

## EOS 800D

EOS 800D		
<b>IMAGE SENSOR</b>		
	Type	22.3mm x 14.9 mm CMOS
	Effective Pixels	Approx. 24.20 megapixels
	Total Pixels	Approx. 25.80 megapixels
	Aspect Ratio	3:2
	Low-Pass Filter	Built-in/Fixed
	Sensor Cleaning	EOS integrated cleaning system
	Colour Filter Type	Primary Colour
<b>IMAGE PROCESSOR</b>		
	Type	DIGIC 7
<b>LENS</b>		
	Lens Mount	EF/EF-S
	Focal Length	Equivalent to 1.6x the focal length of the lens
	Image Stabilisation	
<b>FOCUSING</b>		
	Type	TTL-CT-SIR with a CMOS sensor
	AF System/ Points	45 cross-type AF points (45 f/5.6 cross-type AF points, 27 f/8 points [9 cross-type], centre point is f/2.8 and f/5.6 dual cross-type) (11)
	AF working range	EV -3 - 18 (at 23°C & ISO100)
	AF Modes	AI Focus One Shot AI Servo
	AF Point Selection	Automatic selection: 45 point AF Manual selection: Single point AF Manual selection: Zone AF Manual selection: Large Zone AF AF points can be selected separately for vertical and horizontal shooting
	Selected AF point display	Indicated by a transmissive LCD in viewfinder and Quick Control screen
	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
	Focus Bracketing	
	AF Microadjustment	
<b>EXPOSURE CONTROL</b>		
	Metering modes	7560-pixel RGB+IR metering sensor Metering with the area divided into 63 segments (9×7) (1) Evaluative metering (linked to all AF points) (2) Partial metering (approx. 6.0% of viewfinder) (3) Spot metering (approx. 3.5% of viewfinder) (4) Center-weighted average metering
	Metering Range	EV 1-20 (at 23°C with 50mm f/1.4 lens ISO100)
	AE Lock	Auto: In One-shot AF mode with evaluative metering exposure is locked when focus is achieved. Manual: By AE lock button in creative zone modes.
	Exposure Compensation	+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB).
	AEB	3 shots +/-3 EV 1/3 or 1/2 stop increments
	ISO Sensitivity (8)	Auto (100-25600), 100-25600 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 51200 During Movie shooting: Auto (100-12800), 100-12800 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 25600

SHUTTER		
	Type Speed	Electronically-controlled focal-plane shutter 30-1/4000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
WHITE BALANCE		
	Type Settings  Custom White Balance WB Bracketing	Auto white balance with the imaging sensor AWB (Ambience priority, White priority), Daylight, Shade, Cloudy, Tungsten light, White Fluorescent light, Flash, Custom, Colour Temperature Setting. White balance compensation: 1. Blue/Amber +/-9 2. Magenta/ Green +/-9. 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 Coverage (Vertical/Horizontal) Magnification Eyepoint Dioptre Correction Focusing Screen Mirror  Viewfinder Information  Depth of field preview Eyepiece shutter	Pentamirror Approx. 95% Approx. 0.82x (4) Approx. 19mm (from eyepiece lens centre) -3 to +1 m-1 (dioptre) Fixed Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF 600mm f/4 IS USM or shorter) AF information: AF points, focus confirmation 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: Card information, maximum burst (1 digit display), Highlight tone priority (D+). Composition information: Grid, Electronic level, Aspect Ratio Other information: Warning icon, Flicker Detection  Yes, with Depth of Field preview button. On strap
LCD MONITOR		
	Type Coverage Viewing Angle (horizontally/vertically) Coating Brightness Adjustment Display Options	Touch screen Vari angle 7.7cm (3.0") 3:2 Clear View II TFT, approx. 1040K dots Approx. 100% Approx 170° Anti-reflection and Anti smudge Adjustable to one of seven levels (1) Quick Control Screen (2) Camera settings (3) Electronic Level

