

Technical Specifications

DIGITAL SLR CAMERA		EOS 40D
IMAGE SENSOR		
	Type	22.2 x 14.8mm CMOS
	Effective Pixels	Approx. 10.1M
	Total Pixels	Approx. 10.5M
	Aspect Ratio	3:2
	Low-Pass Filter	Built-in/Fixed with Self Cleaning Sensor Unit
	Colour Filter Type	Primary Colour
IMAGE PROCESSOR		
	Type	DIGIC III
LENS		
	Lens Mount	EF/EF-S
	Focal Length	1.6x Multiplication with EF lens fitted
FOCUSING		
	Type	TTL-CT-SIR with a CMOS sensor
	AF System/ Points	9 cross-type AF points (f/2.8 at centre)
	AF working range	EV -0.5 - 18 (at 23°C & ISO100)
	AF Modes	AI Focus One Shot AI Servo
	AF Point Selection	Automatic selection, Manual selection
	Selected AF point display	Superimposed in viewfinder and indicated on top LCD panel
	Predictive AF	Yes
	AF Lock	Locked when shutter button is pressed half way in One Shot AF mode.
	AF Assist Beam	Intermittent firing of built-in flash
	Manual Focus	Selected on lens, default in Live View Mode
EXPOSURE CONTROL		
	Metering modes	TTL full aperture metering with 35 zone SPC (1) Evaluative metering (linked to any AF point) (2) Partial metering (approx. 9% of viewfinder at centre) (3) Spot metering: Center spot metering (approx. 3.8% viewfinder at center) (4) Center weighted average metering
	Metering Range	EV 0-20 (at 23°C with 50mm f/1.4 lens ISO100)
	AE Lock	Auto: Operates in 1-shot AF mode with evaluative metering when focus is achieved Manual: By AE lock button in creative zone modes.
	Exposure Compensation	+/- 2 EV, 1/2 or 1/3-stop increments
	AEB	+/- 2 EV, 1/2 or 1/3-stop increments
	ISO Speed Equivalent	Auto (100-800), 100-1600 (in 1/3-stop increments) ISO can be expanded to H: 3200 (selected in Custom Function) ISO 200-1600 in Highlight Tone Priority (C.Fn II -3)
SHUTTER		
	Type	Electronically-controlled focal-plane shutter
	Speed	30-1/8000 sec (1/2 or 1/3 stop increments), Bulb.
	Shutter release	Soft touch electromagnetic release
WHITE BALANCE		
	Type	Auto white balance with the imaging sensor
	Settings	AWB, Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom, Colour Temperature Setting. White balance compensation: 1. Blue/Amber +/-9 2. Magenta/ Green +/-9.

	Personal White Balance	1 personal WB setting can be registered
	WB Bracketing	+/-3 stops in full stop increments 3 bracketed images per shutter release. Selectable Blue/Amber bias or Magenta/ Green bias.
COLOUR MATRIX		
	Type	Two types of colour space, sRGB and Adobe RGB.
VIEWFINDER		
	Viewfinder Coverage (Vertical/Horizontal)	Pentaprism Approx. 95%
	Magnification	0.95x (4)
	Eyepoint	22mm
	Dioptre Correction	-3 to +1 dpt
	Focusing Screen	Interchangeable (3 types). Standard Focusing Screen Precision Matte Ef-A
	Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF600mm f4 or shorter)
	Viewfinder Information	AF information (AF points, focus confirmation light), exposure information (shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, spot metering circle, exposure warning, AEB), flash information (flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light), white balance correction, CF card information, monochrome shooting, maximum burst
	Depth of field preview	Yes
LCD MONITOR		
	Monitor	3.0" TFT, approx. 230K pixels Live View Mode with selectable grid. Silent shooting in Live View Mode (2x modes)
	Coverage	Approx. 100%
	Brightness	Adjustable to one of seven levels
FLASH		
	Modes	Auto, Manual Flash On/Off, Red-Eye Reduction
	HotShoe/ PC terminal	Yes/ Yes
	X-sync	1/250sec
	Red-Eye Reduction	Yes
	Flash Exposure Compensation	+/- 2EV in 1/2 or 1/3 increments
	Flash Exposure Bracketing	Yes
	Flash Exposure Lock	Yes
	Second Curtain Synchronisation	Yes
	Built-in Flash Range	Coverage up to 17mm focal length (27mm equivalent)
	Guide Number (ISO 100, meters)	13
	External Flash	E-TTL II with EX series Speedlites, wireless multi-flash support
SHOOTING		
	Modes	Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, No Flash, Program AE, Shutter priority AE, Aperture priority AE, Manual, A-DEP, Custom (x3)
	Photo Effects	Monochrome (selected from the "Picture Style" menu) with options for Filters and Toning Effects.
	Drive modes	Single / Continuous L / Continuous H

