PowerShot *G9X* Mark II

A COMPACT MASTERPIECE

Slim and beautifully crafted, the PowerShot G9 X Mark II deliver amazing performance in a minimalist design. Available in black or silver with retro tan side panels, and weighing just 206g, It's perfect for pockets.

A Pocketable Powerhouse

The combination of a 1.0-type back-illuminated 20.1 Megapixel CMOS sensor with the exceptional speed of a DIG!C 7 processor delivers uncompromising image quality. A 28mm wide-angle f/2–f/4.9, 3x optical zoom lens and large 1.0-type CMOS sensor allow you to capture sharp, high-detailed images even when on the move or in challenging lighting conditions.

Create superb full HD movies

Become a budding videographer and capture incredible Full HD movies; DiG!C 7's improved subject tracking ensures you capture everything, from big, sudden movements to small changes in facial expression.

Share instantly

The PowerShot G9 X Mark II is equipped with Bluetooth® low energy technology which enables constant link between a smart device and the camera, for easy activation of a full Wi-Fi connection. Once paired, you can download images or use live view remote shooting by using the Camera Connect app.

no one sees it like you

PowerShot G9X Mark II

A Compact Masterpiece

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, 20.1MP CMOS sensor enables incredible image quality even in low light situations

Control Ring

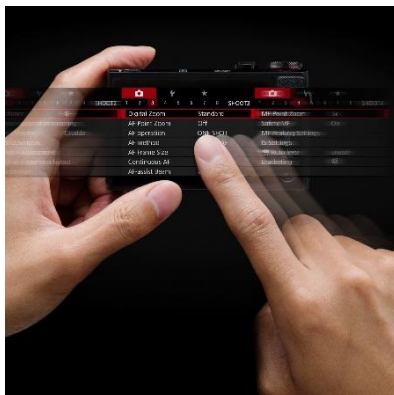The handy Lens Control Ring can quickly assign control to various functions including aperture & shutter speed

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

Bluetooth®

Bluetooth® creates a constant connection between smartphone & camera. Shoot remotely, view & transfer images with the Canon Camera Connect App

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PowerShot G9X Mark II

A COMPACT MASTERPIECE

20.1 MEGA PIXELS HIGH-SENSITIVITY CMOS

A large 1.0 type 20.1 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 3×

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

CANON DiG!C 7

Canon's new DiG!C 7 imaging processor offers boosted image processing power for more detail, richer tones, lower noise and vastly improved subject tracking ability

HS SYSTEM

The Canon HS SYSTEM is fuelled by the processing power of DIG!C 7, 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

★★★ Star

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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PowerShot G9 X Mark II

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

IMAGE PROCESSOR	
Type	DIG!C 7

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. 3.5-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 center)
AF Modes	Single, Continuous, Servo AF/AE [6], Touch AF
AF Point Selection	Size (Normal, Small)
AF Lock	Yes, via customisable Movie Record Button
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 (center or linked to Touch AF frame)
AE Lock	Yes, AEL function available as touch button on-screen. Also available via customisable Movie Record Button
Exposure Compensation	+/- 3 EV in 1/3 stop increments Auto Lighting Optimizer ND Filter (3-stop) On/ Auto/ Off [16]
AEB	+/ – 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) [19]

WHITE BALANCE	
Type	TTL
Settings	Auto (including Face Detection WB), Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom, Colour temp (Kelvin) White Balance Compensation Colour adjustment in Star mode

LCD 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.
Coverage	Approx. 100%
Brightness	Adjustable to one of five levels. 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 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, available via AEL touch button on-screen. Also available via Movie Record Button when customised to AEL Function
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), Hybrid Auto, Program AE, 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)
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))
Drive modes	Single, Auto Drive, Continuous, Continuous with AF, Self Timer
Continuous Shooting	Approx. 8.2 shots/s for up to 21 frames in RAW 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	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 (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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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, live histogram
Playback zoom	Yes
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 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]
	Bluetooth® (Specification version 4.1, Bluetooth low energy technology) [21] [22]

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 / 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

SOFTWARE	
Other	CameraWindow DC Map Utility Image Transfer Utility Camera Connect app available on iOS and Andrioid 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. 235 shots Eco mode approx. 355 shots Approx. 300 min. playback
A/C Power Supply	Charging via USB available with Compact Power Adaptor CA-DC30E [17] or other typical USB charging methods

ACCESSORIES	
Cases / Straps	Soft Case DCC-1890 Powershot Accessory Organizer
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)	98.0 x 57.9 x 31.3 mm
Weight	Approx. 206 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.

[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

[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

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