) 2976 x 1984, (S2) 2400 x 1600</p> <p>JPEG 4:3: (L) 5328 x 4000, (M) 3552 x 2664, (S1) 2656 x 1992, (S2) 2112 x 1600</p> <p>JPEG 16:9: (L) 6000 x 3368, (M) 3984 x 2240, (S1) 2976 x 1680 (S2) 2400 x 1344</p> <p>JPEG 1:1: (L) 4000 x 4000, (M) 2656 x 2656, (S1) 1984 x 1984, (S2) 1600 x 1600</p> <p>RAW + JPEG, In-camera RAW processing & Resize available</p> <p>Panoramic Shot mode:</p> <p>Horizontal: Maximum recording pixels: 24064 x 2800 Minimum recording pixels: 6000 x 2800</p> <p>Vertical: Maximum recording pixels: 16000 x 4200 Minimum recording pixels: 4200 x 4000</p>
	Compression	RAW, Fine, Normal
	Movies	(Full HD) 1920 x 1080, 59.94 / 50 / 29.97 / 25 / 23.98 fps (HD) 1280 x 720, 29.97 / 25 fps (VGA) 640 x 480, 29.97 / 25 fps
	Movie Length	(Full HD & HD) Up to 4 GB or 29 min 59 s [7] (VGA) Up to 4 GB or 1 hour [4]
File Types		
	Still Image Type	JPEG compression (Exif 2.3 [Exif Print] compliant) / Design rule for Camera File system and DPOF ver. 1.1 compliant), RAW (14bit, Canon original RAW 2nd edition), RAW+JPEG
	Movies	MP4 [Video: MPEG-4 AVC / H.264, Audio: MPEG-4 AAC-LC (stereo)]
Direct print		
	Canon Printers	Canon SELPHY Compact Photo Printers and Canon Inkjet Printers supporting PictBridge [23]
	PictBridge	Yes (via USB or Wireless LAN) [23]
Other features		
	GPS	GPS via mobile (linked to compatible smartphone)
	Red-Eye Correction	Yes
	My Camera / My Menu	My Menu customisation available
	Intelligent Orientation Sensor	Yes
	Histogram	Yes, live histogram
	Self Timer	Approx. 2, 10 s or Custom
	Menu Languages	English, German, French, Dutch, Danish, Finnish, Italian, Greek, Norwegian, Portuguese, Russian, Swedish, Spanish, Ukrainian, Polish, Czech, Hungarian, Turkish, Simplified Chinese, Chinese (traditional), Japanese, Korean, Thai, Arabic, Romanian, Farsi, Hindi, Malay, Indonesian, Vietnamese, Hebrew
Interface		
	Computer	Hi-Speed USB dedicated connector (Micro-B Connector)
	Other	HDMI Micro Connector Remote Switch Connector
	Computer/Other	Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only), with Dynamic NFC support [11] Bluetooth® (Specification version 4.1, Bluetooth low energy technology) [21] [22]
Memory card		
	Type	SD, SDHC, SDXC (UHS Speed Class 1 compatible)
Software		

	Other	CameraWindow DC Map Utility Image Transfer Utility Camera Connect available on iOS and Android devices
	Image Manipulation	Digital Photo Professional 4 for RAW development Picture Style Editor
Supported operating system		
	PC & Macintosh	Windows 10 / 8.1 / 7 SP1 [18] Mac OS X 10.10 / 10.11 / 10.12 / 10.13 For Wi-Fi connection to a PC: Windows 10 / 8.1 / 7 SP1 Mac OS X 10.10 For Image Transfer Utility: Windows 10 / 8.1 / 8 / 7 SP1 Mac OS X 10.9 / 10.10 / 10.11 / 10.12 / 10.13
Power source		
	Batteries	Rechargeable Li-ion Battery NB-13L (battery and charger supplied)
	Battery life	Approx. 200 shots Eco mode approx. 250 shots Approx. 240 min playback
	A/C Power Supply	Charging via USB available with Compact Power Adapter CA-DC30E [17] or other typical USB charging methods
Accessories		
	Cases / Straps	Soft Case DCC-1830 PowerShot Neck Strap NS-100 Neck Strap NS-DC12 PowerShot Accessory Organizer
	Waterproof / Weatherproof Case	Waterproof Case (40m) WP-DC56 Waterproof Case Weight WW-DC1
	Lenses	Lens Hood LH-DC110
