

PowerShot G7X Mark III

LOOK THE BEST, SOUND THE BEST, CHOOSE THE BEST

Create content that defies expectations and surpasses what you're used to seeing from your smartphone. Incredible 4K video, sumptuous 20.1-megapixel photos and high-speed shooting that stops fleeting moments in time.



- Captivating video your audience will love
- Create content your own way
- Stand out from the smartphone crowd
- Quick and easy to use
- Super connected with Bluetooth®**
- Technology that gives you an advantage

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4K

20.1 MEGA PIXELS
HIGH-SENSITIVITY
CMOS

LIVE
Streaming

Wi-Fi
Bluetooth®

24mm
WIDE
4.2x

USB
Charging

PRODUCT RANGE



PowerShot G5 X



**PowerShot
G7 X Mark III**



PowerShot
G7 X Mark II

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

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TECHNICAL SPECIFICATIONS

PowerShot G7X Mark III

IMAGE SENSOR		LCD MONITOR	
Type	1.0 type stacked CMOS	Monitor	Tilt type 7.5 cm (3.0") Touchscreen LCD (TFT), 3:2 aspect ratio. Approx. 1,040,000 dots. Capacitive type, sRGB colour reproduction
Effective Pixels	Approx. 20.1M (Aspect ratio 3:2) ^[14]	Coverage	Approx. 100%
Total Pixels	Approx. 20.9M	Brightness	Adjustable to one of five levels. Night Display Mode available
Colour Filter Type	Primary Colour		
IMAGE PROCESSOR		FLASH	
Type	DIGIC 8	Modes	Auto, Manual Flash On / Off, Slow Synchro
LENS		X-Sync Speed	Yes. Fastest speed 1/2000 s
Focal Length	8.8 – 36.8 mm (35 mm equivalent: 24 – 100 mm)	Red-Eye Reduction	Yes
Zoom	Optical 4.2x ZoomPlus 8.4x Digital Approx. 4x (with Digital Tele-Converter approx. 1.6x or 2.0x ^[11]) Combined approx. 17x	Flash Exposure Compensation	+/- 2 EV in 1/3 stop increments. Face Detection FE, Safety FE
Maximum f/number	f/1.8-f/2.8	Flash Exposure Lock	Yes
Construction	11 elements in 9 groups (1 double sided aspherical lens, 1 single sided aspherical UA lens, 1 single sided aspherical lens and 1 UD lens)	Manual Power Adjustment	3 levels with internal flash
Image Stabilisation	Yes (lens shift-type), approx. 4-stop Intelligent IS with 5-axis Advanced Dynamic IS & Auto Level ^[13]	Second Curtain Synchronisation	Yes
FOCUSING		Built-in Flash Range	50 cm – 7.0 m (W) / 40 cm – 4.0 m (T)
Type	TTL	External Flash	Canon High Power Flash HF-DC2
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)	SHOOTING	
AF Modes	Single, Continuous, Servo AF/AE ^[6] , Touch AF	Modes	Auto, Program AE, Shutter priority AE, Aperture priority AE, Manual, Custom, Hybrid Auto, SCN (Portrait, Self-Portrait, Panning, Star (Star Portrait, Star Nightscape, Star Trails, Star Time-Lapse Movie), Handheld Night Scene, High Dynamic Range, Fish-eye Effect, Oil Painting Effect, Water-Painting Effect, Miniature Effect, Toy Camera Effect, Background Defocus, Soft Focus, Grainy B/W, Underwater, Fireworks), Standard Movie, Short Clip, Manual Movie, Time-Lapse Movie
AF Point Selection	Size (Normal, Small)	Photo Effects	Picture Styles (Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined x3 (Sharpness (Strength, Fineness, Threshold), Contrast, Color Saturation, Color Tone, Filtering Effect, Toning))
AF Lock	Yes, via customisable buttons	Drive modes	Single, Auto Drive, Continuous, Continuous with AF, Self-Timer
AF Assist Beam	Yes	Continuous Shooting	Approx. 20.0 shots/s for up to 89 frames in C-RAW, 55 frames in RAW, and 118 frames in JPEG
Manual Focus	Yes, plus MF Peaking		With AF: Approx. 8 shots/s for up to 320 frames in JPEG ^{[5] [20]}
Focus Bracketing	Yes		RAW Burst Mode: Approx 30shots/s for Approx 70 frames
Closest Focusing Distance	5 cm (Wide) from front of lens 40 cm (Tele) from front of lens	RECORDING PIXELS / COMPRESSION	
EXPOSURE CONTROL		Image Size	3:2 - (RAW, L) 5472 x 3648, (M) 3648 x 2432, (S1) 2736 x 1824, (S2) 2400 x 1600 4:3 - (RAW, L) 4864 x 3648, (M) 3248 x 2432, (S1) 2432 x 1824, (S2) 2112 x 1600 16:9 - (RAW, L) 5472 x 3072, (M) 3648 x 2048, (S1) 2736 x 1536, (S2) 2400 x 1344 1:1 - (RAW, L) 3648 x 3648, (M) 2432 x 2432, (S1) 1824 x 1824, (S2) 1600 x 1600
Metering modes	Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot	Compression	In-camera RAW processing & Resize available
AE Lock	Yes	Movies	RAW, C-RAW, Fine/Normal JPEG (4K) 3840 x 2160, 29.97 / 25fps (Full HD) 1920 x 1080, 119.9 / 100 / 59.94 / 50 / 29.97 / 25 fps (HD) 1280 x 720, 50 fps
Exposure Compensation	+/- 3 EV in 1/3 stop increments Auto Lighting Optimizer	Movie Length	Vertical movie aspect available (4K) Up to 9 min 59 s (Full HD & HD) Up to 4 GB or 29 min 59 s ^[7]
AEB			
ISO sensitivity	1/3 – 2 EV in 1/3 stop increments 125, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800 (Expanded: 25600) ^[15] AUTO ISO: 125 - 12800 (possible to set Max. ISO speed and rate of change)		
SHUTTER			
Speed	1 – 1/2000 s (factory default) 30 - 1/25600 s (electronic shutter) 1/8 - 1/2000 s (Movie Mode) BULB, 30 – 1/2000 s (total range – varies by shooting mode) ^[19]		
WHITE BALANCE			
Type	TTL		
Settings	Auto (Ambience priority / White priority), Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash, Custom, Color temp (Kelvin) White Balance Compensation Colour adjustment in Star mode		
COLOUR MATRIX			
Type	sRGB		

