Specifications - PowerShot SX710 HS

Type
Compact digital still camera with built-in flash, 30x Optical, 4x Digital and 120x Combined Zoom with Optical Image Stabilizer

Image Capture Device

Type
20.3 Megapixel, 1/2.3-inch CMOS

Total Pixels
Approx. 21.1 Megapixels

Effective Pixels
Approx. 20.3 Megapixels*
*Image processing may cause a decrease in the number of pixels.

Lens

Focal Length
4.5mm (W) - 135.0mm (T) (35mm film equivalent: 25-750mm)

Optical Zoom
30x

Digital Zoom
4.0x

Focusing Range
Auto: 0.4 in. (1 cm) - infinity (W), 4.6 ft. (1.4 m) - infinity (T);
Normal: 2.0 in. (5 cm) - infinity (W), 4.6 ft. (1.4 m) - infinity (T);
Macro: 0.4 in. - 1.6 ft. (1 - 50 cm);
Sports: 3.3 ft. (1 m) - infinity (W), 26.0 ft. (8m) - infinity (T)

Autofocus System
TTL Autofocus, Manual Focus

Viewfinders

Optical Viewfinder
Not available

LCD Monitor
3.0-inch TFT Color LCD with wide viewing angle (4:3)

LCD Pixels
Approx. 922,000 dots

LCD Coverage
Approx. 100%

Aperture and Shutter

Maximum Aperture
f/3.2 (W), f/6.9 (T)

Shutter Speed
1 - 1/3200 sec.
15 - 1/3200 sec. (in Tv and M Modes)

Exposure Control

Sensitivity
Auto, ISO 80-3200
Available in 1-step increments

Light Metering Method
Evaluative[*1], Center-weighted average, Spot[*2]

[*1] Facial brightness is evaluated (Face Detect AE) in Face Detect.
[*2] Fixed to Center, linked to AF frame

Exposure Control Method
AE Lock

Exposure Compensation
±2 stops in 1/3-stop increments

White Balance

White Balance Control
Auto*, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom

* Facial color is evaluated in Face Detect (Face Detect WB).

• Adjusts the white balance separately for the main subject and the background when the flash fires

Flash

Built-in Flash
Auto, On, Slow Synchro, Off

• Facial brightness is also evaluated in Face Detect
Flash Range
1.6 - 11 ft. (W), 4.6 - 6.6 ft. (T) / (50cm - 3.5m (W), 1.4 - 2.0m (T))

• Image brightness at the corners may diminish depending on the shooting distance
Recycling Time
10 seconds or less (battery voltage: 3.7 V)

Flash Exposure Compensation
±2 stops in 1/3 increments

Shooting Specifications

Shooting Modes
M, Av, Tv, P, Live View Control, Hybrid Auto, Auto, Creative Shot[1], Sports, Portrait, Smart Shutter[2], Handheld Night Scene, Low Light, Snow, Fireworks, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Soft Focus, Monochrome, Super Vivid, Poster Effect, Standard Movie, Short Clip, iFrame Movie

[*1]Auto, Retro, Monochrome, Special and Natural effects

[2]Smmile, Wink Self-timer, FaceSelf-timer
Shooting movies is possible with the movie button

Photo Effects
My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin, Darker Skin, Vivid Blue, Vivid Green, Vivid Red, Custom Color*

* Adjustment of contrast, sharpness, saturation, red, green, blue and skin tone are available.

Self Timer
Approx. 10-sec. delay, Approx. 2-sec. delay, Custom

Wireless Control
Wi-Fi™ and NFC

Continuous Shooting
Normal: Approx. 3.1 shots/sec. (in P mode)
Normal: Approx. 8.5 shots/sec. (in High-speed Burst HQ)

- Under conditions where the flash does not fire automatically.
- Differs depending on the zoom position.

Image Storage

Storage Media
SD/SDHC/SDXC and UHS-I Memory Cards

File Format
Design rule for Camera File system, DPOF (Version 1.1) compliant

Image Recording Format
JPEG (Superfine, Fine)

JPEG Compression Mode
Still Image: Exif 2.3 JPEG
Video: MP4 (Image data: MPEG-4 AVC/H.264; Audio data: MPEG-4 AAC-LC (Stereo))

Number of Recording Pixels
Still Images:
1) 16:9 - Large: 5184 x 2912; Medium 1: 3648 x 2048; Medium 2: 1920 x 1080; Small: 640 x 360

2) 3:2 - Large: 5184 x 3456; Medium 1: 3648 x 2432; Medium 2: 2048 x 1368; Small: 640 x 424

3) 4:3 - Large: 5184 x 3888; Medium 1: 3648 x 2736; Medium 2: 2048 x 1536; Small: 640 x 480

4) 1:1 - Large: 3888 x 3888; Medium 1: 2736 x 2736; Medium 2: 1536 x 1536; Small: 480 x 480

5) In Low Light: Medium: 2592 x 1944

Videos:
Full HD 1920 x 1080: 60 fps (59.94), 30 fps (29.97)
iFrame Movie 1920 x 1080: 30 fps (29.97)
HD 1280 x 720: 30 fps (29.97)
Digest Movie 1280 x 720: 30 fps (29.97)
Miniature Effect 1280 x 720[*1]: 6 fps, 3 fps, 1.5 fps
Miniature Effect 640 x 480[*1]: 6 fps, 3 fps, 1.5 fps
Short Clip 1280 x 720: 30 fps (29.97)
[1]Playback: 30 fps (29.97)

