

# TECHNICAL SPECIFICATIONS

# EOS 4000D

## IMAGE SENSOR

<b>Type</b>	Approx. 22.3 mm x 14.9 mm
<b>Effective Pixels</b>	Approx. 18.0 megapixels
<b>Total Pixels</b>	Approx. 18.7 megapixels
<b>Aspect Ratio</b>	3:2
<b>Low-Pass Filter</b>	Built-in/Fixed
<b>Sensor Cleaning</b>	Manual cleaning and Dust Delete Data acquisition
<b>Colour Filter Type</b>	RGB Primary Colour

## IMAGE PROCESSOR

<b>Type</b>	DIGIC 4+
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## LENS

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

## FOCUSING

<b>Type</b>	Via optical viewfinder: TTL secondary image-forming phase-difference detection system with AF-dedicated sensor
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## AF System/ Points

Via live view on LCD screen:  
Contrast detection AF

Via optical viewfinder:  
9 AF points (f/5.6 cross type at centre)

## AF working range

Via optical viewfinder:  
Centre AF point: EV 0 -18  
(at room temperature & ISO100)  
Other AF points: EV 1 -18  
(at room temperature & ISO100)

## AF Modes

Via live view LCD screen:  
EV 1 -18 (at room temperature & ISO100)

Via optical viewfinder:  
AI Focus (Switches between One-Shot AF and AI SERVO AF automatically)  
One Shot AF  
AI Servo  
Manual

## AF Point Selection

Via live view LCD screen:  
One Shot AF (Contrast detect AF)  
Quick Mode (via phase detection AF sensor)  
Manual

Via optical viewfinder:  
Automatic selection from up to 9 points  
Manual selection

## Selected AF point display

Via live view on LCD screen:  
FlexiZone - Freely position 1 AF point via manual selection  
Live Mode - Automatic selection with face detection

## Predictive AF

Indicated by superimposed display in the viewfinder and on the LCD monitor

## AF Lock

Yes

Locked when shutter button is pressed half way in One Shot AF mode. Customisation available via AE Lock Button

## AF Assist Beam

Intermittent firing of built-in flash or emitted by optional dedicated Speedlite (effective up to 4.0 m)

## Manual Focus

Selected on lens

## EXPOSURE CONTROL

### Metering modes

Via optical viewfinder:  
Evaluative via 63 zone dual-layer metering sensor (linked to all AF points)  
Partial (centre, approx. 10% of viewfinder)  
Centre-weighted average available

### Metering Range

Via live view on LCD screen:  
Evaluative metering (315 zones)

Via optical viewfinder:  
EV 1-20 (at room temperature, ISO 100, evaluative metering)

### AE Lock

Via live view on LCD screen:  
EV 0-20 (at room temperature, ISO 100, evaluative metering)

Auto: In 1-shot AF mode with evaluative metering exposure is locked when focus is achieved.

### Exposure Compensation

Manual: By AE lock button in creative zone modes.  
+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB)

### AEB

### ISO Sensitivity

3 shots +/- 2 EV, 1/2 or 1/3-stop increments  
AUTO(100-6400), 100-6400 in 1-stop increments  
ISO can be expanded to H: 12800<sup>[4]</sup>

During Movie shooting: Auto (100-6400), 100-6400 (Whole stop increments)

## SHUTTER

### Type

Electronically-controlled focal-plane shutter, with electronic first curtain

### 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  
AWB (Ambience priority, White priority), Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom (Approx. 2000K - 10000 K)

### Settings

White balance compensation:  
Blue/Amber +/-9  
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

Pentamirror

### Coverage (Vertical/Horizontal)

Approx. 95%

### Magnification

Approx. 0.80x<sup>[4]</sup>

### Eyepoint

Approx. 21 mm (from eyepiece lens center)

### Dioptr Correction

Fixed at -1.0 m-1 (dpt)  
- E-series Dioptric Adjustment Lenses can be used to make dioptric adjustments

