## PowerShot G9X Mark II

# Pocketable performance – premium results

Expert quality in a connected camera that's ideal as a smartphone companion. A 1.0 type sensor, bright f/2.0-4.9 lens and superior DIGIC 7 ensure DSLR-like creativity with as much or as little control as you like.





























- A truly pocketable, superfast camera with large sensor, DIGIC 7 and optical image stabilisation for superb results
- Enjoy as much or as little control as you want with a simple Lens Control Ring and intuitive touchscreen
- Shoot and share great Full HD 60p movies with creative control and Dynamic IS for rock steady results
- Explore your creativity with enhanced Star Mode, Handheld HDR and Short Clip movie
- Easily connect to smart devices, shoot remotely and share or back up your creations with Wi-Fi\*, NFC and Bluetooth®

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### **Product Range**



PowerShot G5 X

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



**PowerShot** G7 X MARK II



**PowerShot** G9 X Mark II



<sup>\*</sup> Wi-Fi connectivity and features vary by model and region.

## PowerShot G9X Mark II

## Technical Specifications

IMAGE SENSOR

Туре **Effective Pixels** Effective / Total Pixels

IMAGE PROCESSOR

DIGIC 7

LENS

**Focal Length** Zoom

Maximum f/number Construction

Image Stabilisation

FOCUSING Type

AF Modes

AF System/ Points

AF Point Selection AF Lock

**AF Assist Beam** Manual Focus

**Focus Bracketing** 

Closest Focusing Distance

**EXPOSURE CONTROL** 

Metering modes **AE Lock** 

**Exposure Compensation** 

AEB

ISO sensitivity

SHUTTER

Speed

WHITE BALANCE Settings

1.0 type back-illuminated CMOS Approx. 20.1M (Aspect ratio 3:2) [14]

Approx. 20.9M

10.2 – 30.6 mm (35 mm equivalent: 28 – 84 mm)

Optical 3x 700mPlus 6x Digital Approx. 4x

(with Digital Tele-Converterapprox. 1.6x or 2.0x [1]) Combined approx. 12x

f/2.0 - f/4.9

8 elements in 6 groups (2 double sided aspherical UA lens, 1 single sided aspherical lens)

Yes (lens shift-type), approx. 3.5-stop [13] Intelligent IS with 5-axis Advanced Dynamic IS & Auto Level

AiAF (31-point, Face Detection or Touch AF with Object and Face Select and Track), 1-point AF (any position is available within approx. 90% of the frame or fixed centre)

Single, Continuous, Servo AF/AE [6], Touch AF

Size (Normal, Small)

Yes, via customisable Movie Record Button

Yes

Yes, plus MF Peaking

5 cm (Wide) from front of lens 35 cm (Tele) from front of lens

Evaluative (linked to Face Detection AF frame).

Centre-weighted average, Spot

Yes, AEL function available as touch button on-screen. Also available via customisable Movie Record Button

+/- 3 FV in 1/3 stop increments Auto Lighting Optimizer

ND Filter (3-stop) On / Auto / Off [16] +/ - 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

AUTO ISO: 125 - 12800

(possible to set Max. ISO speed and rate of change)

1 - 1/2000 s (Auto Mode) 1/8 - 1/2000 s (Movie Mode)

BULB, 30 – 1/2000 s (total range – varies by shooting mode) [19]

Auto (including Face Detection WB), Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash, Custom, Color temp (Kelvin)

White Balance Compensation Colour adjustment in Star mode ICD MONITOR

Monitor 7.5 cm (3.0") Touchscreen LCD (TFT). 3:2 aspect ratio.

Approx. 1,040,000 dots. Electrostatic capacitance type. Reinforced glass cover panel.

Approx. 100%

Coverage Adjustable to one of five levels. **Briahtness** 

Quick-bright LCD available via holding INFO Button

Night Display Mode available

FLASH

Modes Auto, Manual Flash On / Off, Slow Synchro

Slow Sync Speed Yes, Fastest speed 1/2000 s

**Red-Eye Reduction** 

Flash Exposure +/- 2 EV in 1/3 stop increments. Face Detection FE, Safety FE Compensation

> Yes, available via AEL touch button on-screen, Also available via Movie Record Button when customised to AEL

function 3 levels with internal flash

Synchronisation 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

Flash Exposure Lock

Second Curtain

Manual Power Adjustment

Modes

Smart Auto (58 scenes detected), Hybrid Auto, Program AF. Shutter priority AE, Aperture priority AE, Manual, Custom, SCN (Portrait, Panning, Star (Star Nightscape, Star Trails, Star Portrait, Star Time-Lapse Movie), Handheld Night Scene,

