PowerShot G7 X
Mark II

Pure Power In Your Pocket

The PowerShot G7 X Mark II is a powerhouse compact camera offering unprecedented levels of control and incredible image quality in every shot. The first camera to include Canon's new DIGIC 7 processor, coupled with a 1.0-type 20.1 megapixel CMOS sensor and 4.2x optical zoom lens, the camera is perfect for capturing photos and videos worthy of sharing, printing and displaying.

Premium Quality Images
Combining a bright f/1.8-2.8 lens, 1.0 type CMOS sensor and DIGIC 7's new imaging capabilities, the PowerShot G7X Mark II provides greater flexibility to shoot in the trickiest conditions, even at full zoom.

Movie Making Perfected
Full HD movie capture and full manual control gives you access to every exposure setting, letting you compose and customise every shoot to suit your style.

Take complete control and get creative
Innovative features like Time Lapse Movies, Star Mode, High Dynamic Range and Creative Shot offer new twists to your creative vision.

Connect & Share
Built in Wi-Fi and NFC plus the Mobile Device Connect Button allows you to instantly connect to your preferred device and share your images to your favourite social network sites.
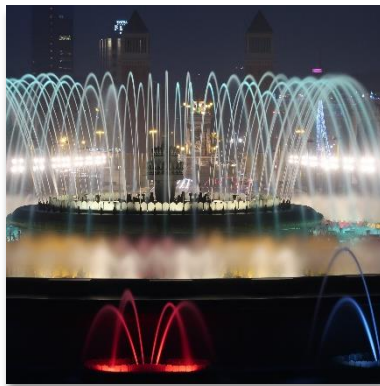
no one sees it like you

Canon

PowerShot *G7X* Mark II
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Panning

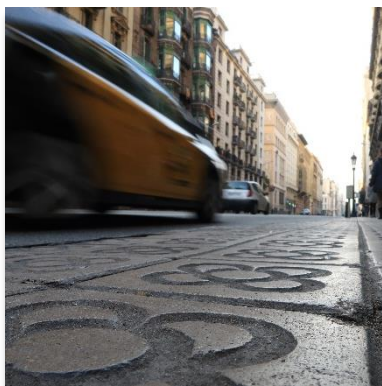**RAW ▸ JPEG In-Camera** RAW processing

Time-Lapse Movie

Panning mode controls the subject's blurring, and creates sharp images with blurry backgrounds

When shooting while travelling, RAW data can be edited in camera and converted into JPEG without using a computer

Shoot at three different intervals to create stunning time lapses with time lapse movie mode

Tilt & Touch LCD

Manual Movie

Picture Style

Capture unique angles with the 180 degree tilt up, 45 degree tilt down 3.0-type LCD capacitive Touch Screen

Complete manual control including control ring and mode dial for fast and intuitive operation without looking at the menu screen

Picture styles mode uses well-established presets on the EOS series to give your images more colour, depth and dimension

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24-100mm *
F1.8-2.8
*35mm equivalent

A bright f/1.8 lens at 24mm wide angle achieves beautiful background blur. An advanced Canon lens design enables f/2.8 at 100mm telephoto

1.0 type
CMOS

A large 1.0-type back-illuminated, 20.2 Megapixel CMOS sensor enables incredible image quality even in low light situations

DiG!C 7

Fast, powerful and innovative, DIG!C 7 is Canon's latest and most advanced imaging processor to date. It commands cutting-edge technologies to deliver stunning image quality, IS performance, image clarity, and intuitive operation

HDR
High Dynamic Range

Built in High Dynamic Range mode captures stunning detail from shadows to highlights

RAW

Shoot in both RAW and/or JPEG for better image quality and increased flexibility in post processing

USB Charging

Connect to your computer to charge the battery via USB. Alternatively, a standalone battery charger is supplied

★★★
Star

A variety of shooting modes including Star Portrait, Star Trails, Star Nightscape and Star Time-Lapse Movie Mode for amazing night time images

Canon Connect Station

Shoot your images on the PowerShot G7X Mark II and store them easily on the Connect Station CS100, with one touch NFC

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IMAGE SENSOR	
Type	1.0 type back-illuminated CMOS
Effective Pixels	Approx. 20.1M (Aspect ratio 3:2) [14]
Effective / Total Pixels	Approx. 20.9M
Colour Filter Type	Primary Colour

IMAGE PROCESSOR	
Type	DIGIC 7

LENS	
Focal Length	8.8 – 36.8 mm (35 mm equivalent: 24 – 100 mm)
Zoom	Optical 4.2x ZoomPlus 8.4x Digital Approx. 4x (with Digital Tele-Converter approx. 1.6x or 2.0x [1]) Combined approx. 17x
Maximum f/number	f/1.8-f/2.8
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)
Image Stabilisation	Yes (lens shift-type), approx. 4-stop [13]. Intelligent IS with 5-axis Advanced Dynamic IS & Auto Level

