



IMAGE SENSOR		
Type		1/2.3" CCD
Effective Pixels		Approx.12.1M
Colour Filter Type		Primary Colour
IMAGE PROCESSOR		
Type		DIGIC 4 with ISAPS technology
LENS		
Focal Length		5.0 - 100.0 mm (35mm equivalent: 28-560mm)
Zoom		Optical 20x. Digital approx. 4x (with Digital Tele-Converter approx. 1.5x or 2.0x and Safety Zoom [1]) [2]. Combined approx. 80x
Maximum f/number		f/2.8-f/5.7
Construction		13 elements in 11 groups (1 UD and 1 single-sided UA element)
Image Stabilisation		Yes (shift-type)
Ultrasonic Motor (USM)		Yes, zoom
FOCUSING		
Type		TTL
AF System/ Points		Face Detection, 1-point AF (Any position is available, fixed to centre or Face Select and Track)
AF Modes		Single, Continuous, Servo AF/AE[10]
AF Point Selection		Manual selection using FlexiZone AF/AE, Size (Normal, Small)
AF Lock		On/Off Selectable
AF Assist Beam		Yes
Manual Focus		Yes
Focus Bracketing		Yes
Closest Focusing Distance		0cm (W) from front of lens in Super Macro
EXPOSURE CONTROL		
Metering modes		Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (centre or linked to Face Detection AF or FlexiZone AF frame)
AE Lock		Yes
Exposure Compensation		+/- 2 EV in 1/3 stop increments Enhanced i-Contrast for automatic dynamic range correction
AEB		1/3 - 2 EV in 1/3 stop increments
ISO sensitivity [3]		AUTO, 80, 100, 200, 400, 800, 1600
SHUTTER		
Speed		1 - 1/3200 sec (factory default) 15 - 1/3200 sec (total range - varies by shooting mode)
WHITE BALANCE		
Type		TTL
Settings		Auto (including Face Detection WB), Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Flash, Custom
VIEWFINDER		
Viewfinder		EVF (0.44" type), approx. 235,000 dots
Dioptre Correction		Yes
LCD MONITOR		
Monitor		Vari-angle 2.5" PureColor VA (TFT), approx. 230,000 dots
Coverage		100%
Brightness		Adjustable to one of five levels. Quick-bright LCD

FLASH		
Modes	Auto, Manual Flash On / Off	
Slow Sync Speed	Yes. Fastest speed 1/500 sec	
Red-Eye Reduction	Yes	
Flash Exposure Compensation	+/- 2 EV in 1/3 stop increments. Face Detection FE. Safety FE.	
Flash Exposure Lock	Yes	
Manual Power Adjustment	3 levels with internal flash (up to 19 levels with external EX Speedlites 270EX and 430EX II. 22 levels with 580EX II [4])	
Second Curtain Synchronisation	Yes	
Built-in Flash Range	50cm-6.8m (W) / 1.0m-3.7m (T)	
External Flash	E-TTL with EX series Speedlites [4], Canon High Power Flash HF-DC1	
SHOOTING		
Modes	Auto*, Program AE, Shutter priority AE, Aperture priority AE, Manual, Custom, Portrait, Landscape, Night Snapshot, Sports, SCN (Indoor, Sunset, Night Scene, Fireworks, Beach, Aquarium, Foliage, Snow, ISO 3200[5], Color Accent, Color Swap), Stitch Assist, Movie, Super Macro *with Scene Detection Technology and Motion Detection Technology	
Photo Effects	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)	
Drive modes	Single, Continuous, Self-Timer, FaceSelf-Timer	
Continuous Shooting	Approx. 1.0 shots/sec.[6], AF: Approx. 0.7 shots/sec.[6], LV: Approx. 0.7 shots/sec.[6] (until memory card becomes full) [7]	
RECORDING PIXELS / COMPRESSION		
Image Size	(L) 4000 x 3000, (M1) 3264 x 2448, (M2) 2592 x 1944, (M3) 1600 x 1200, (S) 640 x 480, (W) 3840 x 2160. Resize in playback (M3, S, 320 x 240)	
Compression	Fine, Normal	
Movies	(HD) 1280 x 720, 30fps, (L)640 x 480, 30fps, (M)320 x 240, 30fps	
Movie Length	Up to 4GB or 29 min. 59 sec (HD) [11] Up to 4GB or 1 hour (L, M) [7]	
FILE TYPES		
Still Image Type	JPEG compression, (Exif 2.2 [Exif Print] compliant) / Design rule for Camera File system, Digital Print Order Format [DPOF] Version 1.1 compliant	
Movies	MOV [H.264 + Linear PCM (monaural / stereo)]	
Sound Files		
DIRECT PRINT		

