

An impressive 20x zoom and HD video recording in a compact camera body, the perfect travel companion

Powerful

The PowerShot SX1 IS delivers superior image quality and is the first compact camera to inherit a 10.0 megapixels CMOS sensor and RAW recording delivering fast shooting, superior image quality and full High Definition movie recording. An impressive wide 20x optical zoom lens and High Definition movie recording (1920x1080) in an ergonomic design make the PowerShot SX1 IS an ideal travel companion and great for capturing fast moving scenes at sports events.



Key Features

Precision image quality

- 10.0 megapixels CMOS sensor
- 28mm wide angle lens
- 20x Optical Zoom
- RAW recording
- DiGiC 4
- High Definition (HD) Movie Recording (1920x1080)

Canon Blur Control solution using:

- Optical Image Stabilizer
- Face Detection Technology
- Motion Detection Technology

Perfect portraits of family & friends

- Face Detection and Selector
- Face Detection Self-timer
- Red-eye Correction

Digital photography made easy

- 2.8" LCD screen (230,000 dots)
- Zero cm super macro shooting
- High Speed Shooting
- Servo AF for continuous focusing of moving subjects
- i-Contrast controlling the exposure and tone optimally for each scene
- Full creative control

Digital movies made easy

- Full HD movie recording (1920x1080)
- HDMI terminal

10.0 MEGA
PIXELS
CMOS

20x
WIDE
ZOOM

28mm
WIDE

HD

RAW

OPTICAL
IMAGE
STABILIZER

Face Detection
AF/AE/FE/WB

2.8" LCD
Wide Vari-angle

0 cm
0 in.
macro

Quality images

10.0 megapixels CMOS sensor a first for a compact digital camera delivering spectacular prints up to A2 size and allowing full HD movie recording

Super Zoom

Genuine Canon 20x optical zoom lens (28mm-560mm) can clearly show distant subjects

Wide-angle lens

28mm wide-angle lens allows you to shoot beautiful landscapes or capture great group shots

High Definition Movies

Shoot Full High Definition (1920x1080) movies at 30fps

RAW Recording

Raw image recording giving you the highest image quality with complete flexibility during processing

Image stability

Optical Image Stabilizer for crisp shots even at high zoom or in low-light conditions without flash

Perfect people shots

Face Detection Technology for perfect focus, exposure and lighting when photographing people

Sharper Previews

2.8" vari-angle LCD screen for high or low angle shooting

Macro Shooting

Zero cm macro shooting allowing you to get as close to the subject as possible for spectacular close ups

DiGiC
4

DiGiC 4 Image Processor

Canon's DiGiC 4 delivers even higher picture quality and processing speed and comes with a new movie codec for longer recording. Advanced face detection and motion detection including Face Self Timer, i-Contrast and Servo AF as well as Red-eye Correction and high ISO 1600, DiGiC 4 makes it easy to get great photos and movies under any conditions.

