

DIGITAL CAMERA

IMAGE SENSOR

Type
Effective Pixels
Colour Filter Type

IMAGE PROCESSOR

Type

LENS

Focal Length

Zoom

Maximum f/number
Construction

Image Stabilisation
Ultrasonic Motor (USM)

FOCUSING

Type
AF System/ Points

AF Modes
AF Point Selection

AF Lock
AF Assist Beam
Manual Focus
Focus Bracketing
Closest Focusing Distance

EXPOSURE CONTROL

Metering modes

AE Lock
Exposure Compensation

AEB
ISO sensitivity (3)

SHUTTER

Speed

WHITE BALANCE

Type
Settings

VIEWFINDER

Viewfinder

Dioptre Correction

LCD MONITOR

Monitor

Coverage
Brightness

FLASH

Modes
Slow Sync Speed
Red-Eye Reduction
Flash Exposure Compensation

Flash Exposure Lock
Manual Power Adjustment

Second Curtain Synchronisation
Built-in Flash Range
External Flash

SHOOTING

Modes

Photo Effects

Drive modes

Continuous Shooting

RECORDING PIXELS / COMPRESSION

Image Size

Compression
Movies

Movie Length

FILE TYPES

Still Image Type

Movies
Sound Files

DIRECT PRINT

Canon Printers

PictBridge

OTHER FEATURES

Red-Eye Correction
My Camera / My Menu

My Category
Sound Memo
Intelligent Orientation Sensor
Histogram
Playback zoom
Self Timer

Menu Languages

INTERFACE

Computer
Other

MEMORY CARD

Type

SUPPORTED OPERATING SYSTEM

PC & Macintosh

SOFTWARE

Browsing & Printing
Other

POWER SOURCE

Batteries

Battery life

A/C Power Supply

ACCESSORIES

Case
Flash

Remote Controller/ Switch
Power Supply & Battery Chargers

PHYSICAL SPECIFICATIONS

Operating Environment
Dimensions (WxHxD)
Weight (body only)

**All data is based on Canon standard testing methods (according to ISO 17025)
Subject to change without notice.**

- (1) Depending on the image size selected.**
- (2) Digital zoom available for still image and standard movie mode only. Not available during movie recording.**
- (3) Standard Output Sensitivity / Recommended Exposure Index (REI) (20th April 2006) which specifies the method for assigning and recommending ISO speeds for digital still cameras.**
- (4) Not all functions of the flash are supported.**
- (5) Recording pixels fixed at 1600 x 1200.**
- (6) Under conditions where the flash does not fire.**
- (7) Depending on memory card speed / capacity / compression settings.**
- (8) Using the batteries and memory card format supplied with the camera.**
- (9) 0 – 35 °C when NB-3AH is used**
- (10) Some settings limit availability**
- (11) SDHC Speed Class 6 is required for maximum record time.**

PowerShot SX1 IS

1/2.3" Canon CMOS
Approx. 10.0M
Primary Colour

DIGIC 4 with iSAPS technology

5.0 - 100.0 mm (35mm equivalent: 28-560mm (4:3 aspect ratio) / 29-580mm (16:9 aspect ratio))

Optical 20x. Digital approx. 4x (with Digital Tele-Converter approx. 1.4x or 2.3x and Safety Zoom (1)) (2). Combined approx. 80x

f/2.8-f/5.7

13 elements in 11 groups (1 UD and 1 single-sided aspherical element)

Yes (shift-type)

Yes, zoom

TTL

Face Detection, 1-point AF (Any position is available, fixed to centre or Face Select and Track)

Single, Continuous, Servo AF(10)

Manual selection using FlexiZone AF/AE, Size (Normal, Small)

On/Off Selectable

Yes

Yes

Yes

0cm (W) from front of lens in Super Macro

Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (centre or linked to Face Detection AF or FlexiZone AF frame)

Yes

+/- 2 EV in 1/3 stop increments.

i-Contrast for automatic dynamic range correction

1/3 - 2 EV in 1/3 stop increments

AUTO, High ISO Auto (incorporating Motion Detection Technology), 80, 100, 200, 400, 800, 1600

1/8 - 1/3200 sec (factory default)

15 - 1/3200 sec (total range - varies by shooting mode)

TTL

Auto (including Face Detection WB), Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Flash, Custom

EVF (0.40" type), aspect ratio 16:9, approx. 148,000 dots

Yes

Vari-angle 2.8" TFT, aspect ratio 16:9, approx.
230,000 dots
100%
Adjustable to one of two levels

Auto, Manual Flash On / Off

Yes

Yes

+/- 2 EV in 1/3 stop increments. Face Detection FE.
Safety FE.