### Focusing Screen

Fixed

### Mirror

Quick-return half mirror

### Depth of field preview

Yes, assigned to SET button

### Eyepiece shutter

On strap

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# TECHNICAL SPECIFICATIONS

# EOS 4000D

## LCD MONITOR

Type	6.8 cm (2.7") TFT LCD, approx. 230 K dots
Coverage	Approx. 100%
Viewing Angle (horizontally/vertically)	Approx. 120° vertically Approx. 130° horizontally
Brightness Adjustment	Adjustable to one of seven levels
Display Options	Quick Control Screen Camera settings

## FLASH

Built-in Flash GN (ISO 100, meters)	9.2
Built-in Flash Coverage	up to 17mm focal length (35mm equivalent: 28mm)
Built-in Flash recycle time	Approx. 2 seconds
Modes	Auto, Manual Flash On/off
X-sync	X-contact not equipped, Max. flash sync speed: 1/200 sec. with compatible Speedlites
Flash Exposure Compensation	+/- 2EV in 1/2 or 1/3 increments
Flash Exposure Lock	Yes
Second Curtain Synchronisation	Yes
HotShoe/ PC terminal	Yes/No
External Flash Compatibility	E-TTL II with EX series Speedlites <sup>[32]</sup>
External Flash Control	Available via camera menu screen, except for wireless radio flash shooting settings

## SHOOTING

Modes	Scene Intelligent Auto, Creative Auto, Portrait, Landscape, Close-up, Sports, Food, Night Portrait, Program AE, Shutter priority AE, Aperture priority AE, Manual, Movie Mode
Picture Styles	Auto, 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 (up to 20 lens profiles can be registered in camera)
Drive modes	Single, Continuous, Self timer (2s, 10s, 10s + continuous shots 2-10)
Continuous Shooting	Max. Approx. 3 fps in JPEG until memory card becomes full <sup>[1]</sup> , 6 images RAW <sup>[2]</sup> <sup>[10]</sup>

## LIVE VIEW MODE

Coverage	Approx. 100% (horizontally and vertically)
Frame Rate	29.97 fps
Focusing	Live Mode: One Shot AF (Contrast detect AF) Quick Mode: One Shot AF (phase detection AF sensor) Manual (Magnification 5x or 10x available)
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 2.30 compliant) / Design rule for Camera File system (2.0), RAW: RAW (14bit, Canon original RAW 2nd edition), Digital Print Order Format [DPOF] Version 1.1 compliant
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## RAW+JPEG simultaneous recording

Image Size	Yes, RAW + Large JPEG
	JPEG 3:2: (L) 5184 x 3456, (M) 3456 x 2304, (S1) 2592 x 1728, (S2) 1920 x 1280, (S3) 720 x 480 JPEG 4:3: (L) 4608 x 3456, (M) 3072 x 2304, (S1) 2304 x 1728, (S2) 1696 x 1280, (S3) 640 x 480 JPEG 16:9: (L) 5184 x 2912, (M) 3456 x 1944, (S1) 2592 x 1456 (S2) 1920 x 1080, (S3) 720 x 400 JPEG 1:1: (L) 3456 x 3456, (M) 2304 x 2304, (S1) 1728 x 1728, (S2) 1280 x 1280, (S3) 480 x 480

RAW: (RAW) 5184 x 3456

## Movie Type

Movie Size	MOV (Video: H.264 inter frame (IPB), Sound: Linear PCM, recording level can be manually adjusted by user) 1920 x 1080 (30, 25, 24 fps) 1280 x 720 (60, 50 fps) 640 x 480 (30, 25 fps)
Movie Length	Max duration 29 min 59 sec, Max file size 4 GB
Movie Folders	New folders can be manually created and selected
File Numbering	Consecutive numbering Auto reset Manual reset

