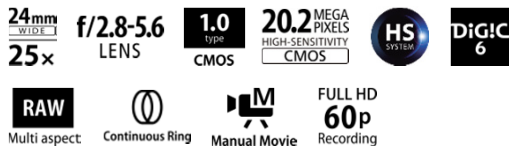


PowerShot G3 X



A photo and video powerhouse with a 25x zoom

Combining the versatility of a 25x zoom lens with the premium imaging performance of a 1.0-type sensor, the PowerShot G3 X can shoot photos and movies in stunning quality. An extensive range of expert features and controls help you unleash your creativity.



- Capture superb detail and background blur with the 25x optical zoom lens and large, 1.0-type sensor
- A host of handy creative modes, plus Wi-Fi with NFC, make it simple to shoot and share your inspired stills and movies
- Expert video shooting features plus full manual controls help you shoot stunning Full HD movies with your choice of frame rate
- A high resolution, tiltable LCD touch screen and extensive range of dials and manual modes put you in control
- Dust and drip-proof body for capturing all the action come rain or shine.

Product Range



PowerShot G1 X Mark II



PowerShot G3 X



PowerShot G7 X

PowerShot G1 X Mark II
PowerShot G3 X
PowerShot G7 X

Technical Specifications

IMAGE SENSOR

Type	1.0 type back-illuminated CMOS
Effective Pixels	Approx. 20.2M (Aspect ratio 3:2) ^[14]
Effective / Total Pixels	Approx. 20.9 M
Color Filter Type	Primary Colour

IMAGE PROCESSOR

Type	DIGIC 6 with iSAPS technology
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LENS

Focal Length	8.8 – 220 mm (35 mm equivalent: 24 – 600 mm)
Zoom	Optical 25x ZoomPlus 50x Digital Approx. 4x (with Digital Tele-Converter approx. 1.6x or 2.0x ^[11]) Combined approx. 100x f/2.8-f/5.6

Maximum f/number Construction	18 elements in 13 groups (1 double sided aspherical UA lens, 2 single sided aspherical UA lenses, 1 single sided aspherical lens, 2 UD lenses and 1 Hi-UD lens)
Image Stabilisation	Yes (lens shift-type), approx. 3.5-stop ^[13] Intelligent IS with 5-axis Advanced Dynamic IS

FOCUSING

Type	TTL
AF System/ Points	AI/AF (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 ^[6] , Touch AF
AF Point Selection	Size (Normal, Small)
AF Lock	Yes
AF Assist Beam	Yes
Manual Focus	Yes, plus MF Peaking & AF + MF
Focus Bracketing	Yes
Closest Focusing Distance	5 cm (Wide) from front of lens 85 cm (Tele) from front of lens

EXPOSURE CONTROL

Metering modes	Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (centre or linked to Touch AF frame)
AE Lock	Yes
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	125, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800 ^[15]

AUTO ISO: 125 - 6400 (possible to set Max. ISO speed and rate of change)

SHUTTER

Speed	1 – 1/2000 sec. (factory default) BULB, 30 – 1/2000 sec. (total range – varies by shooting mode)
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WHITE BALANCE

Type	TTL
Settings	Auto (including Face Detection WB), Daylight, Shade, Cloudy, Tungsten, Fluorescent, Fluorescent H, Flash, Custom 1, Custom 2 Multi-area WB correction available in Smart Auto White Balance Compensation Colour adjustment in Star mode