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TECHNICAL SPECIFICATIONS

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FILE TYPES

Still Image Type

JPEG compression (Exif 2.31 [Exif Print] compliant) / Design rule for Camera File system and DPOF ver. 1.1 compliant), RAW (14bit, Canon original RAW 3rd 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

Microphone input

Yes, 3.5mm

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

Intelligent Orientation Sensor

Yes

Histogram

Yes

Playback zoom

Yes

Self Timer

Approx. 2, 10 s or Custom

Menu Languages

English, German, French, Dutch, Danish, Finnish, Italian, Greek, Norwegian, Persian, Portuguese, Russian, Swedish, Spanish, Ukrainian, Polish, Czech, Hungarian, Turkish, Simplified Chinese, Chinese (traditional), Japanese, Korean, Thai, Arabic, Romanian, Hindi, Malay, Persian, Indonesian, Vietnamese, Hebrew

INTERFACE

Computer

Hi-Speed USB dedicated connector (USB C)

Other

HDMI Micro (Type-D) Connector

Computer/Other

Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only)

MEMORY CARD

Type

SD, SDHC, SDXC (UHS Speed Class 1 compatible)

SUPPORTED OPERATING SYSTEM

PC & Macintosh

For version information see relevant software pages

For Wi-Fi connection to a PC:
Windows
MacOS

For Image Transfer Utility:
Windows
MacOS^[16]

