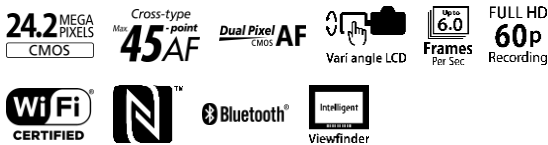


EOS 800D



Next-generation DSLR technology, made simple

When great quality results are the most important thing, the EOS 800D makes it simple to capture photos and movies you'll be proud of. Next-generation technology is easy to use, and improves performance in low-light and when shooting movies.



- **The quality your photography deserves**
An APS-C sized 24.2-megapixel sensor captures lots of detail and gives that shallow-focus DSLR look to your pictures.
- **Be spontaneous. Be creative**
Enjoy your photography, with satisfyingly responsive handling and a bright optical viewfinder.
- **Movies made easy**
Full HD movies look superb online and on your home TV. Even fast movement is kept in sharp focus.
- **Simple wireless sharing and control**
Connect quickly to your compatible smartphone or tablet for image sharing and remote camera control.
- **Welcome to the EOS family**
The EOS 800D is part of a system of cameras, lenses and accessories trusted by photographers all over the world.

Product Range



EOS 800D



EOS 760D



EOS 750D

EOS 800D
EOS 760D
EOS 750D
EOS 100D
EOS 1300D

Technical Specifications

IMAGE SENSOR

Type	22.3 mm 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

IMAGE PROCESSOR

Type	DIGIC 7
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LENS

Lens Mount	EF/EF-S
Focal Length	Equivalent to 1.6x the focal length of the lens
Image Stabilisation	Optical Image Stabilizer on compatible lens

Movie: In-camera 5-axis Digital IS available. Further stabilisation enhancements from lenses compatible with Dynamic IS ^[29]

FOCUSING

Type	Via optical viewfinder: TTL-CT-SiR with a CMOS sensor
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Via liveview on LCD screen:
Dual Pixel CMOS AF System. Phase detection pixels built onto imaging sensor ^[20]

AF System/ Points	Via optical viewfinder: 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]
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Via liveview on LCD screen:
Maximum 49 AF points (Fixed location on 7x7 grid) via camera automatic selection ^[15]
Freely position 1 AF point/ 1 AF Zone (9 points, 3x3 grid) via manual selection ^[29]

AF working range	Via optical viewfinder: EV -3 - 18 (at 23 °C & ISO 100) with centre AF point & f/2.8 or brighter lenses
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Via liveview on LCD screen:
EV -2 - 18 (at 23 °C & ISO 100) with One-Shot AF

AF Modes	AI Focus One Shot AI Servo (AI Servo II algorithm)
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AF Point Selection	Via optical viewfinder:
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Automatic selection: 45 point AF
Manual selection: Single point AF
Manual selection: Zone AF
Manual selection: Large Zone AF

Selected AF point display	Indicated by a transmissive LCD in viewfinder and Quick Control screen
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Predictive AF ⁽⁷⁾	Yes
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AF Lock	Locked when shutter button is pressed half way in One Shot AF mode or AF-ON button is pressed.
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AF Assist Beam	Intermittent firing of built-in flash (effective range up to 4.0 m) or emitted by optional dedicated Speedlite
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Manual Focus	Selected on lens
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EXPOSURE CONTROL

Metering modes	Via optical viewfinder: 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
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Via liveview on LCD screen:
(1) Evaluative metering (315 zones)
(2) Partial metering (approx. 6.0 % of LCD screen)
(3) Spot metering (approx. 2.6 % of LCD screen)
(4) Center-weighted average metering

Metering Range

Via optical viewfinder:
EV 1-20 (at 23 °C with 50mm f/1.4 lens ISO 100)

AE Lock

Via liveview on LCD screen:
EV 1-20 (at 23 °C, ISO 100, evaluative metering)
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

ISO Sensitivity ⁽⁸⁾

3 shots +/-3 EV 1/3 or 1/2 stop increments
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

Electronically-controlled focal-plane shutter

Speed

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

Auto white balance with the imaging sensor

Settings

AWB (Ambience priority, White priority), Daylight, Shade, Cloudy, Tungsten light, White Fluorescent light, Flash, Custom, Colour Temperature Setting.