Number of Recordable Images

Image data

		16:9		3:2		4:3		1:1	
		File Size (KB)	16 GB	File Size (KB)	16 GB	File Size (KB)	16 GB	File Size (KB)	16 GB
Large (L)	SF	7,156	2,159	8,286	1,868	9,201	1,680	6,901	2,238
	F	4,483	3,421	5,114	3,017	5,633	2,729	4,225	3,625
Medium 1 (M1)	SF	3,847	3,982	4,361	3,520	4,785	3,217	3,589	4,262
	F	2,524	6,073	2,790	5,459	3,018	5,061	2,264	6,748
Medium 2 (M2)	SF	1,095	13,497	1,440	10,563	1,602	9,344	1,213	12,459
	F	604	24,296	793	18,689	893	16,755	668	22,087
Small (S)	SF	188	69,418	221	60,741	249	53,992	188	69,418
	F	113	97,186	133	80,988	150	80,988	113	97,186
Medium* (M)	F	N/A				1,839	8,235	N/A	

Note: SF=Superfine / F=Fine
* When in Low Light.
• The approximate number of images recordable on memory cards other than the above can be calculated by using the above figures as a reference and extrapolating accordingly.

Time of Recordable Movies

Movie data

	iFrame Movie	Short Clip	Miniature Effect					
	Full HD: 1920 x 1080	HD: 1280 x 720	HD: 1280 x 720			VGA: 640 x 480		
Shooting	30 fps*3	30 fps*3	6 fps (5x Speed)	3 fps (10x Speed)	1.5 fps (20x Speed)	6 fps (5x Speed)	3 fps (10x Speed)	1.5 fps (20x Speed)
Playback			30 fps*3			30 fps*3		
Single Clip Approx. Recording Time*2	29 min. 59 sec.	Depends on setting	29 min. 59 sec.			1 hr.		
Video Recording Bit Rate	NA		NA			NA		
Movie Size (KB/sec.)	4,898	977	195	98	49	73	37	18
16GB	52 min. 12 sec.	4 hrs. 12 min. 55 sec.	21 hrs. 12 min. 38 sec.	40 hrs. 43 min. 15. sec.	75 hrs. 43 min. 35 sec.	52 hrs. 57 min. 51 sec.	95 hrs. 55 min. 27 sec.	162 hrs. 53 min. 25 sec.

	Other than the Above			
	Full HD: 1920 x 1080		HD: 1280 x 720	VGA: 640 x 480
Shooting	60 fps*2	30 fps*3	30 fps*3	30 fps*3
Playback	30 fps*3			

Single Clip Approx. Recording Time[2]	29 min. 59 sec.		29 min. 59 sec.	1 hr.
Video Recording Bit Rate	Approx. 35 Mbps	Approx. 24 Mbps	Approx. 8 Mbps	Approx. 3 Mbps
Movie Size (KB/sec.)	4,288	2,945	992	382
16GB	59 min. 30 sec.	1 hr. 26 min. 05 sec.	4 hrs. 05 min. 15 sec.	10 hrs. 22 min. 35 sec.

[1] Using an SD Speed Class 10 / UHS-I compatible memory card.
 • Recording stops automatically once the file size reaches 4 GB or the memory card becomes full.
 • Recording may stop unexpectedly if a memory card with a low Speed Class is used.
[2] Actual frame rate is 59.94 fps.
[3] Actual frame rate is 29.97 fps.

Playback Specifications

Playback Modes File
Still Images & Videos:

Auto Rotate, Transition Effects (Off, Fade), Scroll Display, Rotate, Favorites, Search Jump (Favorites, Date, Still Images, Movies, Digest, Jump 10 Images, Jump 100 Images), Smart Shuffle, Group Playback, Movie Digest, Filtered Playback, Slideshow

Still Images:

Single, Index, Magnification (Approx. 2x-10x), Thumbnails, Information Display, Histogram, Overexposure Warning, Resume Playback, Red-Eye Correction, Cropping, i-Contrast, Resize, My Colors

Videos:

Normal Playback, Skip Backward, Previous Frame, Next Frame, Skip Forward, Resume Playback, Erase Clip, Edit Digest Movie

Erasing Specifications

Erase Modes
Select[1], Select Range, Select All Images

• The image data in memory card stored with the design rule for camera file systems format can be erased (however, protected images cannot be erased).

• RAW+JPEG images can be erased individually.

[1] Movies can be erased individually.

Interfaces

Video Out
Analog: NTSC or PAL, Digital: HDMI (HDMI™ micro connector)

Audio Out
Stereo

Other
SD memory card slot; direct connection to Canon SELPHY, PIXMA and PictBridge-compatible printers

Power Source
Battery Pack NB-6LH, AC Adapter Kit ACK-DC40

Shooting Capacity
Approx. 230 Shots
Approx. 315 Shots in ECO Mode

Playback Time
Approx. 4 hours

Physical Specifications

Operating Temperature
32-104°F/0-40°C

Operating Humidity
10-90%

Dimensions (W x H x D)
4.44 x 2.59 x 1.37 in. / 112.7 x 65.8 x 34.8mm

Weight
Approx. 9.49 oz. / 269g (CIPA standard)
Approx. 8.64 oz. / 245g (Body only)

Note: 30 display languages provided (English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Simplified/Traditional Chinese, Japanese, Russian, Portuguese, Korean, Greek, Polish, Czech, Hungarian, Turkish, Thai, Arabic, Romanian, Ukrainian, Farsi, Hindi, Malaysian, Indonesian, Vietnamese).
All data are based on Canon's Standard Test Method. Subject to change without notice.