

DIGITAL CAMERA		EOS 50D
IMAGE SENSOR		
	Type	22.3mm x 14.9mm CMOS
	Effective Pixels	Approx. 15.10 megapixels
	Total Pixels	Approx. 15.50 megapixels
	Aspect Ratio	3:2
	Low-Pass Filter	Built-in/Fixed
	Sensor Cleaning	EOS integrated cleaning system with fluorine coating
	Colour Filter Type	Primary Colour
IMAGE PROCESSOR		
	Type	DIGIC 4
LENS		
	Lens Mount	EF/EF-S
	Focal Length	Equivalent to 1.6x the focal length of the lens
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 (7)	Yes, up to 8m
	AF Lock	Locked when shutter button is pressed half way in One Shot AF mode or AF-ON button is pressed.
	AF Assist Beam	Intermittent firing of built-in flash or emitted by optional dedicated Speedlite
	Manual Focus	Selected on lens, default in Live View Mode
	AF Microadjustment	C.Fn III-7 +/- 20 steps Adjust all lenses by same amount Adjust up to 20 lenses individually
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 (approx. 3.8% viewfinder at centre) (4) Centre weighted average metering
	Metering Range	EV 0-20 (at 23°C with 50mm f/1.4 lens ISO100)
	AE Lock	Auto: In 1-shot AF mode with evaluative metering exposure is locked when focus is achieved. Manual: By AE lock button in creative zone modes.
	Exposure Compensation	+/- 2 EV in 1/3 or 1/2 stop increments (can be combined with AEB).
	AEB	+/- 2 EV, 1/2 or 1/3-stop increments
	ISO Sensitivity (8)	Auto (100-1600), 100-3200 (in 1/3-stop or whole stop increments) ISO can be expanded to H1: 6400 and H2:12800
SHUTTER		
	Type	Electronically-controlled focal-plane shutter
	Speed	30-1/8000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
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.
	Custom White Balance WB Bracketing	Yes, 1 setting can be registered +/-3 levels in single level increments 3 bracketed images per shutter release. Selectable Blue/Amber bias or Magenta/ Green bias.
VIEWFINDER		
	Type	Pentaprism
	Coverage (Vertical/Horizontal)	Approx. 95%
	Magnification	Approx. 0.95x (4)
	Eyepoint	Approx. 22mm (from eyepiece lens centre)
	Dioptrre Correction	-3 to +1 m-1 (dioptrre)
	Focusing Screen	Interchangeable (3 types, optional). Standard Focusing Screen Precision Matte Ef-A
	Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF600mm f/4 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. Image information: White balance correction, CF card information, monochrome shooting, maximum burst (2 digit display), Highlight tone priority (D+).
	Depth of field preview	Yes, with Depth of Field preview button.
	Eyepiece shutter	On strap
LCD MONITOR		
	Type	3.0" Clear View TFT, approx. 920K dots
	Coverage	Approx. 100%
	Viewing Angle (horizontally/vertically)	Approx 160°
	Coating	Dual Anti-reflection
	Brightness Adjustment	Adjustable to one of seven levels
	Display Options	(1) Quick Control Screen (2) Camera settings
FLASH		
	Built-in Flash GN (ISO 100, meters)	13
	Built-in Flash Coverage	up to 17mm focal length (35mm equivalent: 27mm)
	Built-in Flash recycle time	Approx. 3 seconds
	Modes	Auto, Manual Flash On/Off, Red-Eye Reduction
	Red-Eye Reduction	Yes
	X-sync	1/250sec
	Flash Exposure Compensation	+/- 2EV in 1/2 or 1/3 increments
	Flash Exposure Bracketing	Yes, with compatible External Flash
	Flash Exposure Lock	Yes
	Second Curtain Synchronisation	Yes
	HotShoe/ PC terminal	Yes/ Yes
	External Flash Compatibility	E-TTL II with EX series Speedlites, wireless multi-flash support.
	External Flash Control	via camera menu screen
SHOOTING		

