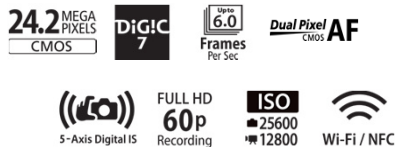


EOS 77D

Creativity and control at your fingertips

Realise your imagination, with a blend of performance and control that puts creativity at your fingertips.



- **Realise your potential as a photographer**
Explore new subjects and new ways of shooting, with next-generation technology
- **Powerful performance for your photography**
The fastest Live View AF* in the world delivers pin-sharp results
- **Be creative with movies too**
Enjoy the same degree of control with movies as you'd expect from stills photography
- **Take more control as your photographic style develops**
Manual controls let you adjust settings without taking the camera away from your eye
- **Share your imagination with the world**
Built-in Wi-Fi, Bluetooth® and NFC make it easy to share images and movies on social networks

*Among interchangeable-lens digital cameras with APS-C sized sensors with phase-difference detection AF on the image plane as of 14th February 2017, based on Canon research.

Measured using CIPA-compliant guidelines, and internal measurement method with the lens EF-S 18-55mm F4-5.6 IS STM mounted and set at 55mm using 1-Point AF with centre point selected, one-shot AF, Live View and Manual modes in use, EV12 (ISO 100 at room temperature).

Product Range



EOS 80D



EOS 77D



EOS 800D

EOS 7D Mark II
EOS 80D
EOS 77D
EOS 800D

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

FOCUSING

Type	Via optical viewfinder: TTL-CT-SIR with a CMOS sensor Via liveview on LCD screen: Dual Pixel CMOS AF System. Phase detection pixels built onto imaging sensor ^[20] Via optical viewfinder:
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] 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 ^[20]
AF working range	Via optical viewfinder: EV -3 - 18 (at 23°C & ISO100) with centre AF point & f/2.8 or brighter lenses
AF Modes	Via liveview on LCD screen: EV -2 - 18 (at 23°C & ISO 100) with One-Shot AF AI Focus One Shot AI Servo (AI Servo II algorithm)
AF Point Selection	Via optical viewfinder: 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
Predictive AF ^[7]	Yes
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 (effective range up to 4.0 m) or emitted by optional dedicated Speedlite
Manual Focus	Selected on lens

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 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
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Metering Range

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

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

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

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

Automatic 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. 19 mm (from eyepiece lens centre)

Dioptr Correction

-3 to +1 m⁻¹ (dioptr)

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

Yes, with Depth of Field preview button.

On strap

Depth of field preview

Eyepiece shutter

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-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

Technical Specifications

FLASH		Image Size	JPEG 3:2: (L) 6000 x 4000, (M) 3984 x 2656, (S1) 2976 x 1984, (S2) 1920x1280, JPEG 4:3: (L) 5328x4000, (M) 3552x2664, (S1) 2656x1992, (S2) 1696x1280, JPEG 16:9: (L) 6000x3368, (M) 3984x2240, (S1) 2976x1680, (S2) 1920x1080, JPEG 1:1: (L) 4000x4000, (M) 2656x2656, (S1) 1984x1984, (S2) 1280x1280, RAW: (RAW) 6000x4000
Built-in Flash GN (ISO 100, meters)	12	Movie Type	MP4 (Video: H.264 Intra frame / inter frame, Sound: Linear PCM / AAC, recording level can be manually adjusted by user)
Built-in Flash Coverage	up to 17mm focal length (35mm equivalent: approx. 28mm)	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
Built-in Flash recycle time	Approx. 3 seconds	Movie Length	Max duration 29min 59sec, Max file size 4GB (If file size exceeds 4GB a new file will be created automatically)
Modes	Auto, Manual flash, Integrated Speedlite Transmitter	Folders	New folders can be manually created and selected
Red-Eye Reduction	Yes - with red-eye reduction lamp	File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset
X-sync	1/200sec	OTHER FEATURES	
Flash Exposure Compensation	+/- 3 EV in 1/2 or 1/3 increments	Custom Functions	14 Custom Functions
Flash Exposure Bracketing	Yes, with compatible External Flash	Metadata Tag	User copyright information (can be set in camera) Image rating (0-5 stars)
Flash Exposure Lock	Yes	LCD Panel / Illumination	Yes / Yes
Second Curtain Synchronisation	Yes	Intelligent Orientation Sensor	Yes
HotShoe/ PC terminal	Yes/ No	Playback zoom	1.5x - 10x
External Flash Compatibility	E-TTL II with EX series Speedlites, wireless optical multi-flash support	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
External Flash Control	via camera menu screen	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
SHOOTING		Histogram	Brightness: Yes RGB: Yes
Modes	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	Highlight Alert	Yes
Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)	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)
Colour Space	sRGB and Adobe RGB	Menu Categories	(1) Shooting menu (x5) (2) Playback menu (x3) (3) Setup menu (x5) (4) Display option menu (5) My Menu
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) Multi-exposure RAW image processing - during image Playback only Resize to M or S1, S2, S3	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
Drive modes	Single, Continuous L, Continuous H, Self timer (2s+remote, 10s +remote)	Firmware Update	Update possible by the user.
Continuous Shooting	Max. Approx. 6 fps. (Speed maintained until memory card is full (JPEG) ⁽¹⁾ , 27 images (RAW)) ⁽²⁾ ⁽¹⁾⁽¹⁾ ⁽²⁾⁽²⁾	INTERFACE	
Intervalometer	Built-in, number of shots selectable from 1-99 or unlimited	Computer	Hi-Speed USB
LIVE VIEW MODE		Other	Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible), External microphone (3.5 mm Stereo mini jack)
Type	Electronic viewfinder with image sensor	DIRECT PRINT	
Coverage	Approx. 100% (horizontally and vertically)	Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
Frame Rate	29.97 fps	PictBridge	Yes
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 RAW, RAW + L possible.		