White balance compensation:

1. Blue/Amber bias +/-9 levels
2. Magenta/ Green bias +/-9 levels

Yes, 1 setting can be registered

Custom White Balance

WB Bracketing

+/-3 levels in single level increments
3 bracketed images per shutter release.
Selectable Blue/Amber bias or Magenta/ Green bias.

VIEWFINDER

Type

Pentamirror

Coverage

Approx. 95%

(Vertical/Horizontal)

Magnification

Approx. 0.82x ⁽⁴⁾

Eyepoint

Approx. 19mm (from eyepiece lens centre)

Dioptre Correction

-3 to +1 m-1 (diopetre)

Focusing Screen

Fixed (Translucent LCD screen for information overlay)

Mirror

Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF 600mm f/4 IS USM or shorter)

Viewfinder Information

AF information: AF points, focus confirmation, AF area selection mode

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

Depth of field preview

Yes, with Depth of Field preview button.

Eyepiece shutter

On strap

LCD MONITOR

Type

Vari angle touchscreen 7.7 cm (3.0") 3:2 Clear View II TFT, approx. 1040 K sRGB dots

Coverage

Approx. 100%

Viewing Angle

Approx. 170°

(horizontally/vertically)

Coating

Anti smudge

Brightness Adjustment

Adjustable to one of seven levels

Display Options

- (1) Quick Control Screen
- (2) Camera settings
- (3) Electronic Level

Technical Specifications

FLASH			
Built-in Flash GN (ISO 100, meters)	12		
Built-in Flash Coverage	up to 17mm focal length (35mm equivalent: approx. 28mm)		
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	1/200 sec		
Flash Exposure Compensation	+/- 2 EV 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(Group Photo, 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)		
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)}		
LIVE VIEW MODE			
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: 14bit, Canon original RAW 2nd edition Digital Print Order Format [DPOF] Version 1.1 compliant RAW+JPEG simultaneous recording		
Image Size		JPEG 3:2: (L) 6000 x 4000, (M) 3984 x 2656, (S1) 2976 x 1984, (S2) 2400 x 1600 JPEG 4:3: (L) 5328 x 4000, (M) 3552 x 2664, (S1) 2656 x 1992, (S2) 2212 x 1600 JPEG 16:9: (L) 6000 x 3368, (M) 3984 x 2240, (S1) 2976 x 1680, (S2) 2400 x 1344 JPEG 1:1: (L) 4000 x 4000, (M) 2656 x 2656, (S1) 1984 x 1984, (S2) 1600 x 1600 RAW: (RAW) 6000 x 4000	
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 inter-frame	
Movie Length		Max duration 29min 59sec, Max file size 4GB (If file size exceeds 4GB a new file will be created automatically)	
Folders		New folders can be manually created and selected	
File Numbering		(1) Consecutive numbering (2) Auto reset (3) Manual reset	
OTHER FEATURES			
Custom Functions		15 Custom Functions	
Metadata Tag		User copyright information (can be set in camera) Image rating (0-5 stars)	
LCD Panel / Illumination		Yes / Yes	
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) 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.	

Technical Specifications

INTERFACE

Computer	Hi-Speed USB
Other	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	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
PictBridge	Yes

STORAGE

Type	SD, SDHC, SDXC (UHS Speed Class 1 compatible)
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SUPPORTED OPERATING SYSTEM

PC & Macintosh	Windows 10 / 8.1 / 8 / 7 (With Microsoft .NET Framework 4.5 is installed) ^[24]
	Mac OS X 10.9 / 10.10 / 10.11 / 10.12

SOFTWARE

Image Processing	Digital Photo Professional 4 (RAW Image Processing)
Other	EOS Utility EOS Lens Registration Tool EOS Web Service Registration Tool EOS Sample Music Picture Style Editor

Camera Connect app available on iOS and Android devices

POWER SOURCE

Batteries	1 x Rechargeable Li-ion Battery LP-E17
Battery life	Viewfinder: Approx. 600 (at 23°C, AE 50%, FE 50%) ⁽⁵⁾ Viewfinder: Approx. 550 (at 0°C, AE 50%, FE 50%) Live View: Approx. 270 (at 23°C, AE 50%, FE 50%) Live View: Approx. 230 (at 0°C, AE 50%, FE 50%)
Battery Indicator	4 levels
Power saving	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.
Power Supply & Battery Chargers	AC Adapter AC-E6(N), DC coupler: DR-E18, Battery charger LC-E17