FLASH		
	Built-in Flash GN (ISO 100, meters)	12
	Built-in Flash Coverage	up to 17mm focal length (35mm equivalent: 27mm)
	Built-in Flash recycle time	Approx. 3 seconds
	Modes	Auto, Manual flash, Integrated Speedlite Transmitter
	Red-Eye Reduction	Yes - with red-eye reduction lamp
	X-sync	1/250sec
	Flash Exposure Compensation	+/- 3EV 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/ No
	External Flash Compatibility	E-TTL II with EX series Speedlites, wireless optical multi-flash support
	External Flash Control	via camera menu screen
SHOOTING		
	Modes	Scene Intelligent Auto (Stills and Movie), No Flash, Creative Auto, Portrait, Landscape, Close-up, Sports, SCN, Night Portrait, Handheld Night Scene, HDR Backlight Control, Food, Kids, Candlelight), Creative filters, Program AE, Shutter priority AE, Aperture priority AE, Manual (Stills and Movie),
	Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, 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) Multi Shot Noise Reduction Auto Correction of Lens Peripheral illumination, Chromatic aberration correction, Distortion correction, Diffraction correction Creative filters (Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect, HDR art standard, HDR art vivid, HDR art bold, HDR art embossed) Multi-exposure RAW image processing - during image Playback only Resize to M or S1, S2, S3
	Drive modes	Single, Continuous L, Continuous H, Self timer (2s+remote, 10s +remote), Silent single shooting, Silent continuous shooting
	Continuous Shooting	Max. Approx. 6fps. (speed maintained until card is full) (JPEG)(1)(10)(with UHS-I card), 27 images (RAW)(with UHS-I card)) (2) (10)
	Intervalometer	

LIVE VIEW MODE		
Type		Electronic viewfinder with image sensor
Coverage		Approx. 100% (horizontally and vertically)
Frame Rate		29.97 fps
Focusing		Manual Focus (Magnify the image 5x or 10x at any point on screen) Autofocus: Dual Pixel CMOS AF (Face detection and Tracking AF, FlexiZone-Multi, FlexiZone-Single) One-shot AF and Servo AF selectable for Stills and Movie
Metering		Real-time evaluative metering with image sensor. Evaluative metering, partial metering, spot metering, center-weighted average metering.
Display Options		Grid overlay (x3), Histogram, Electronic level,
FILE TYPE		
Still Image Type		JPEG: Fine, Normal (Exif 2.30 [Exif Print] compliant) / Design rule for Camera File system (2.0), RAW: RAW, M-RAW, S-RAW (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, M-RAW + JPEG, S-RAW + JPEG possible.
Image Size		JPEG 3:2: (L) 6000 x 4000, (M) 3984 x 2656, (S1) 2976 x 1984, (S2) 1920x1280, (S3) 720x480 JPEG 4:3: (L) 5328x4000, (M) 3552x2664, (S1) 2656x1992, (S2) 1696x1280, (S3) 640x480 JPEG 16:9: (L) 6000x3368, (M) 3984x2240, (S1) 2976x1680, (S2) 1920x1080, (S3) 720x408 JPEG 1:1: (L) 4000x4000, (M) 2656x2656, (S1) 1984x1984, (S2) 1280x1280, (S3) 480x480 RAW: (RAW) 6000x4000, (M-RAW) 4500x3000, (S-RAW) 3000x2000
Movie Type		MP4 (Video: H.264 Intra frame / inter frame, Sound: Linear PCM / AAC, recording level can be manually adjusted by user)
Movie Size		1920 x 1080 (59.94, 50 fps) inter-frame 1920 x 1080 (29.97, 25, 23.98 fps) inter frame 1920 x 1080 (29.97, 25) lite inter-frame 1280 x 720 (59.94, 50 fps) inter-frame 1280 x 720 (29.97, 25) lite inter-frame 640 x 480 (29.97, 25) inter-frame 640 x 480 (29.97, 25) lite interframe
Movie Length		Max duration 29min 59sec, Max file size 4GB (If file size exceeds 4GB a new file will be created automatically)
Sound Files		
Folders		New folders can be manually created and selected
File Numbering		(1) Consecutive numbering (2) Auto reset (3) Manual reset

