

Clifton Cameras Product Specification

Canon Powershot G1X Mark III

Specifications

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
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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) 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: stabilisation	Yes (lens shift-type). Adaptive Intelligent IS , max. approx. 4-stop Movie: 5-axis Advanced Dynamic IS

FOCUSING

Type:	Dual Pixel CMOS AF System. Phase detection pixels built onto imaging sensor
AF System/ Points:	Maximum 49 AF points (Fixed location on 7x7 grid) via camera automatic selection Freely position 1 AF point/ 1 AF Zone (9 points, 3x3 grid) via manual selection [24]
AF Modes:	Single, Continuous, Servo AF/AE, 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
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 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)
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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)
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, 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, 19 frames in RAW

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

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, Superfine, Fine

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

(VGA) Up to 4 GB or 1 hour

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

PictBridge: Yes (via USB or Wireless LAN)

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

Bluetooth® (Specification version 4.1, Bluetooth low energy technology)

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

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 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 90EX, 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

Dimensions (WxHxD): 115.0 x 77.9 x 51.4 mm

Weight: Approx. 401 g (including battery and memory card)