

Specifications – PowerShot SX60 HS

Type

Compact digital still camera with built-in flash, 65x Optical, 4x Digital and 260x Combined Zoom with Optical Image Stabilizer

Image Capture Device

Type

16.0 Megapixel*, 1/2.3-inch CMOS

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

Total Pixels

Approx. 16.8 Megapixels

Effective Pixels

Approx. 16.1 Megapixels

Lens

Focal Length

3.8 (W) - 247.0 (T) mm (35mm film equivalent: 21-1365mm)

Digital Zoom

4.0x

Focusing Range

0.0 in (0 cm) - infinity (W), 5.9 ft. (1.8 m) - infinity (T)

Macro 0.0 in. (0 cm) - 1.6 ft. (50 cm) (W)

Autofocus System

TTL Autofocus (Continuous, Servo AF), Manual Focus

Viewfinders

Optical Viewfinder

Electronic View finder (Approx. 922,000 dots)

LCD Monitor

3.0-inch Color Vari-angle LCD with wide viewing angle

LCD Pixels

Approx. 922,000 dots

LCD Coverage

Approx. 100%

Aperture and Shutter

Maximum Aperture

f/3.4 (W), f/6.5 (T)

Shutter Speed

1-1/2000 sec.

15-1/2000 sec. (in Tv and M modes)

Exposure Control

Sensitivity

Auto*, ISO 100/125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200
(When in P mode)/6400 (When in Low Light mode)

*Optimal ISO speed is automatically set depending on the shooting mode

Light Metering Method

Evaluative*, Center-weighted average, Spot**

*1 Facial brightness is evaluated (Face Detect AE) in Face Detect.

*2 Fixed to Center, linked to AF frame

Exposure Control Method

Manual Exposure, Program Shift, Safety Shift, AE Lock

Exposure Compensation

Still Images: ± 3 stops in 1/3-stop increments

Videos: ± 2 stops in 1/3-stop increments (not available during shooting)

White Balance**White Balance Control**

Auto*, Daylight, Shade, Cloudy, Tungsten, Fluorescent, Fluorescent H, Flash, Custom 1, Custom 2, Multi-area White Balance, White Balance Correction

Flash**Built-in Flash**

Auto, Flash On, Slow Synchro, Flash Off

- Facial brightness is also evaluated in Face Detect.

Flash Range

1.6 ft. (50 cm) - 18 ft. (5.5 m) (W), 5.9 ft. (1.8 m) - 9.8 ft. (3.0 m) (T)

Recycling Time

10 sec. or less (Battery voltage: 3.7 V)

Flash Exposure Compensation

± 2 stops in 1/3-stop increments

Shooting Specifications**Shooting Modes**

C1, C2, M, Av, Tv, P, Hybrid Auto, Auto, Creative Shot, Sports, SCN^{*1}, Creative Filters^{*2}, Movie^{*3}

^{*1} Portrait, Smart Shutter^{*4}, Handheld Night Scene, Low Light, Snow, Fireworks

^{*2} High Dynamic Range, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Soft Focus, Monochrome, Super Vivid, Poster Effect

^{*3} Standard, Manual (Movie), iFrame Movie, Super Slow Motion Movie

^{*4} Smile, Wink Self-timer, Face Self-timer

Photo Effects

My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, 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*

*Delay time (0-15 sec. (in one-second increments), 20/25/30 sec.) and number of shots (1-10 shots (in one-shot increments)) can be specified.

Wireless Control

Not Available

Continuous Shooting

1. Normal: Approx. 6.4* shots/sec. (in AUTO & P mode)
2. AF: Approx. 3.8* shots/sec. (in P mode)
3. LV: Approx. 4.6* shots/sec. (in P mode)

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

*Using an 8 GB, UHS-I compatible memory card that meets Canon's testing standards. The number of shots changes depending on subjects, brands of memory cards, etc. Shooting in RAW (including RAW+JPEG) is excluded.

