PowerShot G1 X Mark III

CANON'S FLAGSHIP G-SERIES COMPACT WITH A POWERFUL DSLR HEART

With legendary heritage, the G1 X Mark III is Canon's flagship G-series with a stunning blend of speed, resilience, compactness and superb DSLR image and movie quality – with a performance to match.

- Unique blend of Canon technologies for superb images

- Fast, confident focusing and stable shooting on the move

- Refined handling, compact size and EOS provenance

- Cinematic Full HD 60P movies with 5-axis stabilisation

- Expanded creative options, advanced connectivity

24mm WIDE 3× | DiG!C 7 | APS-C

Dual Pixel CMOS AF | 7.0 Frames Per Sec | OLED EVF 2,360k dots

PRODUCT RANGE

G1 X Mark III

G3 X

G5 X

G1 X Mark III
G3 X
G5 X
G7 X Mark II
G9 X Mark II

Canon

TECHNICAL SPECIFICATIONS

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	RAW: (3:2) 6000 x 4000, (4:3) 5328 x 4000, (16:9) 6000 x 3368, (1:1) 4000 x 4000
	JPEG 3:2: (L) 6000 x 4000, (M) 3984 x 2656, (S1) 2976 x 1984, (S2) 2400 x 1600
	JPEG 4:3: (L) 5328 x 4000, (M) 3552 x 2664, (S1) 2656 x 1992, (S2) 2112 x 1600
	JPEG 16:9: (L) 6000 x 3368, (M) 3984 x 2240, (S1) 2976 x 1680 (S2) 2400 x 1344
	JPEG 1:1: (L) 4000 x 4000, (M) 2656 x 2656, (S1) 1984 x 1984, (S2) 1600 x 1600
	RAW + JPEG, In-camera RAW processing & Resize available
	Panoramic Shot mode:
	Horizontal:
	Maximum recording pixels: 24064 x 2800
	Minimum recording pixels: 6000 x 2800
	Vertical:
	Maximum recording pixels: 16000 x 4200
	Minimum recording pixels: 4200 x 4000
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]

TECHNICAL SPECIFICATIONS

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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 compatible)

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)

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