DIGITAL CAMERA SPECIFICATIONS		Canon PowerShot A640
IMAGE SENSOR		
	Type	1/1.8" CCD
	Effective Pixels	Approx.10.0M
	Colour Filter Type	Primary Colour
IMAGE PROCESSOR		
	Type	DIGIC II with iSAPS technology
LENS		
	Focal Length	7.3 – 29.2 mm (35mm equivalent 35-140 mm)
	Zoom	Optical 4x. Digital approx. 4x (with Digital Tele-converter approx. 1.4x or 2.3x and Safety Zoom (7)) (6). Combined approx. 16x
	Maximum f/number	f/2.8-f/4.1
	Construction	8 elements in 7 groups (2 aspherical elements)
FOCUSING		
	Type	TTL
	AF System/ Points	9-point AiAF, 1-point AF (Any position is available or fixed centre)
	AF Point Selection	Manual selection using FlexiZone AF/AE
	AF Lock	On/Off Selectable
	AF Assist Beam	Yes
	Manual Focus	Yes
	Closest Focusing Distance	1cm
EXPOSURE CONTROL		
	Metering modes	Evaluative, Centre-weighted average, Spot (centre or linked to focusing frame)
	AE Lock	Locked when shutter button is pressed half way
	Exposure Compensation	+/- 2 EV in 1/3 stop increments
	ISO Speed Equivalent	AUTO, High ISO Auto, 80, 100, 200, 400, 800
SHUTTER		
	Speed	15 – 1/2,500 sec (Available shutter speeds vary depending on the shooting mode)
WHITE BALANCE		
	Type	TTL
	Settings	Auto, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Underwater, Custom
VIEWFINDER		
	Viewfinder	Real-image zoom, optical viewfinder
LCD MONITOR		
	Monitor	Vari-angle 2.5" P-Si TFT, approx. 115,000 pixels
	Coverage	100%
FLASH		
	Modes	Auto, Manual Flash On / Off
	Slow Sync Speed	Yes
	Red-eye Reduction	Yes
	Flash Exposure Compensation	+/- 2 EV in 1/3 stop increments
	Flash Exposure Lock	Yes
	Second Curtain Synchronisation	Yes
	Built-in Flash Range	45cm - 4.2m (W) / 3m (T) (at ISO AUTO equivalent)
	External Flash	Canon's High Power Flash HF-DC1
SHOOTING		
	Modes	Auto, Program AE, Shutter priority AE, Aperture priority AE, Manual, Custom, Portrait, Landscape, Night Scene, Stitch Assist, Movie, Special Scene (Night Snapshot, Kids & Pets, Indoor, Foliage, Snow, Beach, Fireworks, Underwater, Color Accent, Color Swap)
	Photo Effects	My Colors (My Colors Off, Vivid, Neutral, Sepia, Black & White, Lighter Skin Tone, Darker Skin Tone, Positive Film, Custom Color)
	Drive modes	Single, Continuous, Self-Timer
	Continuous Shooting	Approx.1.5 fps (1) (until memory card becomes full) (2)
RECORDING PIXELS / COMPRESSION		
	Image Size	(L) 3648 x 2736, (M1) 2816 x 2112, (M2) 2272 x 1704, (M3) 1600 x 1200, (S) 640 x 480, (W) 3648 x 2048 (Postcard Date Imprint) 1600 x 1200
	Compression	Superfine, Fine, Normal
	Movies	(L)640 x 480, 30/15fps (M)320 x 240, 30/15fps (S)160 x 120, 15fps
	Movie Length	Up to 1GB or 1 hour (L and M). Up to 3 min (S) (2)
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)]
	Sound Files	WAVE (monaural)

DIRECT PRINT

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

OTHER FEATURES

	My Camera	Start-up image and camera sounds customisation
	Sound Memo	Up to 60 sec per image
	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

INTERFACE

	Computer	USB 2.0 Hi-Speed (Mini-B, PTP)
	Other	A/V output (PAL/NTSC)

MEMORY CARD

	Type	Secure Digital (SD) Card or Secure Digital High-Capacity (SDHC) Card or MultiMediaCard (MMC), 32MB Memory card supplied

SUPPORTED OPERATING SYSTEM

	PC	Windows 98SE / Me / 2000 SP4 / XP / XP SP1-2
	Macintosh	OS X v10.2 - 10.4

SOFTWARE

	Browsing & Printing	ZoomBrowser EX / ImageBrowser
	Other	PhotoStitch, RemoteCapture
	Drivers	TWAIN (Windows 98 / 2000), WIA (Windows Me)

POWER SOURCE

	Batteries	4x Size-AA Alkaline or NiMH Batteries(NB4-200) (Alkalines supplied)
	Battery life	Approx. 280 shots (4) (with supplied batteries) Approx. 500 shots (with optional Canon NB-2AH batteries) (4) Approx. 20 hours. playback (with supplied batteries) Approx. 20 hours. playback (with Canon NB-2AH batteries)
	A/C Power Supply	Optional, AC Adapter CA-PS500

ACCESSORIES

	Case	Soft Case DCC-300
	Waterproof / Weatherproof Case	Waterproof Case (40m) WP-DC8 , Waterproof Case Weight WW-DC1
	Lenses	Conversion Lens Adapter, LA-DC58F Tele-Converter 1.75x TC-DC58N, Wide converter 0.7x WC-DC58N
	Flash	High Power Flash HF-DC1
	Power Supply & Battery Chargers	Battery Charger Kit CBK4-300, Ni-MH Batteries NB4-300, AC Adapter Kit ACK600

PHYSICAL SPECIFICATIONS

	Operating Environment	0 – 40 °C, 10 – 90% humidity
	Dimensions (WxHxD)	109.4 x 66.0 x 49.1mm (excluding protrusions)
	Weight (body only)	Approx. 245g

All data is based on Canon standard testing methods except where indicated.
Subject to change without notice.

(1) Large/Fine with LCD monitor off
(2) Depending on memory card speed / capacity
(3) Compatible with all memory card capacities, including cards of 2GB and more
(4) Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated
(5) Not all functions of the flash are supported
(6) Digital zoom available for still image and standard movie modes only. Optical zoom may not be available during movie recording
(7) Depending on the image size selected