Canon Printers	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)
PictBridge	Yes
OTHER FEATURES	
Red-Eye Correction	Yes, during shooting and playback
My Camera / My Menu	Start-up image and camera sounds customisation. Menu customisation
My Category	Image tagging feature
Intelligent Orientation Sensor	Yes
Histogram	Yes, live histogram
Playback zoom	Approx. 2x – 10x
Self Timer	Approx. 2 or 10 sec., Custom or FaceSelf-Timer
Menu Languages	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
INTERFACE	
Computer	Hi-Speed USB (Mini-B, MTP, PTP)
Other	HDMI Mini Connector. AV output (PAL/NTSC)
MEMORY CARD	
Type	SD, SDHC, MMC, MMCplus, HC MMCplus.
SUPPORTED OPERATING SYSTEM	
PC & Macintosh	Windows XP SP2-3 / Vista (including SP1-2) Mac OS X v10.4 - 10.5
SOFTWARE	
Browsing & Printing	ZoomBrowser EX / ImageBrowser
Other	PhotoStitch
POWER SOURCE	
Batteries	4x Size-AA Alkaline or NiMH Batteries(NB4-300) (Alkalines supplied)
Battery life	Approx. 340 shots (with supplied batteries)[8] Approx. 600 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]
A/C Power Supply	Optional. Power adapter CA-PS700
ACCESSORIES	
Case	Soft Case DCC-800
Flash	Canon Speedlites (including 270EX, 430EX II, 580EX, 580EX II [4]), Speedlite Transmitter ST-E2, Off-Camera Shoe Cord OC-E3 High Power Flash HF-DC1
Power Supply & Battery Chargers	Compact AC power adapter CA-PS700, Battery Charger Kit CBK4-300, Ni-MH Batteries NB4-300
Other	Canon HDMI Cable HTC-100
PHYSICAL SPECIFICATIONS	
Operating Environment	0 – 40 °C [9], 10 – 90% humidity
Dimensions (WxHxD)	124.0 x 88.3 x 86.9 mm
Weight (body only)	Approx. 560g

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated.
Subject to change without notice.

[1] Depending on the image size selected.

[2] Digital zoom available for still image and standard movie modes only. Optical zoom may not be available during movie recording.

[3] Standard Output Sensitivity / Recommended Exposure Index. According to ISO 12232:2006 (20th April 2006)

which specifies the method for assigning and reporting ISO speed ratings for digital still cameras.

[4] Not all functions of the flash are supported.

[5] Recording pixels fixed at 1600 x 1200 (ISO 3200 Mode) and 1824 x 1368 (Low Light Mode).

[6] Under conditions where the flash does not fire.

[7] Depending on memory card speed / capacity / compression setting.

[8] Using the batteries and memory card format supplied with the camera (where included), except where indicated.

[9] 0 – 35 °C when NB-3AH is used

[10] Some settings limit availability

[11] The following Speed Class memory cards are required for maximum record time: 1280 x 720, 30fps Speed Class 4 or above. 1920 x 1080, 30fps Speed Class 6