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

Superfine / Fine

JPEG Compression Mode

Still Image: Exif. 2.3 (JPEG), RAW (12 bit, CR2 (Canon Original))

Video: MP4 (Image: MPEG-4 AVC/H.264; Audio: MPEG-4 AAC-LC (Stereo))

Number of Recording Pixels

Still Images:

1) 16:9 - Large: 4608 x 2592; Medium 1: 3264 x 1832; Medium 2: 1920 x 1080; Small: 640 x 360

2) 3:2 - Large: 4608 x 3072; Medium 1: 3264 x 2176; Medium 2: 2048 x 1368; Small: 640 x 424

3) 4:3 - Large: 4608 x 3456; Medium 1: 3264 x 2448; Medium 2: 2048 x 1536; Small: 640 x 480

4) 1:1 - Large: 3456 x 3456; Medium 1: 2448 x 2448; Medium 2: 1536 x 1536; Small: 480 x 480

5) 4:5 - Large: 2768 x 3456; Medium 1: 1952 x 2448; Medium 2: 1232 x 1536; Small: 384 x 480

Videos:

Full HD 1920 x 1080: 60 fps^{*3} / 30 fps^{*2}

Full HD iFrame Movie HD 1920 x 1080: 30 fps^{*2}

HD 1280 x 720: 30 fps^{*2}

640 x 480: 30 fps^{*2}

Super Slow Motion Movie 640 x 480: 120 fps^{*1}

Super Slow Motion Movie 320 x 240: 240 fps^{*1}

Miniature Effect for Movie 1280 x 720: 6 fps^{*1} / 3 fps^{*1} / 1.5 fps^{*1}

Miniature Effect for Movie: 640 x 480: 6 fps^{*1} / 3 fps^{*1} / 1.5 fps^{*1}

Digest Movie: 1280 x 720: 30fps^{*2}

^{*1} Playback frame rate is 30 fps^{*2}.

^{*2} Actual frame rate is 29.97 fps.

^{*3} Actual frame rate is 59.94 fps.

Number of Recordable Images

Image data

		16:9			3:2		
		File Size (KB)	8 GB	32 GB	File Size (KB)	8 GB	32 GB
Large (L)	SF	5,788	1,349	5,446	6,654	1,174	4,742
	F	3,673	2,116	8,545	4,148	1,874	7,567
Medium 1 (M1)	SF	3,199	2,431	9,814	3,593	2,154	8,695
	F	2,141	3,611	14,578	2,335	3,318	13,396
Medium 2 (M2)	SF	1,095	6,822	27,537	1,440	5,339	21,550
	F	604	12,280	49,567	793	9,446	38,128
Small (S)	SF	188	35,089	141,622	221	30,703	123,919
	F	113	49,125	198,271	133	40,937	165,225
Medium* (M)	F	NA	NA	NA	NA	NA	NA
RAW	RAW	24,764	316	1,278	24,670	317	1,283

		4:3			1:1		
		File Size (KB)	8 GB	32 GB	File Size (KB)	8 GB	32 GB
Large (L)	SF	7,365	1,058	4,272	5,524	1,411	5,696
	F	4,546	1,705	6,883	3,409	2,273	9,178
Medium 1 (M1)	SF	3,889	1,996	8,059	2,941	2,640	10,659
	F	2,513	3,069	12,391	1,880	4,093	16,522
Medium 2 (M2)	SF	1,602	4,723	19,064	1,213	6,297	25,418
	F	893	8,469	34,184	668	11,164	45,061
Small (S)	SF	249	27,291	110,150	188	35,089	141,622
	F	150	40,937	165,225	113	49,125	198,271
Medium* (M)	F	1,597	4,815	19,437	NA	NA	NA
RAW	RAW	24,613	317	1,284	24,500	319	1,291

		4:5		
		File Size (KB)	8 GB	32 GB
Large (L)	SF	4,424	1,753	7,080
	F	2,730	2,822	11,394
Medium 1 (M1)	SF	2,346	3,274	13,217
	F	1,500	5,116	20,652
Medium 2 (M2)	SF	973	7,675	30,979
	F	536	13,645	55,074
Small (S)	SF	150	40,937	165,225
	F	90	61,406	247,838
Medium* (M)	F	NA	NA	NA

