

Specifications – PowerShot SX400 IS

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

16.0 Megapixel, 1/2.3-inch CCD

Total Pixels

Approx. 16.6 Megapixels

Effective Pixels

Approx. 16.0 Megapixels*

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

Lens

Focal Length

4.3 (W) - 129.0 (T) mm (35mm film equivalent: 24-720mm)

Digital Zoom

4.0x

Focusing Range

Normal: 2.0 in. (5cm) - infinity (W), 4.6 ft. (1.4m) - infinity (T)

Auto/Manual: 0.0 in. (0cm) - infinity (W), 4.6 ft. (1.4cm) - infinity (T)

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

Autofocus System

TTL Autofocus

Viewfinders

Optical Viewfinder

Not available

LCD Monitor

3.0-inch TFT Color LCD with wide viewing angle

LCD Pixels

Approx. 230,000 dots

LCD Coverage

Approx. 100%

Aperture and Shutter

Maximum Aperture

f/3.4 (W), f/5.8 (T)

Shutter Speed

1-1/1600 sec.

15-1 sec. (shooting long exposures)

Exposure Control

Sensitivity

Auto, ISO 100-1600

Light Metering Method

Evaluative*, Center-weighted average, Spot**

* Facial brightness is evaluated in Face Detection A.F.

** Metering frame is fixed to the center.

Exposure Control Method

AE Lock

Exposure Compensation

Still Images: ± 2 stops in 1/3-stop increments

White Balance

White Balance Control

Auto*, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom

* Camera automatically sets the optimal ISO speed according to shooting mode.

Flash

Built-in Flash

Auto, Flash On, Slow Synchro, Flash Off

- Facial brightness is also evaluated in Face Detect.

Flash Range

1.6 ft. - 16 ft. (W), 4.6 - 9.8 ft. (T) (50cm - 5.0m (W), (1.4m - 3.0m (T))

*Image brightness may diminish depending on the shooting distance.

Recycling Time

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

Flash Exposure Compensation

Not available

Shooting Specifications

Shooting Modes

P, Live View Control, Auto, Portrait, Face Self-timer, Low Light, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect, Snow, Fireworks, Long Shutter

- Shooting movies is done with the movie button

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

Normal: Approx. 0.8 shots/sec. (in P mode)

Normal: Approx. 3.2 shots/sec. (in Low Light mode)

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

Image Storage

Storage Media

SD Memory Card, SDHC Memory Card, SDXC Memory Card

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)

Video: MOV (Image: H.264; Audio: Linear PCM (Monaural))

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

*2304 x 1728 (M) when in Low Light

Number of Recordable Images

Image data

		16:9			3:2			4:3		
		File Size (KB)	8GB	32GB	File Size (KB)	8GB	32GB	File Size (KB)	8GB	32GB
Large (L1)	SF	5,788	1,349	5,446	6,654	1,174	4,742	7,365	1,058	4,272
	F	3,673	2,116	8,545	4,148	1,874	7,567	4,546	1,705	6,883
Medium 1 (M1)	SF	3,199	2,431	9,814	3,593	2,154	8,695	3,889	1,996	8,059
	F	2,141	3,611	14,578	2,335	3,318	13,396	2,513	3,069	12,391
Medium 2 (M2)	SF	1,095	6,822	27,537	1,440	5,339	21,550	1,602	4,723	19,064
	F	604	12,280	49,567	793	9,446	38,128	893	8,469	34,184

Small (S)	SF	188	35,089	141,622	221	30,703	123,919	249	27,291	110,150
	F	113	49,125	198,271	133	40,937	165,225	150	40,937	165,225
Medium* (M)	F	NA	NA	NA	NA	NA	NA	1,597	4,815	19,437

	1:1			
		File Size (KB)	8GB	32GB
Large (L1)	SF	5,524	1,411	5,696
	F	3,409	2,273	9,178
Medium 1 (M1)	SF	2,941	2,640	10,659
	F	1,880	4,093	16,522
Medium 2 (M2)	SF	1,213	6,297	25,418
	F	668	11,164	45,061
Small (S)	SF	188	35,089	141,622
	F	113	49,125	198,271
Medium* (M)	F	NA	NA	NA

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

	Miniature Effect					
	HD: 1280 x 720			640 x 480		
	5x	10x	20x	5x	10x	20x
	5 fps** ^Δ	3 fps** ^Δ	1.5 fps** ^Δ	6 fps** ^Δ	3 fps** ^Δ	1.5 fps** ^Δ
Movie Size (KB/sec.)	319	159	80	84	42	21
8GB	6 hrs. 40 min. 07	13 hrs. 01 min.	24 hrs. 46 min. 50	23 hrs. 42 min.	43 hrs. 36 min.	75 hrs. 11 min.

	sec.	08 sec.	sec.	12 sec.	51 sec.	50 sec.
32GB	26 hrs. 56 min. 23 sec.	52 hrs. 35 min. 36 sec.	100 hrs. 06 min. 24 sec.	95 hrs. 45 min. 15 sec.	176 hrs. 11 min. 17 sec.	303 hrs. 46 min. 22 sec.

	Other	
	HD: 1280 x 720	640 x 480
	25 fps* ¹	30 fps* ¹
Movie Size (KB/sec.)	1781	607
8GB	1 hr. 11 min. 43 sec.	3 hrs. 24 min. 26 sec.
32GB	4 hrs. 49 min. 46 sec.	13 hrs. 45 min. 52 sec.

*¹ Playback frame rate is 25 fps.

*² Actual frame rate is 29.97 fps.

Playback Specifications

Playback Modes File

Stills & Videos:

Auto Rotate (Automatic vertical/horizontal detection), Image Advance (Transition Effects, Scroll Display), Rotate, Favorites, My Category, Smart Shuffle, Group Playback, Slideshow (Repeat, Interval, Effect)

Still Images:

Single, Index (6-100 thumbnails), Magnification (2-10x), Information Display, Red-eye Correction, i-Contrast, Resize, My Colors, Histogram, Overexposure Warning

Videos:

Normal Playback*¹, Skip Backward*², Previous Frame*³, Next Frame*³, Skip Forward*²

- Displays playback position and shooting time

*¹ Audio settings available in 5 levels *² Approximately 4 seconds *³ Slow motion available

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 (1 sec. increments) can be deleted.

Interfaces

Video Out

NTSC/PAL (dedicated connector (female) with unified type of digital, audio and video)

Audio Out

Monaural (dedicated connector (female) with unified type of digital, audio and video)

Other

SD memory card slot; direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers

Power Source

Battery Pack NB-11LH, AC Adapter Kit ACK-DC90

Shooting Capacity

Approx. 190 shots

Approx. 260 shots in ECO Mode

Playback Time

Approx. 5 hours

Physical Specifications**Operating Temperature**

32-104°F/0-40°C

Operating Humidity

10-90%

Dimensions (W x H x D)

4.11 x 2.72 x 3.15 in. / 104.4 x 69.1 x 80.1 mm

Weight

11.0 oz. / 313g (CIPA standard)

10.5 oz. / 297g (camera only)

† Prices and specifications subject to change without notice. Actual prices are determined by individual dealers and may vary.