OTHER FEATURES		
	Custom Functions Metadata Tag	15 Custom Functions User copyright information (can be set in camera) Image rating (0-5 stars)
	LCD Panel / Illumination Water/ Dust resistance Sound Memo Intelligent Orientation Sensor Playback zoom Display Formats	Yes / Yes  Yes 1.5x - 10x (1) Single image with information (2 levels) (2) Single image (3) 4 image index (4) 9 image index (5) 36 image index (6) 100 image index (7) Jump Display
	Slide Show	Choose images with Image Search Playback time: 1/2/3/5/10/20 seconds Repeat: On/Off Background music: On/Off Transition effect: Off, Slide in 1, Slide in 2, Fade 1, Fade 2, Fade 3
	Histogram	Brightness: Yes RGB: Yes
	Highlight Alert	Yes
	Image Erase/Protection	Erase: Select image, select range, all images in folder, all images on a card, all found images (during image search) Protection: Single image, select range, all images in folder, all images on a card, all found images (during image search)
	Menu Categories	(1) Shooting menu (x5) (2) Playback menu (x3) (3) Setup menu (x4) (4) Display Options 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 Other	Hi-Speed USB Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible), External microphone (3.5mm Stereo mini jack)
DIRECT PRINT		
	Canon Printers PictBridge	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge Yes
STORAGE		
	Type	SD, SDHC or SDXC (UHS-I) card
SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows 10 / 8.1 / 8 / 7(*) * With Microsoft .NET Framework 4.5 is installed. Mac OS X 10.9, 10.10, 10.11

SOFTWARE		
	Browsing & Printing Image Processing  Other	Digital Photo Professional 4.4.0 (RAW Image Processing) EOS Utility EOS Lens Registration Too EOS Web Service Registration Tool EOS Sample Music Picture Style Editor
POWER SOURCE		
	Batteries Battery life   Battery Indicator Power saving  Power Supply & Battery Chargers	1 x Rechargeable Li-ion Battery LP-E17 Viewfinder: Approx. 600 (at 23°C, AE 50%, FE 50%) (5) Viewfinder: Approx. 550 (at 0°C, AE 50%, FE 50%) Live View: Approve 270 (at 23°C, AE 50%, FE 50%) Live View: Approve 230 (at 0°C, AE 50%, FE 50%)  6 levels + percentage Power turns off after 10/30 (10 sec viewfinder/30 sec live view, functions, image playback etc) sec, 30 sec, 1, 2, 4, 8, or 15 mins.
PHYSICAL SPECIFICATIONS		
	Body Materials   Operating Environment Dimensions (WxHxD) Weight (body only)	Chassis: Aluminum alloy and polycarbonate resin with glass fiber Exterior: Polycarbonate resin with glass fiber and special conductive fiber 0 – 40 °C, 85% or less humidity 131.0 x 99.9 x 76.2mm Approx. 532g (CIPA testing standard, including battery and memory card)
ACCESSORIES		
	Viewfinder   Case Wireless File Transmitter   Lenses Flash  Battery Grip Remote Controller/ Switch  Other	<p>Eyecup Ef Rubber Frame Ef, E-series Dioptic Adjustment Lenses Eyepiece Extender EP-EX15II Magnifier MG-Ef Angle Finder C</p> <p>Leather case EH21-L Built in Wi-Fi transmission Connectivity to Smart devices is possible with Android version 4.0-4.4/5.0-5.1 or iOS 7.1/8-8.3. NFC connectivity is possible only with compatible Android devices Remote Wi-Fi zoom operation of EF-S 18-135mm f/3.5-5.6 IS USM via the optional Power Zoom Adapter PZ-E1 is only possible on EOS 80D using a compatible smart device or supplied EOS utility software</p> <p>All EF and EF-S lenses Canon Speedlites (90EX, 220EX, 270EX, 270EX II, 320EX, 420EX, 430EX, 430EX II, 430EX III-RT, 550EX, 580EX, 580EX II, 600EX, 600EX-RT, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT)</p> <p>Remote Switch RS-60E3, Remote Controller RC-6, Remote Controller BR-E1 Hand Strap E2, GP-E2</p>

**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,  $-1\text{m}^{-1}$  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

9 Environmental protection

10 Sustained continuous shooting speed is tested based on Canon's testing standard. Function requires compatible SDHC/SDXC UHS Speed Class 1 memory

11 Peripheral Cross type AF points will not function as a cross type AF points with the following lenses: EF 35-80mm f4-5.6 (II/III/USM), EF35-105mm f4.5-5.6 (USM), EF 80-200mm f4.5-5.6 (II)

12 With Battery strength 75% or higher

13 Viewfinder Information