

DIGITAL CAMERA		PowerShot G1 X Mark II
IMAGE SENSOR		
	Type	1.5 type (18.7 mm x 14.0 mm) Canon high-sensitivity CMOS
	Effective Pixels	Approx. 12.8M (Aspect ratio: 3:2) Approx. 13.1M (Aspect ratio: 4:3)
	Aspect Ratio	Multi-aspect Sensor - 3:2 (default), 4:3
	Colour Filter Type	Primary Colour
IMAGE PROCESSOR		
	Type	DIGIC 6 with iSAPS technology
LENS		
	Focal Length	12.5 – 62.5 mm (35 mm equivalent: 24 – 120 mm)
	Zoom	Optical 5x ZoomPlus 10x Digital Approx. 4x (with Digital Tele-Converter Approx. 1.6x or 2.0x ^[1]), Combined Approx. 20x
	Maximum f/number	f/2.0 - f/3.9
	Construction	14 elements in 11 groups (1 double sided aspherical UA lens and 2 double-sided aspherical lenses)
	Image Stabilisation	Yes (lens shift-type), approx. 3.5-stop ^[9] . Intelligent IS with 5-axis Enhanced Dynamic IS
FOCUSING		
	Type	TTL
	AF System/ Points	AiAF (31-point, Face Detection or Touch AF with Object and Face Select and Track), 1-point AF (any position is available or fixed centre)
	AF Modes	Single, Continuous, Servo AF/AE ^[5] , Touch AF
	AF Point Selection	Size (Normal, Small)
	AF Lock	Yes, via customisable buttons
	AF Assist Beam	Yes
	Manual Focus	Yes, plus MF Peaking & AF + MF
	Focus Bracketing	Yes
	Closest Focusing Distance	5 cm (W) from front of lens in macro
EXPOSURE CONTROL		
	Metering modes	Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (centre or linked to Face Detection AF or AF frame)
	AE Lock	Yes, via customisable buttons
	Exposure Compensation	+/- 3 EV in 1/3 stop increments Manual and automatic dynamic range correction Automatic shadow correction ND Filter (3 stop)
	AEB	1/3 – 2 EV in 1/3 stop increments
	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
SHUTTER		
	Speed	1 – 1/4000 sec. (factory default) 60 – 1/4000 sec. (total range – varies by shooting mode)
WHITE BALANCE		
	Type	TTL
	Settings	Auto (including Face Detection WB), Daylight, Shade, Cloudy, Tungsten, Fluorescent, Fluorescent H, Flash, Underwater, Custom 1, Custom 2 Multi-area WB correction available in Smart Auto White Balance Compensation White Balance Compensation in Underwater mode Colour adjustment in Star mode
COLOUR MATRIX		
	Type	sRGB

VIEWFINDER		
	Viewfinder	Optional Electronic Viewfinder EVF-DC1
LCD MONITOR		
	Monitor	Tilt type 7.5 cm (3.0") sRGB PureColor II Touchscreen LCD (TFT). 3:2 aspect ratio. Approx. 1,040,000 dots. In-cell capacitive type
	Coverage Brightness	Approx. 100% Adjustable to one of five levels. Quick-bright LCD
FLASH		
	Modes	Auto, Manual Flash On / Off, Slow Synchro
	Slow Sync Speed	Yes. Fastest speed: 1/2000 sec. (built-in flash) 1/250 sec. (external flash) 1/4000 sec. (external using high-speed synchro)
	Red-Eye Reduction	Yes
	Flash Exposure Compensation	+/- 2 EV in 1/3 stop increments. Face Detection FE, Safety FE, Smart Flash Exposure
	Flash Exposure Lock	Yes
	Manual Power Adjustment	3 levels with internal flash (up to 19 levels with external EX Speedlites 270EX II and 430EX II. 22 levels with 580EX II, 600EX and 600EX-RT ^[2])
	Second Curtain Synchronisation	Yes
	Built-in Flash Range	50 cm – 6.8 m (W) / 50 cm - 3.5 m (T)
	External Flash	E-TTL with EX series Speedlites ^[2]
SHOOTING		
	Modes	Smart Auto (58 scenes detected), Program AE, Shutter priority AE, Aperture priority AE, Manual, Custom 1, Custom 2, Hybrid Auto, Auto, Creative Shot, SCN (Portrait, Smart Shutter (Smile, Wink Self-Timer, FaceSelf-Timer), Star (Star Nightscape, Star Trails, Star Portrait, Star Time-Lapse Movie), Handheld Night Scene, Underwater, Snow, Fireworks), Creative Filters (High Dynamic Range, Nostalgic, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Background Defocus, Soft Focus, Monochrome, Super Vivid, Poster Effect), Movie
	Modes in Movie	Smart Auto (21 scenes detected), Standard, Program AE, Portrait, Nostalgic, Miniature Effect, Monochrome, Super Vivid, Poster Effect, Underwater, Snow, Fireworks, iFrame Movie
	Photo Effects	My Colors (My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Vivid Blue, Vivid Green, Vivid Red, Custom Color)
	Drive modes	Single, Auto Drive, Continuous, Continuous with AF, Self-Timer
	Continuous Shooting	Approx. 5.2 shots/sec until memory card becomes full ^[8] with AF: Approx. 3.0 shots/sec with Live View: Approx. 3.1 shots/sec (all speeds are until memory card becomes full) ^{[3][4]}
RECORDING PIXELS / COMPRESSION		
	Image Size	3:2 - (RAW, L) 4352 x 2904, (M1) 3072 x 2048, (M2) 2048 x 1368, (S) 640 x 424 4:3 - (RAW, L) 4160 x 3120, (M1) 3072 x 2304, (M2) 2048 x 1536, (S) 640 x 480 16:9 - (RAW, L) 4352 x 2248, (M1) 3072 x 1728, (M2) 1920 x 1080, (S) 640 x 360 1:1 - (RAW, L) 3120 x 3120, (M1) 2304 x 2304, (M2) 1536 x 1536, (S) 480 x 480 4:5 - (RAW, L) 2496 x 3120, (M1) 1840 x 2304, (M2) 1232 x 1536, (S) 384 x 480 Resize in playback (M2, S)
	Compression Movies	RAW, Superfine, Fine (Full HD) 1920 x 1080, 30 fps (HD) 1280 x 720, 30 fps, (L) 640 x 480, 30 fps Star Time-Lapse Movie (Full HD) 30, 15 fps Miniature Effect (HD, L) 6fps, 3fps, 1.5 fps Hybrid Auto (HD) 30 fps iFrame Movie (Full HD) 30fps
	Movie Length	(Full HD & HD) Up to 4 GB or 29 min. 59 sec. ^[6] (L and M) Up to 4 GB or 1 hour ^[4] (Star Time-Lapse Movie) Up to 32 sec

