



PowerShot A3100 IS
Specification Sheet

IMAGE SENSOR		
	Type	1/2.3 type CCD
	Effective Pixels	Approx 12.1M
	Colour Filter Type	Primary Colour
IMAGE PROCESSOR		
	Type	DIGIC III with iSAPS technology
LENS		
	Focal Length	6.2 – 24.8 mm (35mm equivalent: 35 – 140mm)
	Zoom	Optical 4x. Digital approx. 4x [2] (with Digital Tele-Converter approx. 1.5x or 2.0x and Safety Zoom [1])[2]. Combined approx. 16x
	Maximum f/number	f/2.7 – f/5.6
	Construction	7 elements in 5 groups 2 single sided aspherical lenses
	Image Stabilisation	Yes (lens shift-type), Approx. 3-stop
FOCUSING		
	Type	TTL
	AF System/ Points	AiAF (Face Detection / 9-point), 1-point AF (fixed to centre or Face Select and Track)
	AF Modes	Single, Continuous [10]
	AF Point Selection	Size (Normal, Small)
	AF Lock	On/Off Selectable
	AF Assist Beam	Yes
	Closest Focusing Distance	3cm (W) from front of lens in macro
EXPOSURE CONTROL		
	Metering Modes	Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (centre)
	AE Lock	On/Off Selectable
	Exposure Compensation	+/- 2 EV in 1/3 stop increments. i-Contrast for automatic dynamic range correction
	ISO Sensitivity	AUTO, 80, 100, 200, 400, 800, 1600
SHUTTER		
	Speed	1 - 1/1600 sec (factory default) 15 - 1/1600 sec (total range - varies by shooting mode)
WHITE BALANCE		
	Type	TTL
	Settings	Auto (including Face Detection WB), Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom
LCD MONITOR		
	Monitor	6.7cm (2.7") TFT, approx. 230,000 dots
	Coverage	Approx. 100%
	Brightness	Adjustable to one of five levels. Quick-bright LCD
FLASH		
	Modes	Auto, Manual Flash On / Off, Slow Synchro
	Slow Sync Speed	Yes. Fastest speed 1/1600 sec
	Red-Eye Reduction	Yes
	Flash Exposure Compensation	Face Detection FE, Smart Flash Exposure
	Flash Exposure Lock	Yes
	Built-in Flash Range	30cm - 4.0m (W) / 2.0m (T)
	External Flash	Canon High Power Flash HF-DC1

SHOOTING		
	Modes	Auto*, Easy*, P, Portrait, Landscape, Night Snapshot, Kids & Pets, Indoor, FaceSelf-Timer, Low Light (2.0MP) Super Vivid, Poster Effect, Beach, Foliage, Snow, Fireworks, Long Shutter, Movie *with Scene Detection Technology and Motion Detection Technology
	Photo Effects	My Colors (My Colors Off, Vivid, Neutral, Sepia, Black & White, Custom Color (limited))
	Drive Modes	Single, Continuous
	Continuous Shooting	Approx. 0.8 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) 4000 x 2248. Resize in playback (M3, S, 320 x 240)
	Compression	Fine, Normal
	Movies	(L)640 x 480, 30fps/30fps(LP) (M)320 x 240, 30fps
	Movie Length	Up to 4GB or 1 hour (L and 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	AVI [Motion JPEG compression + WAVE (monaural)]
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 playback
	My Camera / My Menu	Start-up image and camera sounds customisation
	My Category	Image tagging feature
	Intelligent Orientation Sensor	Yes
	Histogram	Yes
	Playback Zoom	Approx. 2x – 10x
	Self Timer	Approx. 2 or 10 sec. or Custom
	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 (MTP, PTP) dedicated connector (Mini-B compatible)
	Other	A/V output, dedicated connector (PAL/NTSC)
MEMORY CARD		
	Type	SD, SDHC, SDXC, MMC, MMCplus, HC MMCplus
SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows 7/ Vista SP1-2/ XP SP2-3 Mac OS X v10.4 - 10.6
SOFTWARE		
	Browsing & Printing	ZoomBrowser EX / ImageBrowser
	Other	PhotoStitch

POWER SOURCE		
	Batteries	Rechargeable Li-ion Battery NB-8L (battery and charger supplied)
	Battery Life	Approx. 240 shots [8] Approx. 360 min. playback
	A/C Power Supply	Optional, AC Adapter Kit ACK-DC60
ACCESSORIES		
	Case	Soft Case DCC-480
	Flash	High Power Flash HF-DC1
	Power Supply & Battery Chargers	AC Adapter Kit ACK-DC60
PHYSICAL SPECIFICATIONS		
	Operating Environment	0 – 40 °C, 10 – 90% humidity
	Dimensions (WxHxD)	97.2 x 58.2 x 28.1 mm
	Weight	Approx. 155g (including battery/batteries and memory card)

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.

[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.

[10] Some settings limit availability.