	Modes	Auto, Creative Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, No Flash, Program AE, Shutter priority AE, Aperture priority AE, Manual, A-DEP, Custom (x2)
	Picture Styles	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined (x3)
	Colour Space	sRGB and Adobe RGB
	Image Processing	Highlight Tone Priority Auto Lighting Optimizer (4 settings) Long exposure noise reduction High ISO speed noise reduction (4 settings) Auto Correction of Lens Peripheral illumination
	Drive modes	Single, Continuous L, Continuous H, Self timer (2s, 10s)
	Continuous Shooting	Max. Approx. 6.3fps. (speed maintained for up to 90 images (JPEG)(1)(with UDMA card), 16 images (RAW)) (2)
LIVE VIEW MODE		
	Type	Electronic viewfinder with image sensor
	Coverage	Approx. 100% (horizontally and vertically)
	Frame Rate	30 fps
	Focusing	Manual Focus (Magnify the image 5x or 10x at any point on screen) Autofocus: Quick mode, Live mode, Live Face detection mode
	Metering	Real-time evaluative metering with image sensor Active metering time can be changed
	Display Options	Grid overlay (x2), Histogram
FILE TYPE		
	Still Image Type	JPEG: Fine, Normal (Exif 2.21 [Exif Print] compliant) / Design rule for Camera File system (2.0), RAW: RAW, sRAW1, sRAW2 (14bit, Canon original RAW 2nd edition), Digital Print Order Format [DPOF] Version 1.1 compliant
	RAW+JPEG simultaneous recording	Yes, any combination of RAW + JPEG, sRAW1 + JPEG, sRAW2 + JPEG possible.
	Image Size	JPEG: (L) 4752x3168, (M) 3456x2304, (S) 2353x1568, RAW: (RAW) 4752x3168, (sRAW1) 3267x2178, (sRAW2) 2376x1584
	Folders	New folders can be manually created and selected
	File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset
OTHER FEATURES		
	Custom Functions	25 Custom Functions with 74 settings
	Metadata Tag	User copyright information
	LCD Panel / Illumination	Yes / Yes
	Water/ Dust resistance	Yes (6)
	Intelligent Orientation Sensor	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
	Slide Show	Image selection: All images, by Date, by Folder Playback time: 1/2/3/5 seconds Repeat: On/Off
	Histogram	Brightness: Yes RGB: Yes
	Highlight Alert	Yes

	Image Erase/Protection	Erase: Single image, All images in folder, Checkmarked images, unprotected images Protection: Erase protection of one image at a time
	Data Verification	Original image verification data can be appended to the image (OSK-E3 required for verification)
	Menu Categories	(1) Shooting menu (x2) (2) Playback menu (x2) (3) Setup menu (x3) (4) Custom Functions menu (5) My Menu
	Menu Languages	25 Languages English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean and Japanese
	Firmware Update	Update possible by the user.
INTERFACE		
	Computer	USB 2.0 Hi-Speed (Mini-B)
	Other	HDMI mini output, Video output (PAL/ NTSC), Extension system terminal (for WFT-E3)
DIRECT PRINT		
	Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
	PictBridge	Yes
STORAGE		
	Type	CompactFlash Type I/ II (Microdrive compatible, UDMA compatible), external storage with WFT-E3
SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows 2000 (SP4) / XP (SP2/SP3) / Vista inc SP1 (excl. Starter Edition) OS X v10.3-10.5
SOFTWARE		
	Browsing & Printing	ZoomBrowser EX / ImageBrowser
	Image Processing	Digital Photo Professional
	Other	PhotoStitch, EOS Utility (inc. Remote Capture, WFT utility*, Original Data Security Tools*), Picture Style Editor * Requires optional accessory
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. 640 (at 23°C, AE 50%, FE 50%) (5) Approx. 540 (at 0°C, AE 50%, FE 50%)
	Battery Indicator	4 levels
	Power saving	Power turns off after 1, 2, 4, 8, 15 or 30mins.
	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
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. 730g
ACCESSORIES		
	Viewfinder	Eyecup Eb, E-series Diopteric 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

Wireless File Transmitter	Wireless File Transmitter WFT-E3
Lenses	All EF and EF-S lenses
Flash	Canon Speedlites (220EX, 380EX, 420EX, 430EX, 430EX II, 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
Other	Original Data Security Kit OSK-E3

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

1 Large/Fine(Quality 8) resolution

2 Based on Canon's testing conditions, JPEG, ISO 100, Standard Picture Style.

Varies depending on the subject, memory card brand and capacity, image recording quality, ISO speed, drive mode, Picture Style, Custom functions etc.

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

4 with 50mm lens at infinity, -1m-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

7 with EF300mm f/2.8L IS USM at 50kph

8 Recommended Exposure Index