COLOUR MATRIX

Type	sRGB
Depth of field preview	Optional Electronic Viewfinder EVF-DC1

LCD MONITOR

Monitor	Tilt type 8.0 cm (3.2") sRGB PureColor II G Touchscreen LCD (TFT), 3:2 aspect ratio. Approx. 1,620,000 dots. Capacitive type
Coverage	Approx. 100%
Brightness	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.
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-R1 ^[2])
Second Curtain Synchronisation	Yes
Built-in Flash Range	60 cm – 6.8 m (W) / 85 cm – 3.1 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, Creative Shot, SCN (Sports, Portrait, Smart Shutter (Smile, Wink Self-Timer, FaceSelf-Timer), Star (Star Nightscape, Star Trails, Star Time-Lapse Movie), Handheld Night Scene, 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, Manual, Portrait, Nostalgic, Miniature Effect, Monochrome, Super Vivid, Poster Effect, Snow, Fireworks, Short Clip, 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. 5.9 shots/sec ^[12] with AF: Approx. 3.2 shots/sec (all speeds are until memory card becomes full) ^{[9][4]}

RECORDING PIXELS / COMPRESSION

Image Size	3:2 - (RAW, L) 5472 x 3648, (M1) 4320 x 2880, (M2) 2304 x 1536, (S) 720 x 480 4:3 - (RAW, L) 4864 x 3648, (M1) 3840 x 2880, (M2) 2048 x 1536, (S) 640 x 480 16:9 - (RAW, L) 5472 x 3080, (M1) 4320 x 2432, (M2) 1920 x 1080, (S) 720 x 408 1:1 - (RAW, L) 3648 x 3648, (M1) 2880 x 2880, (M2) 1536 x 1536, (S) 480 x 480 4:5 - (RAW, L) 2912 x 3648, (M1) 2304 x 2880, (M2) 1232 x 1536, (S) 384 x 480
Compression	Resize in playback (M2) 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 (L) 640 x 480, 29.97/25 fps
Movie Length	Star Time-Lapse Movie (Full HD) 30/15 fps Miniature Effect (HD, L) 6 fps, 3 fps, 1.5 fps Hybrid Auto (HD) 29.97/25 fps iFrame Movie (Full HD) 29.97/25 fps (Full HD & HD) Up to 4 GB ^[7] or 29 min. 59 sec. ^[7] (L) Up to 4 GB or 1 hour ^[4] (Star Time-Lapse Movie) up to 128 sec

FILE TYPE

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)]iFrame

DIRECT PRINT

Canon Printers	Canon SELPHY Compact Photo Printers and Canon Inkjet Printers supporting PictBridge
PictBridge	Yes (via USB or Wireless LAN)

Technical Specifications

OTHER FEATURES

GPS	GPS via mobile (linked to a 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) DIGITAL connector
Other	HDMI Mini Connector A/V output (PAL/NTSC) External microphone (3.5 mm Stereo mini jack) Headphone Output (3.5 mm jack)
Computer/Other	Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only), with Dynamic NFC support ^[11]

MEMORY CARD

Type	SD, SDHC, SDXC (UHS Speed Class 1 compatible)
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SUPPORTED OPERATING SYSTEM

PC & Macintosh	Windows 8 / 8.1 / 7 SP1 Mac OS X 10.8 / 10.9 / 10.10
	For Wi-Fi connection to a PC: Windows 8 / 8.1 / 7 SP1 only Mac OS X 10.8.2 or later / 10.9 / 10.10
	For Image Transfer Utility: Windows 8 / 8.1 / 7 SP1 only Mac OS X 10.8.2 or later / 10.9 / 10.10

SOFTWARE

Other	CameraWindow DC Map Utility Image Transfer Utility
Image Manipulation	Digital Photo Professional for RAW development

POWER SOURCE

Batteries	Rechargeable Li-ion Battery NB-10L (battery and charger supplied)
Battery life	Approx. 300 shots Approx. 240 shots with EVF-DC1
	Eco mode approx. 410 shots Approx. 360 min. playback
A/C Power Supply	Optional, AC Adapter Kit ACK-DC80