Grainy B/W, Background Defocus, Soft Focus, Fish-eye Effect, Art bold effect, Water painting effect, Toy Camera Effect, Miniature Effect, High Dynamic Range, Fireworks), Movie (Standard, Short Clip, Manual, Time-lapse movie,

iFrame movie)

Picture Styles (Auto, Standard, Portrait, Landscape, Photo Effects Fine Detail, Neutral, Faithful, Monochrome, User Defined x3

(Sharpness (Strenath, Fineness, Threshold), Contrast, Color Saturation, Color Tone, Filtering Effect, Toning)) Single, Auto Drive, Continuous, Continuous with AF

Self-Timer

Approx. 8.2 shots/s for up to 21 frames in RAW Continuous Shooting

Approx. 8.1 shots/s for up to 38 frames in JPEG

With AF: Approx. 5.3 shots/s for up to 102 frames in JPEG

Low-speed Continuous Shooting Mode available at approx. 4 shots/s until memory card becomes full in JPEG and for up to 27 frames in RAW [3] [20]

RECORDING PIXELS / COMPRESSION

**Image Size** 

Compression

Movie Length

Drive modes

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

RAW, Fine, Normal

(Full HD) 1920 x 1080, 59.94 / 50 / 29.97 / 25 / 23.98 fps Movies

(HD) 1280 x 720, 29.97 / 25 fps (L) 640 x 480, 29.97 / 25 fps

(Full HD & HD) Up to 4 GB or 29 min 59 s [7]

(L) Up to 4 GB or 1 hour



## PowerShot G9X Mark II

## Technical Specifications

### **FILE TYPES**

Still Image Type

Movies

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 MP4 [Video: MPEG-4 AVC / H.264, Audio: MPEG-4 AAC-LC

### OTHER FEATURES

**Red-Eye Correction** My Camera / My Menu Intelligent Orientation Sensor

Histogram Playback zoom

Menu Languages

INTERFACE

Computer Othe

Computer/Other

**MEMORY CARD** 

SUPPORTED OPERATING

PC & Macintosh

SOFTWARE

Canon Inc.

Image Manipulation

GPS via Mobile (linked to a compatible smartphone)

Yes, during shooting and playback My Menu customisation available

Yes, live histogram

Yes

Approx. 2, 10 s or 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

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

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

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

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

Windows 10 / 8.1 / 8 / 7 SP1 [18] Mac OS X 10.9 / 10.10 / 10.11 / 10.12

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 / 10.12

CameraWindow DC Map Utility

Image Transfer Utility

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. 235 shots Eco mode approx. 355 shots Approx. 300 min playback

Charging via USB available with Compact Power Adapter CA-DC30E  $^{[17]}$  or other typical USB charging methods A/C Power Supply

**ACCESSORIES** 

Cases / Straps

Flash

Power Supply & Battery Chargers

Other

**PHYSICAL SPECIFICATIONS** 

Operating Environment Dimensions (WxHxD)

Weight

Soft Case DCC-1890 PowerShot Accessory Organizer Canon High Power Flash HF-DC2 Compact Power Adapter CA-DC30E Battery Charger CB-2LHE

Rechargeable Li-ion Battery NB-13L Interface cable IFC-600PCU

0 - 40 °C 10 - 90% humidity 98.0 x 57.9 x 31.3 mm

Approx. 206 g (including battery and memory card)

Footnotes

Depending on the image size selected.

Under conditions where the flash does not fire.

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

Some settings limit availability

The following Speed Class memory cards are required for maximum record time: (HD)  $1280 \times 720$  Speed Class 4 or above. (Full HD)  $1920 \times 1080$  Speed Class 6 or above. (iFrame) 1280 x 720 Speed Class 6 or above.

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

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

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

[15] ISO sensitivity denotes Recommended Exposure Index

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

Maximum shutter speed is limited at 256 s in BULB Mode

| Maximum shurrier speed is irrilled at 200 s in out or whose
| Sustained confinences 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
| 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011 | 2011

[21] Equipped with Bluetooth® low energy technology. The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth

[22] Bluetooth connection requires smart device to be equipped with Bluetooth version 4.0 [or

later). Also requires smart device to be using operating system iOS 8.4 (or later) or Android 5.0 (or later) as well as latest version of Camera Connect app installed

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

Subject to change without notice



