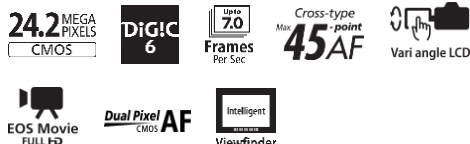


# EOS 80D



## Unlock your creative potential

With impressive speed, instinctive controls and innovative technologies, this versatile Wi-Fi DSLR is ideal for exploring new areas of photography and achieving the stunning results your creativity deserves.



- Excel at capturing action with a responsive 45-point cross-type AF system and 7 fps continuous shooting rate
- Capture atmospheric, detailed 24.2 Megapixel images with accurate exposure metering, ISO 100-16,000 and Flicker Detection
- Intelligent Viewfinder with 100% coverage and large intuitive Vari-Angle LCD touch screen make it easy to creatively compose your shots
- Shoot expert Full HD 60p movies with powerful Dual Pixel CMOS AF and full control at your fingertips
- Wi-Fi\* with NFC\* makes it simple to connect and share to your smart device and capture photos and movies remotely from the camera

\* When used with compatible devices

### Product Range



EOS 7D Mark II



EOS 80D



EOS 760D

EOS 6D  
EOS 7D Mark II

**EOS 80D**  
EOS 60Da  
EOS 760D  
EOS 750D  
EOS 100D  
EOS 1200D

# 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 with fluorine coating
Sensor Cleaning	EOS integrated cleaning system
Colour Filter Type	Primary Colour

## IMAGE PROCESSOR

Type	DIGIC 6
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## 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	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) <sup>(11)</sup>
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 <sup>(7)</sup>	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
AF Microadjustment	C.Fn II-16 +/- 20 steps (wide and tele setting for Zooms) Adjust all lenses by same amount Adjust up to 40 lenses individually Adjustments remembered for lens by serial number

## EXPOSURE CONTROL

Metering modes	7560-pixel RGB+IR metering sensor Metering with the area divided into 63 segments (9x7) (1) Evaluative metering (linked to all AF points) (2) Partial metering (approx. 6.0% of viewfinder) (3) Spot metering (approx. 3.8% 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	2, 3, 5 or 7 Shots +/-3 EV 1/3 or 1/2 stop increments
ISO sensitivity <sup>(8)</sup>	Auto (100-16000), 100-16000 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 25600 During Movie shooting: Auto (100-12800), 100-12800 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 25,600

## 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 (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
Custom White Balance	+/-3 levels in single level increments 3 bracketed images per shutter release. Selectable Blue/Amber bias or Magenta/ Green bias.
WB Bracketing	

## VIEWFINDER

Type	Pentaprism
Coverage (Vertical/Horizontal)	Approx. 100%
Magnification	Approx. 0.95x <sup>(4)</sup>
Eyepoint	Approx. 22 mm (from eyepiece lens centre)
Dioptr Correction	-3 to +1 m <sup>-1</sup> (dioptr)
Focusing Screen	Fixed (Transmissive LCD screen)
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 (2 digit display), Highlight tone priority (D+). Composition information: Grid, Electronic level, Aspect Ratio Other information: Battery check, Alert symbol, Flicker Detection
Depth of field preview	Yes, with Depth of Field preview button.
Eyepiece shutter	On strap

## LCD MONITOR

Type	Touch screen Vari angle 7.7 cm (3.0") 3:2 Clear View II TFT, approx. 1040K dots
Coverage	Approx. 100%
Viewing Angle (horizontally/vertically)	Approx 170°
Coating	Anti-reflection, Solid Structure and Anti smudge
Brightness Adjustment	Adjustable to one of seven levels
Display Options	(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 17 mm focal length (35 mm equivalent: 27 mm)
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

## Technical Specifications

### SHOOTING

<b>Modes</b>	Scene Intelligent Auto (Stills and Movie), No Flash, Creative Auto, SCN (Portrait, Landscape, Close-up, Sports, 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), Bulb, Custom
<b>Picture Styles</b>	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)
<b>Colour Space</b>	sRGB and Adobe RGB
<b>Image Processing</b>	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 and Chromatic aberration correction Creative filters (Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect) Multi-exposure RAW image processing - during image Playback only Resize to M or S1, S2, S3
<b>Drive modes</b>	Single, Continuous L, Continuous H, Self timer (2s+remote, 10s+remote), Silent single shooting, Silent continuous shooting
<b>Continuous Shooting</b>	Max. Approx. 7fps. (speed maintained for up to 110 images (JPEG) <sup>(1) (10)</sup> with UHS-I card), 25 images (RAW) with UHS-I card) <sup>(2) (10)</sup>
<b>Intervalometer</b>	Built-in, number of shots selectable from 1-99 or unlimited. Bulb timer possible
<b>LIVE VIEW MODE</b>	
<b>Type</b>	Electronic viewfinder with image sensor
<b>Coverage</b>	Approx. 100% (horizontally and vertically)
<b>Frame Rate</b>	30 fps
<b>Focusing</b>	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), Tracking sensitivity (-3 to +3) and Movie Servo AF Speed (-7 to +2)
<b>Metering</b>	Real-time evaluative metering with image sensor. Evaluative metering, partial metering, spot metering, center-weighted average metering.
<b>Display Options</b>	Grid overlay (x3), Histogram, Electronic level.
<b>FILE TYPE</b>	
<b>Still Image Type</b>	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
<b>RAW+JPEG simultaneous recording</b>	Yes, any combination of RAW + JPEG, M-RAW + JPEG, S-RAW + JPEG possible.
<b>Image Size</b>	JPEG 3:2: (L) 6000x4000, (M) 3984x2656, (S1) 2976x1984, (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
<b>Movie Type</b>	MOV / 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) intra or 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

