



# PowerShot G9 X

## POCKET-SIZED PERFORMANCE

The PowerShot G9 X is a slim pocket-sized camera with premium image quality. The combination of a 1.0-type back-illuminated 20.2 Megapixel CMOS sensor with the exceptional speed of a DIGIC 6 processor delivers uncompromising image quality.

### Pocketable power for stunning images

The PowerShot G9 X's 28mm wide-angle f/2–f/4.9, 3x optical zoom lens and the large 1.0-type CMOS sensor allow you to capture sharp, high-detailed images even when on the move or in challenging lighting conditions.

### Intuitive control, timeless design

The PowerShot G9 X offers all the features you need to express your creativity and capture unexpected moments. Weighing in at just 209g and 30.8mm thickness, its stylish compact design is perfectly suited for photographers who demand premium image quality whilst shooting on the move. The camera's intuitive & large 3.0" high-resolution touchscreen delivers simple creative fingertip control, with easy access to camera settings and functions.

### Share your creativity

The PowerShot G9 X features a host of advanced creative modes and connectivity features. With built in Wi-Fi & Dynamic NFC connectivity, it's easy to transfer your photos and movies to your smart device and share directly with social networks.



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**Canon**

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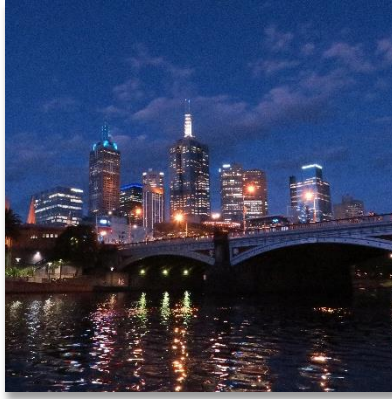
STYLISH  
COMPACT  
DESIGN



Slim, pocket-sized camera featuring premium image quality and stylish design.  
Available in Black or Silver

1.0  
type

CMOS



A large 1.0 type, 20.2MP CMOS sensor enables incredible image quality even in low light situations



Control Ring



Lens Control Ring can quickly assign control to various functions including aperture & shutter speed

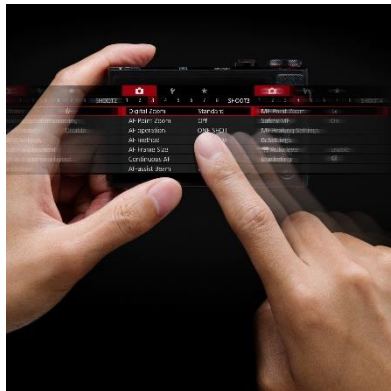
USB  
Charging



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



Touch Screen



Touch Panel LCD allows you to quickly select AF points, take photos via Touch Shutter & review your images simply by swiping



Built in NFC & Wi-Fi makes it easy to transfer your images onto a smartphone for sharing to social media

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**20.2** MEGA  
PIXELS  
HIGH-SENSITIVITY  
CMOS

A large 1.0 type 20.2 Megapixel CMOS sensor delivers incredible image quality even in low light situations. Bigger pixels offer increased dynamic range, so pictures contain extra detail in bright highlights and dark shadows..

**28mm**  
WIDE  
**3x**

Canon High Performance 3x Optical Zoom lens features 28mm wide angle and fast f/2.0-f/4.9 aperture



Fast, powerful and innovative, DIGIC 6 is Canon's most advanced imaging processor to date. It commands cutting-edge technologies to deliver stunning quality, seamless performance and intuitive operation



The Canon HS SYSTEM is fuelled by the processing power of DIGIC 6, partnered an advanced High-Sensitivity CMOS sensor featuring larger pixels to capture more light and deliver sharp, detailed images

**RAW**

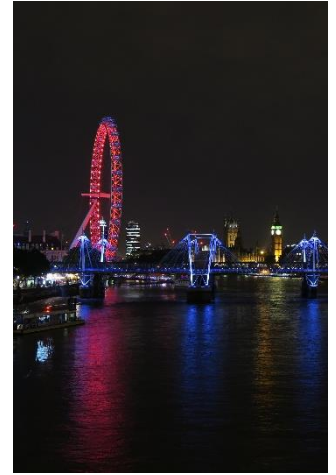
Shoot in both RAW and/or JPEG for better image quality and increased flexibility in post processing

