

DIGITAL CAMERA		Digital IXUS 90 IS
IMAGE SENSOR		
Type		1/2.3" CCD
Effective Pixels		Approx.10.0M
Colour Filter Type		Primary Colour
IMAGE PROCESSOR		
Type		DIGIC III with iSAPS technology
LENS		
Focal Length		6.2 – 18.6 mm (35mm equivalent: 35 – 105mm)
Zoom		Optical 3x. Digital approx. 4x (2) (with Digital Tele-Converter approx. 1.4x or 2.3x and Safety Zoom (1))(2). Combined approx. 12x
Maximum f/number		f/2.8 – f/4.9
Construction		6 elements in 5 groups (1 double sided aspherical UA element, 1 single sided UA element)
Image Stabilisation		Yes (shift-type)
FOCUSING		
Type		TTL
AF System/ Points		AiAF (Face Detection / 9-point), 1-point AF (fixed to centre or Face Select and Track)
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
ISO sensitivity (3)		AUTO, High ISO Auto (incorporating Motion Detection Technology), 80, 100, 200, 400, 800, 1600
SHUTTER		

	Speed	1/60 - 1/1500 sec (factory default) 15 - 1/1500 sec (total range - varies by shooting mode)
WHITE BALANCE		
	Type Settings	TTL Auto (including Face Detection WB), Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom
LCD MONITOR		
	Monitor	3.0" PureColor LCD II (TFT), approx. 230,000 dots
	Coverage	100%
	Brightness	Adjustable to one of fifteen levels
FLASH		
	Modes	Auto, Manual Flash On / Off
	Slow Sync Speed	Yes
	Red-Eye Reduction	Yes
	Flash Exposure Compensation	Face Detection FE
	Flash Exposure Lock	Yes
	Built-in Flash Range	30cm - 3.5m (W) / 2.0m (T)
	External Flash	Canon High Power Flash HF-DC1
SHOOTING		
	Modes	Auto, Manual, Digital Macro, Color Accent, Color Swap, Stitch Assist, Movie, Special Scene (Portrait, Night Snapshot, Kids & Pets, Indoor, Sunset, Foliage, Snow, Beach, Fireworks, Aquarium, Underwater, ISO 3200(4))
	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
	Continuous Shooting	Approx. 1.4 shots/sec.(5) (until memory card becomes full)(6)
RECORDING PIXELS / COMPRESSION		

Image Size	(L) 3648 x 2736, (M1) 2816 x 2112, (M2) 2272 x 1704, (M3, Date Stamp) 1600 x 1200, (S) 640 x 480, (W) 3648 x 2048. Resize in playback (M3, S, 320 x 240)
Compression	Superfine, Fine, Normal
Movies	(L)640 x 480, 30fps/30fps(LP) (M)320 x 240, 30fps (S)160 x 120, 15fps (Time Lapse) 640 x 480, 0.5/1fps (Playback 15fps)
Movie Length	Up to 4GB or 1 hour (L and M) (6) Up to 3 mins (S) (6) Up to 120 mins (Time Lapse) (6)
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 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	Start-up image and camera sounds customisation
My Category	Image tagging feature
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	Hi-Speed USB (MTP, PTP) dedicated connector (Mini-B compatible)
Other	A/V output, dedicated connector (PAL/NTSC)
MEMORY CARD	
Type	SD, SDHC, MMC, MMCplus, HC MMCplus. 32MB memory card supplied
SUPPORTED OPERATING SYSTEM	
PC & Macintosh	Windows 2000 SP4 / XP SP2 / Vista Mac OS X v10.3 - 10.4
SOFTWARE	
Browsing & Printing	ZoomBrowser EX / ImageBrowser
Other	PhotoStitch
Drivers	TWAIN (2000)
POWER SOURCE	
Batteries	Rechargeable Li-ion Battery NB-5L (battery and charger supplied)
Battery life	Approx. 330 shots (7) Approx. 420 min. playback
A/C Power Supply	Optional, AC adapter kit ACK-DC30
ACCESSORIES	
Case	Soft Leather Case DCC-60, Digital IXUS Metal or Leather Strap
Waterproof / Weatherproof Case	Waterproof Case (40m) WP-DC24, Waterproof Case Weight WW-DC1
Flash	High Power Flash HF-DC1
Power Supply & Battery Chargers	AC Adapter Kit ACK-DC30
PHYSICAL SPECIFICATIONS	
Operating Environment	0 – 40 °C, 10 – 90% humidity
Dimensions (WxHxD)	91.6 x 56.8 x 20.9mm (excluding protrusions)
Weight (body only)	Approx. 155g

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) Recording pixels fixed at 1600 x 1200.
- (5) Under conditions where the flash does not fire.
- (6) Depending on memory card speed / capacity.
- (7) Using the batteries and memory card format supplied with the camera, except where indicated.