ACCESSORIES

Cases / Straps	Soft Case DCC-2300 PowerShot Accessory Organizer
Lenses	Lens Hood LH-DC100 Filter Adapter FA-DC67B (Compatible with Canon 67 mm Filters: Circular Polarizing PL-C B, Protect Filter)
Flash	Canon Speedlite (including 270EX, 270EX II, 320EX, 430EX, 430EX II, 580EX, 580EX II, 600EX, 600EX-RT ^[2]) Speedlite Transmitter (ST-E3-RT, ST-E2), Speedlite bracket SB-E2, Off-Camera Shoe Cord OC-E3
Remote Controller / Switch	Remote Switch RS-60E3
Power Supply & Battery Chargers	AC Adapter Kit ACK-DC80, Battery Charger CB-2LCE
Other	Electronic Viewfinder EVF-DC1 (0.48 type), 4:3 aspect ratio, Approx. 2,360,000 dots, 100% coverage Interface cable IFC-400PCU Canon HDMI Cable HTC-100

PHYSICAL SPECIFICATIONS

Operating Environment	0 – 40 °C, 10 – 90 % humidity
Dimensions (W x H x D)	123.3 mm x 76.5 mm x 105.3 mm
Weight	Approx. 733 g (including battery and memory card)

Footnotes

- ^[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
- ^[12] Sustained continuous shooting function requires compatible SDHC/SDXC UHS Speed Class 1 memory card, total number of frames captured varies depending on shooting subject.
- ^[13] Values at maximum optical focal length. Cameras whose focal length exceeds 350 mm (35 mm equivalent) are measured at 350 mm.
- ^[14] Image processing may cause a decrease in the number of pixels.
- ^[15] ISO sensitivity denotes Recommended Exposure Index

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated.

Subject to change without notice.

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Sales Start Date: August 2015

Product Details:

Product Name	Mercury Code	EAN Code
Digital Camera PowerShot G3 X BK EU23	0106C002AA	4549292034615

Optional Accessories:

Product Name	Mercury Code	EAN Code
Battery Charger CB-2LCE	5670B001AA	4960999796130
Battery Pack NB-10L	5668B001AA	4960999796093
AC Adapter Kit ACK-DC80	5667B003AA	4960999795935
Interface Cable IFC-400PCU	9370A001AA	4960999209906
HDMI Cable HTC-100	2384B001AA	4960999530383
Speedlite 600EX EUR	5739B003AA	4960999810195
Speedlite 600EX-RT EUR	5296B003AB	4960999786100
Speedlite 270EX II EUR	5247B003AA	4960999783246
Speedlite 320EX EUR	5246B003AA	4960999786032
Speedlite 430EX II EUR	2805B003AA	4960999617947
Speedlite 580EX II	1946B003AA	4960999417165
Speedlite Transmitter ST-E2	2478A004AA	4960999581538
Speedlite Transmitter ST-E3-RT	5743B003AA	4960999810232
Camera Remote Switch RS60-E3	2469A002AA	4960999581354
Off Camera Shoe Cord OC-E3	1950B001AA	4960999417271
Speedlite Bracket SB-E2	1949B001AA	4960999417264
Electronic Viewfinder EVF-DC1	9555B001AA	4549292013061
Lens Hood LH-DC100 / Filter Adapter FA-DC67B	0569C001AA	4549292038040
Soft case DCC-2300	0041X068	8714574628974
Accessory Organizer	0036X433	8714574583167

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Measurement / Logistic Information:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (mm)	Width (mm)	Height (mm)	Net Weight (kg)	Gross Weight (kg)
Digital Camera PowerShot G3 X BK EU23	0106C002AA	EA	Each	1	225	164	119		1.303
		CT	Carton	6	381	351	264		8.548
		EP	Euro Pallet	144	1200	800	1206		216
			Layers per Pallet	4					
			Cartons per Layer	6					
			Products per layer	36					

What's in the box?

- Digital Camera PowerShot G3 X
- Lens Cap
- Neck Strap NS-DC11
- Battery Pack NB-10L
- Battery Charger CB-2LCE
- AC cable
- User manual kit