### 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

26 Custom Functions

#### Metadata Tag

User copyright information (can be set in camera)  
Image rating (0-5 stars)

#### LCD Panel / Illumination

Yes / Yes

#### Water/ Dust resistance

Yes

#### Sound Memo

No

#### 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  
(8) Movie edit

#### Slide Show

Image selection: All images, by Date, Folder, Movies, Stills  
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

Single image, Selected images, Folder, Card

#### Image Erase/Protection

Erase: Single image, All images in folder, Checkmarked images, unprotected images  
Protection: Erase protection of one image at a time

#### Menu Categories

(1) Shooting menu (x6)  
(2) Playback menu (x3)  
(3) Setup menu (x4)  
(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

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), Headphone socket (Stereo mini jack)

# Technical Specifications

## DIRECT PRINT

### Canon Printers

Canon Compact Photo Printers and PIXMA Printers supporting PictBridge

### 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

### Image Processing

Digital Photo Professional 4.4.0 (RAW Image Processing)

### Other

EOS Utility  
EOS Lens Registration Tool  
EOS Web Service Registration Tool  
EOS Sample Music  
Picture Style Editor

## POWER SOURCE

### Batteries

Rechargeable Li-ion Battery LP-E6N (supplied), built in for date & settings

### Battery life

Approx. 960 (at 23°C, AE 50%, FE 50%)<sup>(5)</sup>  
Approx. 860 (at 0°C, AE 50%, FE 50%)

### Battery Indicator

6 levels + percentage

### Power saving

Power turns off after 1, 2, 4, 8, 15 or 30mins

### Power Supply & Battery Chargers

AC Adapter AC-E6(N), DC coupler: DR-E6, Battery charger LC-E6, Car Battery charger CBC-E6

## PHYSICAL SPECIFICATIONS

### Body Materials

Polycarbonate resin with glass fiber

### Operating Environment

0 – 40 °C, 85% or less humidity

### Dimensions (W x H x D)

139.0 mm x 105.2 mm x 78.5 mm

### Weight (body only)

Approx. 730g (CIPA testing standard, including battery and memory card)

## ACCESSORIES

### Viewfinder

Eyecup Eb, E-series Dioptic Adjustment Lens, Eyepiece Extender EP-EX15II, Angle Finder C

### Case

Leather case EH21-L

### Wireless File Transmitter

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 (as above) or while using supplied EOS Utility software  
All EF and EF-S lenses

### 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)

### Battery Grip

BG-E14

### Remote Controller/ Switch

Remote Switch RS-60E3, Remote Controller RC-6

### Other

Hand Strap E2, GP-E2

## Footnotes

- <sup>(1)</sup> Large/Fine(Quality 8) resolution
- <sup>(2)</sup> 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.
- <sup>(4)</sup> with 50mm lens at infinity, -1m<sup>-1</sup> dpt
- <sup>(5)</sup> Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated
- <sup>(7)</sup> with EF300mm f/2.8L IS USM at 50kph
- <sup>(8)</sup> Recommended Exposure Index
- <sup>(10)</sup> Maximum fps and buffer capacity may be reduced depending on the cameras settings and light level
- <sup>(11)</sup> Number of cross-type points depends on the lens used

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

## Unlock your creative potential

With impressive speed, instinctive controls and innovative technologies, this versatile Wi-Fi DSLR is ideal for exploring new areas of photography and achieving the stunning results your creativity deserves.



Sales Start Date: April 2016

### Product Details

Product Name	Mercury Code	EAN Code	Recommended Retail Price
EOS 80D Body	1263C027	8714574636351	CHF 1'269.-
EOS 80D EF-S 18-55mm f/3.5-5.6 IS STM	1263C034	8714574636429	CHF 1'369.-
EOS 80D EF-S 18-135mm f/3.5-5.6 IS USM	1263C042	8714574636504	CHF 1'689.-
AC Adapter AC-E6N	1425C003	4549292065619	CHF 129.-

### Measurement / Logistic Information:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (mm)	Width (mm)	Height (mm)	Net Weight (kg)	Gross Weight (kg)
EOS 80D Body	1263C027	EA	Each	1	177.5	243.5	135.5	0.991	1.3308
		CT	Carton	6	441	380	286	7.980	8.9900
		EP	Euro Pallet	72	120	80	100.8		115
			Layers per Pallet	3					
			Cartons per Layer	4					
EOS 80D EF-S 18-55mm f/3.5-5.6 IS USM	1263C034	EA	Each	1	177.5	243.5	135.5	1.219	1.5018
		CT	Carton	6	441	380	286	9.010	10.0100
		EP	Euro Pallet	72	120	80	100.8		129
			Layers per Pallet	3					
			Cartons per Layer	4					
EOS 80D EF-S 18-135mm f/3.5-5.6 IS USM	1263C042	EA	Each	1	177.5	243.5	135.5	1.529	1.8118
		CT	Carton	6	441	380	286	10.870	11.8700
		EP	Euro Pallet	72	120	80	100.8		153
			Layers per Pallet	3					
			Cartons per Layer	4					
AC Adapter AC-E6N	1425C003	EA	Each	1	83	68	186	0.266	0.3342
		CT	Carton	6	528	298	222	2.0052	3.0062
		EP	Euro Pallet	96	120	80	103.8		45.2
			Layers per Pallet	4					
			Cartons per Layer	4					

### What's in the box?

- EOS 80D Body
- Eyecup Eb
- Camera Cover R-F-3
- Wide Strap EW-EOS 80D
- Battery Pack LP-E6N
- Battery Charger LC-E6E
- Power Cord (For EUR)