

DIGITAL CAMERA		PowerShot SX610 HS
IMAGE SENSOR		
Type	1/2.3 type back-illuminated CMOS	
Effective Pixels	Approx. 20.2M [14]	
Colour Filter Type	Primary Colour	
IMAGE PROCESSOR		
Type	DIGIC 4+ with iSAPS technology	
LENS		
Focal Length	4.5 – 81.0 mm (35 mm equivalent: 25 – 450 mm)	
Zoom	Optical 18x ZoomPlus 36x Digital Approx. 4.0x (with Digital Tele-Converter Approx. 1.6x or 2.0x). Combined Approx. 72x [1]	
Maximum f/number	f/3.8 – f/6.9	
Construction	11 elements in 8 groups (1 UD lens, 1 double-sided aspherical UA lens, 1 double-sided aspherical lens)	
Image Stabilisation	Yes (lens shift-type), Approx. 2.5-stop [13]. Intelligent IS plus 4-axis Enhanced Dynamic IS	
FOCUSING		
Type	TTL	
AF System/Points	AiAF (Face Detection / 9-point), 1-point AF (fixed to centre)	
AF Modes	Single, Continuous, Servo AF/AE [6], Tracking AF	
AF Point Selection	Size (Normal, Small)	
AF Lock	Yes	
AF Assist Beam	Yes	
Closest Focusing Distance	5 cm (W) from front of lens in Macro	
EXPOSURE CONTROL		
Metering modes	Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (Centre)	
AE Lock	Yes	
Exposure Compensation	+/- 2 EV in 1/3 stop increments. Enhanced i-Contrast for automatic dynamic range correction	
ISO sensitivity	AUTO, 100, 200, 400, 800, 1600, 3200	
SHUTTER		
Speed	1 – 1/2000 sec. (factory default) 15 – 1/2000 sec. (total range – varies by shooting mode)	
WHITE BALANCE		
Type	TTL	
Settings	Auto (including Face Detection WB), Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom.	
LCD MONITOR		
Monitor	7.5 cm (3.0") sRGB PureColor II G LCD (TFT). Approx. 922,000 dots	
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	Fastest speed 1/2000 sec.	
Red-Eye Reduction	Yes	
Flash Exposure Compensation	Face Detection FE, Smart Flash Exposure	
Flash Exposure Lock	Yes	
Built-in Flash Range	50 cm – 3.5 m (W) / 1.0 m – 2.0 m (T)	
External Flash	Canon High Power Flash HF-DC2	
SHOOTING		
Modes	Hybrid Auto, Creative Shot, SCN (Smart Auto (32 scenes detected), P, Portrait, Smart Shutter (Smile, Wink Self-Timer, FaceSelf-Timer), High-speed Burst (5.0 MP), Handheld Night Scene, Low Light (5.0 MP), Fish-eye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect, Snow, Fireworks, Long Shutter)	
Modes in Movie	Smart Auto (21 scenes detected), P, Portrait, Miniature Effect, Monochrome, Super Vivid, Poster Effect, Snow, Fireworks	
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)	
Drive modes	Single, Continuous, Self-Timer	
Continuous Shooting	Approx. 2.5 shots/sec. High-speed Burst (5.0 MP): Approx. 7.2 shots/sec. (all speeds are until memory card becomes full)[3][4]	
RECORDING PIXELS / COMPRESSION		
Image Size	4:3 - (L) 5184 x 3888, (M1) 3648 x 2736, (M2) 2048 x 1536, (S) 640 x 480 16:9 - (L) 5184 x 2912, (M1) 3648 x 2048, (M2) 1920 x 1080, (S) 640 x 360 3:2 - (L) 5184 x 3456, (M1) 3648 x 2432, (M2) 2048 x 1368, (S) 640 x 424 1:1 - (L) 3888 x 3888, (M1) 2736 x 2736, (M2) 1536 x 1536, (S) 480 x 480	
Compression	Resize in playback (M2) Superfine, Fine	
Movies	(Full HD) 1920 x 1080, 30 fps, (HD) 1280 x 720, 30 fps, (L) 640 x 480, 30 fps	
Movie Length	Miniature Effect (HD, L) 6 fps, 3 fps, 1.5 fps Hybrid Auto Movie (HD) 30 fps (Full HD & HD) Up to 4 GB or 29 min. 59 sec. [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, Digital Print Order Format [DPOF] Version 1.1 compliant	
Movies	MP4 [Video: MPEG4-AVC / H.264, Audio: MPEG4 AAC-LC (monaural)]	

DIRECT PRINT		
Canon Printers	Canon SELPHY Compact Photo Printers and Canon Inkjet Printers supporting PictBridge	Yes (via USB or Wireless LAN)
PictBridge		
OTHER FEATURES		
GPS	GPS via mobile (linked to compatible smartphone)	Yes, during shooting and playback
Red-Eye Correction		Yes, with Auto Rotate
Intelligent Orientation Sensor		Yes
Histogram		Approx. 2x – 10x
Playback zoom		Approx. 2 or 10 sec. or Custom
Self Timer		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
Menu Languages		
INTERFACE		
Computer	Hi-Speed USB (MTP, PTP) dedicated connector (Mini-B compatible)	
Other	HDMI Micro Connector, A/V output (PAL/NTSC)	
Computer/Other	Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only), with Dynamic NFC support [11]	
MEMORY CARD		
Type		SD, SDHC, SDXC
SUPPORTED OPERATING SYSTEM		
PC & Macintosh	Windows 8 / 8.1 / 7 SP1 Mac OS X 10.8 / 10.9	
		For Wi-Fi connection to a PC: Windows 8 / 8.1 / 7 SP1 only Mac OS X 10.8.2 or later / 10.9
SOFTWARE		
Other	CameraWindow DC Map Utility Image Transfer Utility	
POWER SOURCE		
Batteries	Rechargeable Li-ion Battery NB-6LH (battery and charger supplied)	
Battery life	Approx. 270 shots Eco Mode: Approx. 400 shots	
A/C Power Supply	Approx. 300 min. playback Optional, AC Adapter Kit ACK-DC40	
ACCESSORIES		
Cases / Straps	Soft Case DCC-1570 Travel Case DCC-2500 PowerShot Accessory Organizer	
Flash	High Power Flash HF-DC2	
Power Supply & Battery Chargers	AC Adapter Kit ACK-DC40 Battery Charger CB-2LYE	
Other	Canon AV cable AVC-DC400 Interface Cable IFC-400PCU	
PHYSICAL SPECIFICATIONS		
Operating Environment		0 – 40 °C, 10 – 90% humidity
Dimensions (WxHxD)		105.3 x 61.0 x 26.7 mm
Weight		Approx. 191 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.