PHYSICAL SPECIFICATIONS

Body Materials	Chassis: Aluminum alloy and polycarbonate resin with glass fiber Exterior: Polycarbonate resin with glass fiber and special conductive fiber
Operating Environment	0 – 40 °C, 85% or less humidity
Dimensions (WxHxD)	131.0 x 99.9 x 76.2mm
Weight (body only)	Approx. 532g (CIPA testing standard, including battery and memory card)

ACCESSORIES

Viewfinder	Eyecup Ef Rubber Frame Ef E-series Dioptic Adjustment Lenses Eyepiece Extender EP-EX15II Magnifier MG-Ef Angle Finder C
Case	Semi Hard case EH26-L / EH27-L
Wireless File Transmitter	Build 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 Bluetooth® (Specification version 4.1, Bluetooth low energy technology) ^{[23] [25]}
Lenses	All EF and EF-S lenses
Flash	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)
Remote Controller/ Switch	Remote Switch RS-60E3, Remote Controller RC-6, Remote Controller BR-E1
Other	Directional Stereo Microphone DM-E1, Hand Strap E2, GP-E2

Footnotes

- ⁽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.
- ⁽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
- ⁽⁷⁾ with EF300mm f/2.8L IS USM at 50kph
- ⁽⁸⁾ Recommended Exposure Index
- ⁽¹⁰⁾ Sustained continuous shooting speed is tested based on Canon's testing standard. Function requires compatible SDHC/SDXC UHS Speed Class 1 memory card, total number of frames captured varies depending on shooting subject, settings and brand of memory card
- ⁽¹¹⁾ Peripheral Cross type AF points will not function as a cross type AF points with the following lenses: EF 35-80mm f4.5-5.6 (II/III/USM), EF35-105mm f4.5-5.6 (USM), EF 80-200mm f4.5-5.6 (II)
- ⁽¹⁵⁾ Maximum number of AF frame is dependent on selected image aspect ratio
- ⁽¹⁷⁾ Wi-Fi use may be restricted in certain countries or regions
- ⁽²⁰⁾ Dual Pixel CMOS AF - AF is possible over an area of approx. 80% Vertical x 80% Horizontal of the frame
- ⁽²³⁾ Equipped with Bluetooth® low energy technology. The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Canon Europe Ltd. is under license. Other trademarks and trade names are those of their respective owners.
- ⁽²⁴⁾ Software applications compatible with Windows 10 in Windows 10 Desktop Mode only
- ⁽²⁵⁾ Bluetooth connection requires smart device to be equipped with Bluetooth version 4.0 (or later). Also requires smart device to be using operating system iOS 8.4 (or later) or Android 5.0 (or later) as well as latest version of Camera Connect app installed
- ⁽²⁶⁾ Require Remote Controller Adapter RA-E3
- ⁽²⁸⁾ Maximum continuous shooting speed with 1/500 sec. or faster shutter speed, maximum aperture (varies depending on the lens), Anti-flicker shooting set to Disable, with a fully-charged Battery Pack LP-E17, and at room temperature (23°C/73°F).
- ⁽²⁹⁾ Following lenses are not compatible with in-camera digital stabilisation:
EF50mm f/1.0L USM EF300mm f/2.8L IS II USM EF600mm f/4L USM
EF50mm f/1.2L USM EF400mm f/2.8L USM EF600mm f/4L IS USM
EF85mm f/1.2L USM EF400mm f/2.8L II USM EF600mm f/4L IS II USM
EF85mm f/1.2L II USM EF400mm f/2.8L IS USM EF800mm f/5.6L IS USM
EF200mm f/1.8L USM EF400mm f/2.8L IS II USM EF1200mm f/5.6L USM
EF200mm f/2L IS USM EF500mm f/4L IS USM EF28-80mm f/2.8-4L USM
EF300mm f/2.8L IS USM EF500mm f/4L IS II USM EF200-400mm f/4L IS USM Extender
EF300mm f/2.8L IS USM EF500mm f/4.5L USM 1.4x

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