	Flash	Canon Speedlites (including 220EX, 270EX, 270EX II, 320EX, 430EX, 430EX II, 430EX III-RT, 580EX, 580EX II, 600EX, 600EX-RT, 600EX II-RT, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT) Off-Camera Shoe Cord OC-E3, Speedlite Bracket SB-E2
	Remote Controller/ Switch	Remote Switch RS-60E3 Timer Remote Controller TC-80N3 [28]
	Power Supply & Battery Chargers	Compact Power Adapter CA-DC30E Battery Charger CB-2LHE
	Other	Interface cable IFC-600PCU Canon Connect Station CS100
Physical specifications		
	Operating Environment	0 – 40 °C, 10 – 90% humidity Dust and moisture resistant construction [27]
	Dimensions (WxHxD)	115.0 x 77.9 x 51.4 mm
	Weight	Approx. 399 g (including battery and memory card)
Footnotes		
All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated		
Subject to change without notice		
[1] Depending on the image size selected		
[2] Not all functions of the flash are supported		
[3] Under conditions where the flash does not fire		
[4] Depending on memory card speed / capacity / compression setting		
[6] Some settings limit availability		
[7] The following Speed Class memory cards are required for maximum record time: (HD) 1280 x 720 Speed Class 4 or above. (Full HD) 1920 x 1080 Speed Class 6 or above. (iFrame) 1280 x 720 Speed Class 6 or above		
[11] Wi-Fi use may be restricted in certain countries or regions. Wi-Fi support varies by device and region. For more information visit www.canon-europe.com/wirelesscompacts		
[13] Values at maximum optical focal length. Cameras whose focal length exceeds 350 mm (35 mm equivalent) are measured at 350 mm		
[15] ISO sensitivity denotes Recommended Exposure Index		

[16] Auto ND Filter not available in Movie Mode
[17] Charging via USB requires Interface Cable IFC-600PCU (Sold separately) or similar cable with USB Micro-B to USB type-A connectors. Charging time varies depending on the remaining battery power
[18] Software applications compatible with Windows 10 in Windows 10 Desktop Mode only
[20] Sustained continuous shooting speed is tested based on Canon's testing standard. Function requires compatible SDHC/SDXC UHS Speed Class 1 memory card, total number of frames captured varies depending on shooting subject, settings and brand of memory card
[21] Equipped with Bluetooth® low energy technology. The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth
[22] Bluetooth connection requires smart device to be equipped with Bluetooth version 4.0 (or later). Also requires smart device to be using operating system iOS 8.4 (or later) or Android 5.0 (or later) as well as latest version of Camera Connect app installed
[23] Not compatible with following PictBridge compatible SELPHY CP200/ CP220/ CP300/ CP330/ CP400/ CP500/ CP600/ ES1
[24] Dual Pixel CMOS AF - AF is possible over an area of approx. 80% Vertical x 80% Horizontal of the frame
[25] Maximum number of AF frame is dependent on selected image aspect ratio
[26] Level of adjustment is dependent on the Speedlite attached
[27] To maximize the camera's dust and drip resistance, keep the terminal cover, memory card/battery cover and all other covers firmly closed. This camera is designed to be dust and drip resistant, in order to help prevent sand, dust, dirt, or water that falls on it unexpectedly from getting inside, but it is impossible to prevent dirt, dust, water, or salt from getting inside at all
[28] Require Remote Controller Adapter RA-E3