**M**  
Manual Control

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



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



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TECHNICAL SPECIFICATIONS

PowerShot G9X

IMAGE SENSOR	
Type	1.0 type back-illuminated CMOS
Effective Pixels	Approx. 20.2M (Aspect ratio 3:2) [14]
Effective / Total Pixels	Approx. 20.9M
Colour Filter Type	Primary Colour
IMAGE PROCESSOR	
Type	DIGIC 6 with iSAPS technology
LENS	
Focal Length	10.2 – 30.6 mm (35 mm equivalent: 28 – 84 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/2.0 - f/4.9
Construction	8 elements in 6 groups (2 double sided aspherical UA lens, 1 single sided aspherical lens)
Image Stabilisation	Yes (lens-shift type), approx. 3-stop [13]. Intelligent IS with 5-axis Advanced Dynamic IS
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 35 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, via customisable buttons
Exposure Compensation	+/- 3 EV in 1/3 stop increments Manual and automatic dynamic range correction Automatic shadow correction
AEB	ND Filter (3-stop) On/ Auto/ Off [16] 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 sec. (factory default) 1/8 - 1/2000 sec. (Movie Mode) BULB, 30 – 1/2000 sec. (total range – varies by shooting mode)
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
LCD MONITOR	
Monitor	7.5 cm (3.0") Touchscreen LCD (TFT). 3:2 aspect ratio. Approx. 1,040,000 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
Second Curtain Synchronisation	Yes
Built-in Flash Range	50 cm – 6.0 m (W) / 50 cm – 2.4 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, Star (Star Nightscape, Star Trails, Star Portrait, Star Time-Lapse Movie), Handheld Night Scene, Fireworks, 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, 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. 6.0 shots/sec with AF. Approx. 4.3 shots/sec Upto 2000 frames [3][4][12]
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  Resize available in playback (M2, S) for JPEG images
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 (L) 640 x 480, 29.97 / 25 fps  Star Time-Lapse Movie (Full HD) 29.97 / 25 / 14.99 / 12.5 fps Miniature Effect (HD, L) 6 / 3 / 1.5 fps Hybrid Auto (HD) 29.97 / 25 fps iFrame Movie (Full HD) 29.97 / 25 fps
Movie Length	(Full HD & HD) Up to 4 GB or 29 min. 59 sec. [7] (L) Up to 4 GB or 1 hour [4] (Star Time-Lapse Movie) up to 128 sec
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)] iFrame

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<b>DIRECT PRINT</b> Canon Printers PictBridge	Canon SELPHY Compact Photo Printers and Canon Inkjet Printers supporting PictBridge Yes (via USB or Wireless LAN)
<b>OTHER FEATURES</b> GPS Red-Eye Correction My Camera / My Menu  My Category Intelligent Orientation Sensor Histogram Playback zoom Self Timer Menu Languages	GPS via mobile (linked to a compatible smartphone) Yes, during shooting and playback My Menu customisation available  Image tagging feature Yes Yes, live histogram Yes, enabled in 10 steps Approx. 2 or 10 sec., Custom 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
<b>INTERFACE</b> Computer  Other  Computer/Other	Hi-Speed USB (MTP, PTP) DIGITAL connector  HDMI Mini Connector A/V output (PAL/NTSC) External microphone (3.5 mm Stereo mini jack) Headphone Output (3.5 mm jack) Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only), with Dynamic NFC support <sup>[11]</sup>
<b>MEMORY CARD</b> Type	SD, SDHC, SDXC (UHS Speed Class 1 compatible)
<b>SUPPORTED OPERATING SYSTEM</b> 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
<b>SOFTWARE</b> Other  Image Manipulation	CameraWindowDC Map Utility Image Transfer Utility Digital Photo Professional for RAW development

<b>POWER SOURCE</b> Batteries  Battery life   A/C Power Supply	Rechargeable Li-Ion Battery NB-13L (battery and charger supplied)  Approx. 220 shots Eco mode approx. 335 shots Approx. 300 min. playback  Optional, AC Adapter Kit ACK-DC110  Charging via USB available with Compact Power Adaptor CA-DC30 <sup>[17]</sup>
<b>ACCESSORIES</b> Flash  Power Supply & Battery Chargers  Other	Canon High Power Flash HF-DC2  AC Adapter Kit ACK-DC110, Compact Power Adaptor CA-DC30, Battery Charger CB-2LHE  Interface cable IFC-600PCU
<b>PHYSICAL SPECIFICATIONS</b> Operating Environment Dimensions (WxHxD) Weight	0 – 40 ° C, 10 – 90% humidity 98.0 x 57.9 x 30.8 mm Approx. 209 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.

<sup>[1]</sup> Depending on the image size selected.

<sup>[3]</sup> Under conditions where the flash does not fire.

<sup>[4]</sup> Depending on memory card speed / capacity / compression setting.

<sup>[6]</sup> Some settings limit availability.

<sup>[7]</sup> 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.

<sup>[11]</sup> 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](http://www.canon-europe.com/wirelesscompacts)

<sup>[12]</sup> Sustained continuous shooting function requires compatible SDHC/SDXC UHS Speed Class 1 memory card, total number of frames captured varies depending on shooting subject.

<sup>[13]</sup> Values at maximum optical focal length. Cameras whose focal length exceeds 350 mm (35 mm equivalent) are measured at 350 mm.

<sup>[14]</sup> Image processing may cause a decrease in the number of pixels.

<sup>[15]</sup> ISO sensitivity denotes Recommended Exposure Index

<sup>[16]</sup> Auto ND Filter not available in Movie Mode.

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