SOFTWARE

Other

CameraWindow DC
Map Utility
Image Transfer Utility

Camera Connect app available on iOS and Android devices

Image Manipulation

Digital Photo Professional for RAW development

POWER SOURCE

Batteries

Rechargeable Li-ion Battery NB-13L (battery and charger supplied)

Battery life

Approx. 265 shots
Eco mode approx. 320 shots
Approx. 300 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

PowerShot Accessory Organizer

Flash

Canon High Power Flash HF-DC2

Remote Controller/ Switch

Wireless Remote Control BR-E1

Power Supply & Battery Chargers

USB Power Adapter PD_E1

Battery Charger CB-2LHE

Rechargeable Li-ion Battery NB-13L

Interface Cable IFC-100U

Other

PHYSICAL SPECIFICATIONS

Operating Environment

0 – 40 °C, 10 – 90% humidity

Dimensions (W x H x D)

105.5 x 60.9 x 41.4 mm

Weight

Approx. 304 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.

Footnotes

[1] Depending on the image size selected.

[2] Some settings limit availability.

[3] 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. (Frame) 1280 x 720 Speed Class 6 or above.

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

[5] Image processing may cause a decrease in the number of pixels.

[6] ISO sensitivity denotes Recommended Exposure Index

[7] Auto ND Filter not available in Movie Mode.

[8] 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.

[9] Software applications compatible with Windows 10 in Windows 10 Desktop Mode only

[10] Maximum shutter speed is limited at 256 s in BULB Mode



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Sales Start Date: August 2019



PRODUCT DETAILS:

Product Name	Mercury Code	EAN Code
PowerShot G7 X Mark III BK	3637C002AA	4549292137736
PowerShot G7 X Mark III SL	3638C002AA	4549292137781
PowerShot G7 X Mark III BK battery kit	3637C014AA	8714574664026
PowerShot G7 X Mark III SL battery kit	3638C014AA	8714574664057

OPTIONAL ACCESSORIES:

Product Name	Mercury Code	EAN Code
Power Supply		
Battery Pack NB-13L	9839B001AA	4549292020502
Battery Charger CB-2LHE	9841B001AA	4549292020625
USB Power Adapter PD-E1	3250C003AA	4549292125412
Flash		
High Power Flash HF-DC2	5189B001BA	4960999782232
Miscellaneous		
Interface Cable IFC-100U	3224C001AA	4549292124200
Wireless Remote-Control BR-E1	2140C001AA	4549292087864
Cases		
Textile PowerShot Accessory Organizer	0036X433	8714574583167

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MEASUREMENT / LOGISTIC INFORMATION:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (cm)	Width (cm)	Height (cm)	Gross Weight (kg)
PowerShot G7 X Mark III BK	3637C002AA	EA	Each	1	15.9	14.8	7.4	0.557
PowerShot G7 X Mark III SL	3638C002AA	CT	Carton	10	39.1	31.4	18.6	6.211
		EP	Euro Pallet	300	120	80	108	196
			Layers per Pallet	5				
			Cartons per Layer	6				
			Products per layer	60				

What's in the box?

- Digital Camera PowerShot G7 X Mark III BK / SL
- Wrist Strap WS-DC12
- Battery Pack NB-13L
- Battery Charger CB-2LHE
- AC Cable (E)
- User Manual Kit

MEASUREMENT / LOGISTIC INFORMATION:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (cm)	Width (cm)	Height (cm)	Gross Weight (kg)
PowerShot G7 X Mark III BK battery kit	3637C014AA	EA	Each	1	15.9	14.8	7.4	0.579
PowerShot G7 X Mark III SL battery kit	3638C014AA	CT	Carton	10	39.1	31.4	18.6	6.443
		EP	Euro Pallet	300	120	80	108	203
			Layers per Pallet	5				
			Cartons per Layer	6				
			Products per layer	60				

What's in the box?

- Digital Camera PowerShot G7 X Mark III BK / SL
- Wrist Strap WS-DC12
- 2 x Battery Pack NB-13L
- Battery Charger CB-2LHE
- AC Cable (E)
- User Manual Kit

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