Yes

3 levels with internal flash (up to 19 levels with
external EX Speedlites 220EX and 430EX II. 22
levels with 580EX II (4))

Yes

50cm-4.8m (W) / 1.0m-2.6m (T)

E-TTL with EX series Speedlites (4), Canon High
Power Flash HF-DC1

Auto, Program AE, Shutter priority AE, Aperture
priority AE, Manual, Custom, Portrait, Landscape,
Night Snapshot, Sports, Stitch Assist, Movie,
Special Scene (Indoor, Night Scene, Sunset,
Foliage, Snow, Beach, Fireworks, Long Shutter,
Aquarium, ISO 3200(5), Color Accent, Color Swap),
Super Macro

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)

Single, Continuous, Self-Timer, FaceSelf-Timer

Approx. 4.0 shots/sec.(6), AF: Approx. 1.1
shots/sec.(6), LV: Approx. 1.2 shots/sec.(6) (until
memory card becomes full) (7)

(L) 3648 x 2736, (M1) 2816 x 2112, (M2) 2272 x
1704, (M3) 1600 x 1200, (S) 640 x 480, (LW) 3640
x 2160, (SW) 1920 x 1080. Resize in playback (M3,
S, 320 x 240. LW to SW)

Superfine, Fine, Normal

(HD) 1920 x 1080, 30fps (1080p), (L)640 x 480,
30fps, (M)320 x 240, 30fps

(HD) Up to 4GB or 29 min. 59 sec (11)

(L and M) Up to 4GB or 1 hour (7)

JPEG compression, (Exif 2.2 [Exif Print] compliant) /
Design rule for Camera File system, Digital Print
Order Format [DPOF] Version 1.1 compliant

MOV [H.264 + Linear PCM (stereo)]

WAVE (stereo)

Canon SELPHY Compact Photo Printers and Canon Inkjet Printers supporting PictBridge (ID Photo Print, Fixed Size Print and Movie Print supported on SELPHY CP & ES printers only)

Yes

Yes, during shooting and playback
Start-up image and camera sounds customisation.
Menu customisation.
Image tagging feature
Up to 60 sec per image

Yes

Yes, live histogram
Approx. 2x – 10x
Approx. 2 or 10 sec., Custom or FaceSelf-Timer

English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Simplified Chinese, Chinese (traditional), Japanese, Russian, Portuguese, Korean, Greek, Polish, Czech, Hungarian, Turkish, Thai, Arabic, Ukrainian, Romanian, Farsi

Hi-Speed USB (Mini-B, MTP, PTP)
HDMI Mini Connector. A/V output (PAL/NTSC)

SD, SDHC, MMC, MMCplus, HC MMCplus.

Windows XP SP2 / Vista (including SP1)
Mac OS X v10.4 - 10.5

ZoomBrowser EX / ImageBrowser
PhotoStitch

4x Size-AA Alkaline or NiMH Batteries(NB4-300)
(Alkalines supplied)
Approx. 160 shots (with supplied batteries)(8)
Approx. 420 shots (with optional Canon NB4-300 batteries)(8)
Approx. 720 min. playback (with supplied batteries)(8)
Approx. 840 min. playback (with Canon NB4-300 batteries)(8)
Optional, Power adapter CA-PS700

Soft Case DCC-800
Canon Speedlites (220EX, 430EX II, 580EX, 580EX II (4)), Speedlite Transmitter ST-E2, Off-Camera Shoe Cord OC-E3
High Power Flash HF-DC1
Wireless Controller WC-DC300
Compact AC power adapter CA-PS700, Battery Charger Kit CBK4-300, Ni-MH Batteries NB4-300

0 – 40 °C (9), 10 – 90% humidity
127.5 x 88.3 x 87.7 mm
Approx. 585g

to CIPA Standards) except where indicated.

es only. Optical zoom may not be available

According to ISO 12232:2006
reporting ISO speed ratings for

etting.

camera, except where indicated.