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: MPEG4-AVC (H.264), Audio: MPEG2 AAC-LC (stereo)] iFrame
DIRECT PRINT		
	Canon Printers	Canon SELPHY Compact Photo Printers and Canon Inkjet Printers supporting PictBridge
	PictBridge	Yes (via USB or Wireless LAN)
OTHER FEATURES		
	GPS	GPS via mobile (linked to compatible smartphone)
	Red-Eye Correction	Yes, during shooting and playback
	My Camera / My Menu	My Menu customisation available
	My Category	Image tagging feature
	Intelligent Orientation Sensor	Yes
	Histogram	Yes, live histogram
	Playback zoom	Approx. 2x ~ 10x
	Self Timer	Approx. 2 or 10 sec., 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 (MTP, PTP) dedicated connector (Mini-B compatible)
	Other	HDMI Micro Connector (HDMI-CEC compatible) A/V output (PAL/NTSC)
	Computer/Other	Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only), with NFC support ^[7]
MEMORY CARD		
	Type	SD, SDHC, SDXC (UHS Speed Class 1 compatible)
SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows 8 / 8.1 / 7 SP1 / Vista SP2 / XP SP3 Mac OS X 10.7, 10.8, 10.9 For Wi-Fi connection to a PC: Windows 8 / 8.1 / 7 SP1 only Mac OS X 10.7 / 10.8.2 or later / 10.9
SOFTWARE		
	Browsing & Printing	ImageBrowser EX
	Other	CameraWindow, PhotoStitch, Map Utility
	Image Manipulation	Digital Photo Professional for RAW development
POWER SOURCE		
	Batteries	Rechargeable Li-ion Battery NB-12L (NB-12L battery and charger supplied)
	Battery life	Approx. 240 shots Eco mode approx. 300 shots Approx. 300 min. playback
	A/C Power Supply	Optional, AC Adapter Kit ACK-DC100
ACCESSORIES		
	Cases / Straps	Soft Case DCC-1820 PowerShot Neck Strap NS-100
	Waterproof / Weatherproof Case	Waterproof Case (40m) WP-DC53 Waterproof Case Weight WW-DC1
	Lenses	Lens Hood LH-DC80 Filter Adapter FA-DC58E (Compatible with Canon 58mm Filters: Circular Polarizing Filter PL-C B, Neutral Density Filters ND4-L & ND8-L, Protect Filter, UV Filter, Skylight Filter, Softmat Filter No.1 & 2)
	Flash	Canon Speedlites (including 270EX II, 320EX, 430EX II, 580EX II, 600EX, 600EX-RT ^[2]) Speedlite Transmitter ST-E2, Off-Camera Shoe Cord OC-E3, Bracket BKT-DC1, Speedlite Bracket SB-E2
	Remote Controller/ Switch	Remote Switch RS-60E3
	Power Supply & Battery Chargers	AC Adapter Kit ACK-DC100, Battery Charger CB-2LGE
	Other	Electronic Viewfinder EVF-DC1 (0.48 type), 4:3 aspect ratio, Approx. 2,360,000 dots, 100% coverage Canon AV cable AVC-DC400ST Interface cable IFC-400PCU

PHYSICAL SPECIFICATIONS		
Operating Environment	0 – 40 °C, 10 – 90% humidity	
Dimensions (WxHxD)	116.3 x 74.0 x 66.2 mm	
Weight	Approx. 558 g (including battery/batteries and memory card)	

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.

^[5] Some settings limit availability.

^[6] 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.

^[7] 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

^[8] Sustained continuous shooting function requires compatible SDHC/SDXC UHS Speed Class 1 memory card, total number of frames captured varies depending on shooting subject.

^[9] Values at maximum optical focal length. Cameras whose focal length exceeds 350mm (35mm equivalent) are measured at 350mm.