RAW	RAW	24,432	320	1,295
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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	Miniature Effect						Super Slow Motion Movie	
	HD: 1920 x 1080	HD: 1280 x 720			640 x 480			640 x 480	320 x 240
	30 fps* ²	5x	10x	20x	5x	10x	20x	120 fps* ¹	240 fps* ¹
		6 fps* ¹	3 fps* ¹	1.5 fps* ¹	6 fps* ¹	3 fps* ¹	1.5* ¹ fps		
Movie Size (KB/sec.)	4,898	195	98	49	73	37	18	1,465	976
8GB	26 min. 22 sec.	10 hrs. 42 min. 58 sec.	20 hrs. 34 min. 24 sec.	38 hrs. 15 min. 35 sec.	26 hrs. 45 min. 37 sec.	48 hrs. 27 min. 58 sec.	82 hrs. 18 min. 04 sec.	1 hr. 27 min. 00 sec.	2 hr. 07 min. 47 sec.
32GB	1 hr. 46 min. 33 sec.	43 hrs. 17 min. 23 sec.	83 hrs. 06 min. 30 sec.	154 hrs. 33 min. 09 sec.	108 hrs. 05 min. 38 sec.	195 hrs. 46 min. 14 sec.	332 hrs. 26 min. 26 sec.	5 hr. 51 min. 26 sec.	8 hr. 36 min. 11 sec.

	Other			
	Full HD: 1920 x 1080		HD: 1280 x 720	640 x 480
	60 fps* ³	30 fps* ⁴	30 fps* ⁴	30 fps* ⁴
Movie size (KB/sec.)	4,288	2,945	992	382
8GB	30 min. 03 sec.	43 min. 29 sec.	2 hrs. 03 min. 55 sec.	5 hrs. 14 min. 34 sec.
32GB	2 hrs. 01 min. 27 sec.	2 hrs. 55 min. 43 sec.	8 hrs. 20 min. 32 sec.	21 hrs. 10 min. 38 sec.

*¹ Playback frame rate is 30 fps*².

*² Actual frame rate is 29.97 fps.

*³ Actual frame rate is 59.94 fps.

Playback Specifications

Playback Modes File

Stills & Videos:

Auto Rotate (Automatic vertical/horizontal detection), Index Continuous Display, Image Advance (Operation Tools, Transition Effects, Scroll Display), Rotate, Favorites, My Category, Smart Shuffle, Group Playback, Movie Digest, Slideshow (Playback Interval, Repeat, Effect, Playlist)

Still Images:

Single, Index, Magnification (2-10x), Switch to other images while zoomed, Information Display, Red-eye Correction, Photobook Setup, Cropping, Resize, My Colors, Face ID info, Histogram, RGB Histogram, Location Information, Overexposure Warning

Videos:

Normal Playback^{*1}, Pause, Slow Motion, Skip Backward^{*2}, Previous Frame^{*3}, Next Frame^{*3}, Skip Forward^{*2}, Erase chapters, Editing, Movie Transcoding

Using the software included with the camera (ImageBrowser EX), there are 8 levels (1/8x to 1x) of playback speed for Super Slow Motion Movies possible on a computer.

Erasing Specifications

Erase Modes

Select Image, Select Range, Select All Images

- The image data in the memory card stored with the Design rule for Camera File systems format can be erased (however, protected images cannot be erased).
- Using the Movie editing function, sections of the movie can be deleted.
- RAW+JPEG images can be erased individually.

Interfaces

Video Out

Analog: NTSC or PAL, Digital: HDMI (HDMI™ mini connector)

Audio Out

Stereo

Other

SD memory card slot; direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers.
External Microphone input terminal (ø3.5mm stereo mini jack)

Power Source

Battery Pack NB-10L, AC Adapter Kit ACK-DC80

Shooting Capacity

Approx. 340 shots when using LCD monitor

Approx. 450 shots when using ECO mode

Playback Time

Approx. 6 hours

Physical Specifications

Operating Temperature

32-104°F/0-40°C

Operating Humidity

10-90%

Dimensions (W x H x D)

5.02 x 3.65 x 4.50 in. / 127.6 x 92.6 x 114.3 mm

Weight

1.43 lb. / 650 g (CIPA standard)

1.34 lb. / 607 g (camera 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).