PowerShot SX1 IS Technical Specifications

Sensor / Image Processor	
Effective Number of Pixels	Approx. 10.0 MP CMOS
Size / Filter Array	1/2.3 inch / Primary colour filter (Bayer)
Processor	DiGiC 4
Aspect Ratio	4:3 or 16:9
Lens	
Focal Length (optical)	5.0 (W) - 100.0 (T) mm
35mm film equivalent	28 (W) - 560 (T) mm
f/number	f/2.8 - 8.0 (W), f/5.7 - 8.0 (T)
Shutter Speed	15 - 1/3200 sec.
Zoom	Optical approx 20x; Digital approx 4x
Image Stabilizer	Optical (Lens Shift Type)
Shooting Functions	
AF System	TTL Autofocus (Single / Continuous), Manual
Focusing Frame	Face Detect with movie support ^{1,2} , Center ³ , Flexizone
Face Detection	Auto Focus, Auto Exposure, White Balance, Flash Exposure, Auto Red-Eye correction, Auto Focus Point Zoom, Face Self Timer ⁴
Other Shooting Functions	Servo AF, i-Correction, Auto Focus Assist Beam, Auto Focus Lock
Range	Normal: 50cm - infinity, Macro: 10cm - 50cm, Super Macro: 0cm - 10cm
Continuous Shooting (Large/Fine)	Approx 4 shots/sec; AF Approx 1.1 shots/sec; LV Approx 1.2 shots/sec
Self-timer	Approx. 10 sec or 2 sec delay, custom, FaceSelf-Timer ⁴ , Wireless Controller
Control/Balance	
Light Metering Method	Evaluative ⁵ , Center-weighted average, Spot ⁶
Exposure Control Method	Program AE, AE Lock available, Manual, iContrast available, Program Shift, Safety Shift
Exposure Compensation	± 2 stops in 1/3-stop increments
Sensitivity (Equivalent Film Speed)	Auto ⁷ , High ISO Auto ⁸ , ISO 80/100/200/400/800/1600
White Balance Modes	Auto, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Flash, Custom 1
LCD Monitor	
Viewfinder	Electronic viewfinder with dioptic adjustment
LCD Monitor	2.8 inch vari-angle LCD monitor with high resolution (approx 230,000 dots)
Flash	
Flash Modes	Auto, on, off, Red Eye Correction, Red Eye Reduction, Slow Synchro, Second Curtain Synchro, FE Lock, Safety FE
Flash Range	Normal: 50cm - 4.8 m (W), 1m - 2.6 m (T)
Flash Exposure Compensation	±2 stops in 1/3-stop increments
External Flash Support	Canon EX series Speedlites via Hot Shoe
Selectable Shooting Modes	
Shooting Modes	Auto, P (Program), Tv (Shutter Priority), Av (Aperture Priority), M (Manual), C (Custom), Portrait, Landscape, Night Snapshot, Sports, Special Scene (Indoor, Night Scene, Sunset, Long Shutter, Foliage, Snow, Beach, Fireworks, Aquarium, ISO 3200, Color Accent, Color Swap), Movie Standard, Movie HD
My Colours	Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Vivid Blue, Vivid Green, Vivid Red, Custom
Image Recording Format	
Still image	JPEG Compression (EXIF 2.2 Compliant)
Colour Space and Compression	sRGB; Superfine, Fine, Normal
Movies	MOV (Image Data: H.264; Audio Data: Linear PCM monaural)
Recording Pixels and recording capacity on a 2GB card	
Still Images and Capacity (at Super Fine Image Setting)	Large: 3648 x 2736 (448), Medium 1: 2816 x 2112 (714), Medium 2: 2272 x 1704 (960), Medium 3/Date Stamp: 1600 x 1200 (1862), Small: 640 x 480 (6830), Widescreen: 3648 x 2048 (538), Widescreen (S): 1920 x 1080 (1707), RAW
Movie Frame Rate	1920x1080: 30fps (6min 7sec), 640x480: 30fps (22min 45 sec), 320x240: 30fps (1hr 4min 1 sec)
Other Operations	
Playback Operations	Red-eye Correction, Slideshow, My Category, Index, Resize, Resizing of widescreen images, Magnified, Image Inspection Tool, Advancing and Reversing through magnified images, Jump, Auto Rotate, Rotate, Histogram, Overexposure Warning, Sound Memos, Auto Play
File Operations	DPOF - Print Order/Image transfer; Movie - unnecessary scenes can be erased; Sound Annotations - max. record/play time is approx. 60 sec; Max Recording Length per Clip - until file size reaches 4GB ⁹
Direct Printing, PictBridge	Yes ¹⁰
Interface	
Supported Operating Systems	PC: Windows XP SP2, Vista; Mac: OS X v10.4- v10.5
Computer I/F	USB 2.0 Hi-Speed (mini-B compatible)
HDMI Output	HDMI Type C
Video Output / Audio Output	PAL or NTSC selectable / Stereo
Memory Storage	SD Memory Card, SDHC Memory Card, MultiMediaCard, MMCplus card, HC MMCplus card
General Features	
Battery	Size AA Alkaline battery (x4) or Size AA rechargeable NiMH battery (x4) NB4-300/NB4-200
Optional Charger/AC Adaptor	CBK4-300 / Compact Power Adaptor CA-PS700
Dimensions (W x D x H)	124 x 88.3 x 86.9 mm (ex. protruding parts)
Weight	Approx. 560g

Included as Standard

- 4 x AA Alkaline Batteries
- USB Interface Cable IFC-400PCU, Stereo Video Cable STV-250N
- Neck Strap NS-DC7
- Lens Cap
- Digital Camera Solution Disc [ZoomBrowser EX (PC), ImageBrowser (Mac), PhotoStitch, CameraWindows]

Optional Accessories

- CBK4-300 / Compact Power Adaptor CA-PS700
- Lens Hood LH-DC50
- HDMI Cable HTC-100
- Wireless Controller WC-DC300
- Leather Case PSCL2
- High-Power Flash HF-DC1
- Speedlites 220EX, 430EX II, 580EX, 580EX II

Disclaimers

- AF frame can be moved and fixed to specified face
- If no face is detected, AiAF (9 point) is used
- AF frame size is selectable
- When number of detected faces increases, the shutter is released at 2 sec delay. However if no face is detected for 30 seconds or more, the shooting operation will start automatically.
- Control to incorporate facial brightness in Face Detect AF
- Fixed to center / Linked to AF frame
- Camera automatically sets the optimal speed according to shooting mode and subject brightness
- Camera automatically sets the optimal speed according to shooting mode, subject brightness and subject movement and camera shake. The ISO speed is relatively higher than Auto.
- Even if the file size has not reached 4GB, the recording stops when the recording time reaches 1 hour. For lesser capacity memory cards, the recording stops when the card becomes full or reaches 1 hour.
- Compatible printer required for direct printing