	Continuous Shooting	Max. Approx. 6.5fps. (speed maintained for up to 75 images (JPEG)(1), 17 images (RAW)) (2)
RECORDING PIXELS / COMPRESSION		
	Image Size	(LF) 3888x2592, (LN) 3888x2592, (MF) 2816x1880, (MN) 2816x1880, (SF) 1936x1288, (SN) 1936x1288, (RAW) 3888x2592, (sRAW) 1936x1288
	Compression	Fine, Normal, RAW / sRAW (Canon RAW 2nd edition)
FILE FORMAT		
	Still Image Format	JPEG (Exif 2.21 [Exif Print] compliant) / Design rule for Camera File system (2.0), Digital Print Order Format [DPOF] Version 1.1 compliant
	RAW+JPEG simultaneous recording	Yes
	File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset
	Processing Parameters	6 Preset 'Picture Styles' with 3 User defined settings
DIRECT PRINT		
	Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
	PictBridge	Yes
OTHER FEATURES		
	Custom Functions	24 Custom Functions with 62 settings
	LCD Panel (EL)	Yes
	Illumination	
	Water/ Dust resistance	Yes ⁶
	Sound Memo	No
	Intelligent Orientation Sensor	Yes
	Histogram	Brightness: Yes RGB: Yes
	Playback zoom	1.5x - 10x
	Display Formats	(1) Single image with information (2 levels) (2) Single image (3) 4 image index (4) 9 image index (5) Magnified view
	Image Erase Protection	Erase protection of one image at a time
	Image Erase	Single image, All images on card, Checkmarked images
	Self Timer	Approx. 2 or 10 sec.
	Menu Categories	(1) Shooting menu (2) Playback menu (3) Setup menu (4) Custom Functions menu (5) My Menu
	Menu Languages	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Simplified Chinese, Japanese, Traditional Chinese, Korean, Russian, Polish
	Firmware Update	Update possible by the user.
INTERFACE		
	Computer	USB 2.0 Hi-Speed (Mini-B, PTP)
	Other	Video output (PAL/ NTSC), Extension System Terminal
MEMORY CARD		
	Type	CompactFlash Type I/ II (Microdrive compatible)(3), External Media (with Wireless File Transmitter WFT-E3 only).

SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows 2000 (SP4) / XP (SP2) / Vista (excl. Starter Edition) OS X v10.3-10.4
SOFTWARE		
	Browsing & Printing Other	ZoomBrowser EX / ImageBrowser PhotoStitch, EOS Utility (inc. Remote Capture, WFT utility*, Original Data Security Tools*), Picture Style Editor * Requires optional accessory
	Drivers	PTP TWAIN Driver (Windows 2000)
	Image Manipulation	Digital Photo Professional (RAW Image Processing)
POWER SOURCE		
	Batteries	Rechargeable Li-ion Battery BP-511/BP-511A or BP-512/BP-514 (BP-511A battery supplied), 1xCR2016 for date & settings
	Battery life	Approx. 800 (at 23°C, AE 50%, FE 50%) (5) Approx. 700 (at 0°C, AE 50%, FE 50%)
	Battery check	Automatic
	Power saving	Power turns off after 1, 2, 4, 8, 15 or 30mins.
	A/C Power Supply	Optional, Power adapter ACK-E2
ACCESSORIES		
	General	Wireless File Transmitter WFT-E3, Original Data Security Kit OSK-E3, Eyecup Eb, E-series Dioptic Adjustment Lens with Rubber Frame Eb, Eyepiece Extender EP-EX15, Focusing Screens Ef (with Grid Ef-D, Super Precision Matte Ef-S), Angle Finder C, Semi-Hard case EH17-L
	Lenses	All EF and EF-S lenses
	Flash	Canon Speedlites (220EX, 380EX, 420EX, 430EX, 550EX, 580EX, 580EX II, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2)
	Battery Grip	BG-E2N, BG-E2
	Remote Controller/ Switch	Remote control with N3 type contact, Wireless Controller LC-5
	Power Supply & Battery Chargers	AC Adapter Kit ACK-E2, Compact power adapter CA-PS400, Battery charger CB-5L, Battery charger CG-570, Car Battery Cable Kit CB-570, Compact Power Adapter CA-570, Battery Pack BP-511A
PHYSICAL SPECIFICATIONS		
	Body Materials	Magnesium Alloy body covers
	Operating Environment	0 – 40 °C, 85% or less humidity
	Dimensions (WxHxD)	145.5 x 107.8 x 73.5mm
	Weight (body only)	Approx. 740g

All data is based on Canon standard testing methods except where indicated.

Subject to change without notice.

1 Large/Fine resolution

2 Depending on memory card speed / capacity

3 Compatible with large memory card capacities, including cards of 2GB and more (camera may require firmware update).

4 with 50mm lens at infinity, -1 dpt

5 Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated

6 Memory card and battery door only