Technical Specifications

STORAGE

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

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 for 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 5 levels

Power saving Power turns off after 10/30 (10 sec when using viewfinder/30 sec when using live view or functions such as 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-E17E

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 76.2 mm

Weight (body only) Approx. 540 g (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 Built in Wi-Fi transmission:
Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only), with Dynamic NFC support^[17] (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, 600EX II-RT, Macro-Ring-Lite, MR-14EX, Macro-Ring-Lite, MR-14EX II, 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, Timer Remote Controller TC-80N3^[26]

Other Directional Stereo Microphone DM-E1
GPS Receiver GP-E2
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, -1 m-1 dpt

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

^[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

^[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 BluetoothSIG, 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).

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

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at your fingertips

Realise your imagination, with a blend of performance and control that puts creativity at your fingertips.

Sales Start Date: April 2017

EOS 77D



Product Details

Product Name	Mercury Code	EAN Code
D.CAMERA EOS 77D BK BODY EU26	1892C003AA	4549292083583
D.CAMERA EOS 77D BK EF-S18-55 F4-5.6 STM EU26	1892C017AA	4549292096255
D.CAMERA EOS 77D BK 18-135 IS USM EU26	1892C004AA	4549292083590

Optional Accessories:

Product Name	Mercury Code	EAN Code
Remote controller BR-E1	2140C001AA	4549292087864

The Canon logo, consisting of the word 'Canon' in its signature red font.

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EOS 77D



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)
D.CAMERA EOS 77D BK BODY EU26	1892C003AA	EA	Each	1	222	166	148	-	1.2428
		CT	Carton	6	468	354	261	-	8.35
		EP	Euro Pallet	96	1200	800	1194	-	144
			Layers per Pallet	4					
			Cartons per Layer	4					
			Products per layer	24					
D.CAMERA EOS 77D BK EF-S18-55 F4-5.6 STM EU26	1892C017AA	EA	Each	1	249	183	151	-	1.5678
		CT	Carton	6	471	382	288	-	10.3032
		EP	Euro Pallet	72	1200	800	1014	-	134
			Layers per Pallet	4					
			Cartons per Layer	4					
			Products per layer	24					
D.CAMERA EOS 77D BK 18-135 IS USM EU26	1892C004AA	EA	Each	1	240	166	148	-	1.80
		CT	Carton	6	468	354	279	-	11.79
		EP	Euro Pallet	72	1200	800	9870	-	151
			Layers per Pallet	3					
			Cartons per Layer	4					
			Products per layer	24					
Remote controller BR-E1	2140C001AA	EA	Each	1	61.50	30.5	109.5	-	0.0441
		CT	Carton	16	216	141	141	-	0.81
		EP	Euro Pallet	3248	1200	800	1137	-	174
			Layers per Pallet	7					
			Cartons per Layer	29					
			Products per layer	464					

What's in the box?

- Camera EOS 77D body
- Eyecup EF
- Camera Cover R-F-3
- Wide Strap EW-100DBV
- Battery Charger LC-E17E
- Battery Pack LP-E17
- Power Cable
- User Manual Kit