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 [6], Touch AF
AF Point Selection	Size (Normal, Small)
AF Lock	Yes, via customisable buttons
AF Assist Beam	Yes
Manual Focus	Yes, plus MF Peaking
Focus Bracketing	Yes
Closest Focusing Distance	5 cm (Wide) from front of lens 40 cm (Tele) from front of lens

EXPOSURE CONTROL	
Metering modes	Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot
AE Lock	Yes
Exposure Compensation	+/- 3 EV in 1/3 stop increments Auto Lighting Optimizer ND Filter (3-stop) On / Auto / Off [16]
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 - 12800 (possible to set Max. ISO speed and rate of change)

SHUTTER	
Speed	1 – 1/2000 s (factory default) 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 (including Face Detection WB), Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash, Underwater, Custom, Color temp (Kelvin) White Balance Compensation White Balance Compensation in Underwater mode Colour adjustment in Star mode

COLOUR MATRIX	
Type	sRGB

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. Face Detection FE, Safety FE
Flash Exposure Lock	Yes
Manual Power Adjustment	3 levels with internal flash
Second Curtain Synchronisation	Yes
Built-in Flash Range	50 cm – 7.0 m (W) / 40 cm – 4.0 m (T)
External Flash	Canon High Power Flash HF-DC2

SHOOTING	
Modes	Smart Auto (58 scenes detected), Program AE, Shutter priority AE, Aperture priority AE, Manual, Custom, Hybrid Auto, Creative Shot, 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, iFrame Movie
Modes in Movie	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))
Photo Effects	Single, Auto Drive, Continuous, Continuous with AF, Self-Timer
Drive modes	Approx. 8.0 shots/s for up to 19 frames in RAW and 30 frames in JPEG
Continuous Shooting	with AF: Approx. 5.4 shots/s for up to 46 frames in JPEG [3] [20] Smart Auto (58 scenes detected), Program AE, Shutter priority AE, Aperture priority AE, Manual, Custom, Hybrid Auto, Creative Shot, 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, iFrame Movie

RECORDING PIXELS / COMPRESSION	
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 In-camera RAW processing & Resize available
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 (L) 640 x 480, 29.97 / 25 fps
Movie Length	(Full HD & HD) Up to 4 GB or 29 min 59 s [7] (L) Up to 4 GB or 1 hour [4]

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 (14-bit, Canon original RAW 2nd edition), RAW+JPEG
Movies	MP4 [Video: MPEG-4 AVC / H.264, Audio: MPEG-4 AAC-LC (stereo)] iFrame

LCD MONITOR	
Monitor	Vari-angle 7.5 cm (3.0") Touchscreen LCD (TFT). 3:2 aspect ratio. Approx. 1,040,000 dots. Capacitive type, sRGB colour reproduction
Coverage	Approx. 100%

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 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, Portuguese, Russian, Swedish, Spanish, Ukrainian, Polish, Czech, Hungarian, Turkish, Simplified Chinese, Chinese (traditional), Japanese, Korean, Thai, Arabic, Romanian, Farsi, Hindi, Malay, Indonesian, Vietnamese, Hebrew
GPS	GPS via Mobile (linked to a compatible smartphone)

INTERFACE	
Computer	Hi-Speed USB dedicated connector (Micro-B compatible)
Other	HDMI Micro (Type-D) Connector
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)

SUPPORTED OPERATING SYSTEM	
PC & Macintosh	Windows 10 / 8.1 / 8 / 7 SP1 [18] Mac OS X 10.9 / 10.10 / 10.11
	For Wi-Fi connection to a PC: Windows 10 / 8.1 / 8 / 7 SP1 Mac OS X 10.9 / 10.10
	For Image Transfer Utility: Windows 10 / 8.1 / 8 / 7 SP1 Mac OS X 10.9 / 10.10 / 10.11

SOFTWARE	
Other	CameraWindow DC Map Utility Image Transfer Utility
Image Manipulation	Camera Connect app available on iOS and Android devices 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. 355 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	
Waterproof / Weatherproof Case	Waterproof Case (40m) WP-DC55
Flash	Canon High Power Flash HF-DC2
Power Supply & Battery Chargers	Compact Power Adapter CA-DC30E Battery Charger CB-2LHE Rechargeable Li-ion Battery NB-13L
Other	Interface cable IFC-600PCU

PHYSICAL SPECIFICATIONS	
Operating Environment	0 – 40 ˚ C, 10 – 90% humidity
Dimensions (WxHxD)	105.5 x 60.9 x 42.2 mm
Weight	Approx. 319 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.

[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.

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

[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

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

[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

For more information visit
canon.com.au
canon.co.nz

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