# PowerShot SX540 HS

## Specifications

| Type of Camera | |
|---|---|
| Type | Compact digital still camera with built-in flash, 50x Optical, 4x Digital and 200x 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*<br>* Image processing may cause a decrease in the number of pixels. |

| Lens | |
|---|---|
| Focal Length | 4.3 (W) – 215.0 (T) mm (35mm film equivalent: 24–1200mm) |
| Optical Zoom | 50x |
| Digital Zoom | 4x |
| Focusing Range | **Normal:** 2.0 in. (5.0cm) – infinity (W), 4.3 ft. (1.3m) – infinity (T)<br>**Auto/Manual:** 0.0 in. (0.0cm) – infinity (W), 4.3 ft. (1.3m) – infinity (T)<br>**Macro:** 0.0 in. – 1.6 ft. (0.0–50cm) (W) |
| Autofocus System | TTL Autofocus, Manual Focus |

| Viewfinder & Monitor | |
|---|---|
| Viewfinder | Not available |
| LCD Monitor | 3.0-inch TFT Color LCD with wide viewing angle (4:3) |
| LCD Pixels | Approx. 461,000 dots |
| LCD Coverage | Approx. 100% |

| Aperture & Shutter | |
|---|---|
| Maximum Aperture | f/3.4 (W), f/6.5 (T) |
| Shutter Speed | 1–1/2000 sec.<br>15–1/2000 sec. (in Tv and M modes) |

| Exposure Control | |
|---|---|
| ISO Sensitivity | Auto, ISO 80–3200 |
| Light Metering Method | Evaluative, Center Weighted Average, Spot |
| Exposure Control Method | Manual Exposure, Program Shift, Safety Shift, AE Lock |
| Exposure Compensation | **Still Images:** ±2 stops in 1/3-stop increments<br>**Videos:** ±2 stops in 1/3-stop increments (not available during shooting) |

| White Balance | |
|---|---|
| White Balance Control | Auto, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom |

## Flash

| | |
|---|---|
| **Built-in Flash** | Auto, On, Slow Synchro, Off |
| **Flash Range** | 1.6–18.0 ft. (W), 4.3–9.8 ft. (T)<br>50.0cm – 5.5m (W), 1.3–3.0m (T) |
| **Flash Exposure Compensation** | ±2 stops in 1/3-stop 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, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Soft Focus, Monochrome, Super Vivid, Poster Effect, Fireworks, Standard (Movie), Short Clip (Movie), iFrame Movie<br><br>[*1] Auto, Retro, Monochrome, Special and Natural effects Super Vivid, Poster Effect<br>[*2] Smile, Wink Self-Timer, Face Self-Timer<br><br>• Shooting movies is possible with the movie button |
| **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. 5.9 shots/sec.<br>Continuous Shooting AF in P mode: Approx. 4.4 shots/sec.<br>Continuous Shooting LV in P mode: Approx. 4.5 shots/sec.<br><br>• Under lighting conditions where flash does not fire automatically.<br>• Excluding RAW and RAW+JPEG.<br>• Until memory card becomes full. |

## Image Storage

| | |
|---|---|
| **Storage Media** | SD/SDHC/SDXC and UHS-I 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)<br>**Video:** MP4 (Image: MPEG-4 AVC/H.264; Audio: MPEG-4 AAC-LC (Stereo)) |
| **Number of Recording Pixels** | **Still Images:**<br>1) 16:9 – Large: 5184 x 2912; Medium 1: 3648 x 2048; Medium 2: 1920 x 1080; Small: 640 x 360<br>2) 3:2 – Large: 5184 x 3456; Medium 1: 3648 x 2432; Medium 2: 2048 x 1368; Small: 640 x 424<br>3) 4:3 – Large: 5184 x 3888; Medium 1: 3648 x 2736; Medium 2: 2048 x 1536; Medium: 2592 x 1944; Small: 640 x 480<br>4) 1:1 – Large: 3888 x 3888; Medium 1: 2736 x 2736; Medium 2: 1536 x 1536; Small: 480 x 480<br><br>**Videos:**<br>Full HD 1920 x 1280: 59.94 fps / 29.97 fps<br>HD 1280 x 720: 29.97 fps<br>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 | 2358 | 1991 | 1766 | 2347 |
| | F | 3950 | 3350 | 2980 | 3950 |
| 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 (S) | 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 |
|---|---|---|---|---|---|---|
| Standard Movie | Full HD (1920 x 1080) | 59.94 fps | 59 min. 30 sec. | 29 min. 59 sec. | 4288 | Approx. 35 Mbps |
| | | 29.97 fps | 1 hr. 26 min. 5 sec. | 29 min. 59 sec. | 2945 | Approx. 24 Mbps |
| | HD (1280 x 720) | 29.97 fps | 4 hr. 5 min. 15 sec. | 29 min. 59 sec. | 992 | Approx. 8 Mbps |
| | VGA (640 x 480) | 29.97 fps | 10 hr. 22 min. 35 sec. | 1 hr. | 382 | 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** | List/Play Digest Movies, Protect, Favorites, Erase, Slideshow, Rotate, Album Playback, Play Creative Shot Movies, Short Clip Mix, i-Contrast, Resize, Cropping, Red-Eye Correction, My Colors, Face ID Info, Photobook Set-up, Image Transition Effect, Index Effect, Scroll Display, Group Images, Auto Rotate, Resume, Image jump with Control Ring/Front Dial |
| **Interfaces** | |
| **Video Out** | NTSC/PAL |
| **Audio Out** | Stereo |
| **Other** | Hi-Speed USB (Mini-B), HDMI (Type C); direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers |
| **Power Supply** | |
| **Power Source** | Battery Pack NB-6LH |
| **Shooting Capacity** | Approx. 205 shots<br>Approx. 290 shots in ECO Mode<br><br>Video Recording Time: Approx. 45 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) | 4.72 x 3.22 x 3.62 in. / 120.0 x 81.7 x 91.9mm |
| Weight | 15.6 oz. / 442g (CIPA standard)<br>14.7 oz. / 418g (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.