## OTHER FEATURES

Custom Functions	10 Custom Functions
Metadata Tag	User copyright information (can be set in camera) Image rating (0-5 stars)
Intelligent Orientation Sensor	Yes
Playback zoom	1.5x - 10x enabled in 15 steps
Display Formats	(1) Single image with information (2 levels) (2) Single image (3) Index display (4/9 images) (4) Jump Display (1/10/100 images, by Date, by Folder, Movies only, Stills only, by Rating)
Slide Show	Image selection: All images, by Date, by Folder, Movies, Stills, Rating Playback time: 1/2/3/5/10 or 20 seconds Repeat: On/Off Transition Effect: Off, Slide 1, Slide 2, Fade 1, Fade 2, Fade 3 Background Music: On, Off
Histogram	Brightness: Yes RGB: Yes
Highlight Alert	Yes
Image Erase/Protection	Erase: Single image, selected images, all images in folder or all images on card Protection: Erase protection for single image, all images in a folder or all images in the card

## Menu Categories

Menu Languages	(1) Shooting menu (x4) (2) Playback menu (x2) (3) Setup menu (x3) (4) My Menu
	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 only
Wi-Fi	Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only) <sup>[17]</sup>

Connectivity to Smart devices is possible via Canon Camera Connect app <sup>[34]</sup>  
Camera Access Point: WPA2-PSK with AES encryption or open

## Wi-Fi Security

Infrastructure: Shared key, with WEP encryption, WPA-PSK/WPA2-PSK with TKIP/AES encryption or open  
HDMI mini (Type-C) output

## Other

## DIRECT PRINT

Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
PictBridge	Yes

## STORAGE

Type	SD card, SDHC card or SDXC card
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## SUPPORTED OPERATING SYSTEM

PC & Macintosh	Windows 10 / 8.1 / 7 SP1 <sup>[24]</sup> Mac OS X 10.10 - 10.13
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# TECHNICAL SPECIFICATIONS

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## SOFTWARE

### Image Processing Other

Digital Photo Professional (RAW Image Processing)  
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 <sup>[34]</sup>

## POWER SOURCE

### Batteries

### Battery life

1 x Rechargeable Li-ion Battery LP-E10  
Approx. 500 (at 23°C, AE 50%, FE 50%) <sup>[5]</sup>  
Approx. 410 (at 0°C, AE 50%, FE 50%)

### Battery Indicator

4 levels

### Power saving

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

### Power Supply & Battery Chargers

Battery charger LC-E10E

## PHYSICAL SPECIFICATIONS

### Body Materials

Polycarbonate resin with glass fibre

### Operating Environment

0 – 40 °C, 85% or less humidity

### Dimensions (WxHxD)

129.0 x 101.6 x 77.1 mm

### Weight (body only)

Approx. 436 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  
Angle Finder C  
Magnifier MG-Ef

## Case

Semi Hard Case EH26-L, EH27-L  
Protecting Cloth PC-E1, PC-E2  
Shoulder Bag SB10, SB100  
Backpack BP10, BP12, BP100  
Messenger Bag MS10, MS11  
Sling Bag SL100  
Holster HL100

## 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 II, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT) <sup>[32]</sup>

## Other

Hand Strap E2, HDMI Cable HTC-100, Interface Cable IFC400PCU

## 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>[8]</sup> Recommended Exposure Index

<sup>[10]</sup> 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

<sup>[17]</sup> Wi-Fi use may be restricted in certain countries or regions

<sup>[24]</sup> Software applications compatible with Windows 10 in Windows 10 Desktop Mode only

<sup>[32]</sup> Speedlites other than the EX-series or non-Canon flash units cannot be used. Not all functions of the Canon EX-series flashes are supported

<sup>[34]</sup> Canon Camera Connect app is available for Apple iOS and Android devices only. Please refer to Google PlayStore® and Apple AppStore® for compatible versions of Android OS and Apple iOS

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated.

Subject to change without notice.

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