



PowerShot SX420 IS

Specifications

Type of Camera	
Type	Compact digital still camera with built-in flash, 42x Optical, 4x Digital and 168x Combined Zoom with Optical Image Stabilizer
Image Capture Device	
Type	20.0 Megapixel, 1/2.3-inch CCD
Total Pixels	Approx. 20.5 Megapixels
Effective Pixels	Approx. 20.0 Megapixels* * Image processing may cause a decrease in the number of pixels.
Lens	
Focal Length	4.3 (W) – 180.6 (T) mm (35mm film equivalent: 24–1008mm)
Optical Zoom	42x
Digital Zoom	4x
Focusing Range	Normal: 2.0 in. (5.0cm) – infinity (W), 4.6 ft. (1.4m) – infinity (T) Auto/Manual: 0.0 in. (0.0cm) – infinity (W), 4.6 ft. (1.4m) – infinity (T) Macro: 0.0 in. – 1.6 ft. (0–50cm) (W) Infinity: 9.8 ft. (3.0m) – infinity (W), 9.8 ft. (3.0m) – infinity (T)
Autofocus System	TTL Autofocus
Viewfinder & Monitor	
Viewfinder	Not available
LCD Monitor	3.0-inch TFT Color LCD with wide viewing angle (4:3)
LCD Pixels	Approx. 230,000 dots
LCD Coverage	Approx. 100%
Aperture & Shutter	
Maximum Aperture	f/3.5 (W), f/6.6 (T)
Shutter Speed	1–1/4000 sec. 15–1 sec. (in Long Shutter Mode)
Exposure Control	
ISO Sensitivity	Auto, ISO 100–1600
Light Metering Method	Evaluative, Center Weighted Average, Spot
Exposure Compensation	Still Images: ±2 stops in 1/3-stop increments
White Balance	
White Balance Control	Auto, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom

Flash	
Built-in Flash	Auto, On, Slow Synchro, Off
Flash Range	1.6–16.0 ft. (W), 4.6–8.9 ft. (T) 50.0cm – 5.0m (W), 1.4–2.7m (T)
Shooting Specifications	
Shooting Modes	P, Live View Control, Auto, Portrait, Face Self-Timer, Low Light, Fisheye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect, Fireworks, Long Shutter
My Colors	My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Vivid Blue, Vivid Green, Vivid Red, Custom Color
Self Timer	Off / 2 sec. / 10 sec. / Custom
Wireless Control	Built-in Wi-Fi [®] and NFC ^{^^}
Continuous Shooting	Normal Continuous Shooting in Auto/P modes: Approx. 0.5 shots/sec. Normal Continuous Shooting AF in Low Light mode: Approx. 2.2 shots/sec. <ul style="list-style-type: none"> • Under lighting conditions where flash does not fire automatically. • Excluding RAW and RAW+JPEG. • Until memory card becomes full.
Image Storage	
Storage Media	SD/SDHC/SDXC Memory Cards
File Format	Design rule for Camera File system (DCF) compliant; DPOF (Version 1.1) compatible
Image Compression	Superfine / Fine
JPEG Compression Mode	Still Image: Exif. 2.3 (JPEG) Video: MP4 (Image: MPEG-4 AVC/H.264; Audio: MPEG-4 AAC-LC (Monaural))
Number of Recording Pixels	Still Images: 1) 16:9 – Large: 5152 x 2896; Medium 1: 3648 x 2048; Medium 2: 1920 x 1080; Small: 640 x 360 2) 3:2 – Large: 5152 x 3432; Medium 1: 3648 x 2432; Medium 2: 2048 x 1368; Small: 640 x 424 3) 4:3 – Large: 5152 x 3864; Medium 1: 3648 x 2736; Medium 2: 2048 x 1536; Medium: 2560 x 1920; Small: 640 x 480 4) 1:1 – Large: 3856 x 3856; Medium 1: 2736 x 2736; Medium 2: 1536 x 1536; Small: 480 x 480 Videos: HD 1280 x 720: 25.00 fps 640 x 480: 29.97 fps

Approx. Number of Shots Recordable to 16 GB Memory Card

		16:9	3:2	4:3	1:1
Large	SF	2381	2015	1792	2393
	F	4015	3397	3017	4015
Medium 1 (M1)	SF	4717	3982	3546	4717
	F	7965	6656	5925	7837
Medium 2 (M2)	SF	13497	10563	9344	12459
	F	24296	18689	16755	22087
Medium	F	–	–	10798	–
Small	SF	69418	60741	53992	69418
	F	97186	80988	80988	97186

Note: SF=Superfine, F=Fine

Total Movie Time Recordable to Memory Card

- The values in the table are based on Canon measurement conditions and may change depending on the subject, memory card and camera settings.
- After Low-level formatting.

Shooting Mode	Pixels	Frame Rate/Video System	Recording Time per 16 GB Memory Card (Approx.)	Single Clip Recording Time (Approx.) ^{*1}	Movie Size (KB/sec.)	Video Recording Bit Rate
When Movie button is pressed in Auto	HD (1280 x 720)	25.00 fps	2 hr. 35 min. 37 sec.	29 min. 59 sec.	1624	Approx. 15 Mbps
	VGA (640 x 480)	29.97 fps	8 hr. 25 min. 48 sec.	1 hr.	450	Approx. 3 Mbps

*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.

Playback Specifications	
Playback Modes File	Protect, Favorites, Erase, Slideshow, Rotate, i-Contrast, Resize, Cropping, Red-Eye Correction, My Colors, Photobook Set-up, Scroll Display, Auto Rotate, Resume, Transition Effect
Interfaces	
Video Out	NTSC/PAL
Audio Out	Monaural
Other	Hi-Speed USB (Mini-B); direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers
Power Supply	
Power Source	Battery Pack NB-11LH
Shooting Capacity	Approx. 195 shots Approx. 260 shots in ECO Mode Video Recording Time: Approx. 50 min.
Playback Time	Approx. 5 hr.
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 3.35 in. / 104.4 x 69.1 x 85.1mm
Weight	11.5 oz. / 325g (CIPA standard) 10.9 oz. / 308g (Body only)

^ Compatible with iOS versions 7.1/8.4/9.0, Android smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.

^^ Compatible with Android smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1.