TECHNICAL SPECIFICATIONS

EOS 2000D

IMAGE SENSOR
Type	Approx. 22.3 mm x 14.9 mm CMOS
Effective Pixels	Approx. 24.1 megapixels
Total Pixels	Approx. 24.7 megapixels
Aspect Ratio	3:2
Low-Pass Filter	Built-in/Fixed
Sensor Cleaning	Manual cleaning and Dust Delete Data acquisition
Colour Filter Type	Primary Colour

IMAGE PROCESSOR
Type	DIGIC 4+

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

FOCUSING
Type	Via optical viewfinder:
	TTL secondary image-forming phase-difference detection system with AF-dedicated sensor
	Via live view on LCD screen:
	Contrast detection AF
AF System/ Points	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)
	Via live view LCD screen:
	EV 1 -18 (at room temperature & ISO100)
AF Modes	Via optical viewfinder:
	AI Focus (Switches between One-Shot AF and AI SERVO AF automatically)
	One Shot AF
	AI Servo
	Manual
	Via live view LCD screen:
	One Shot AF (Contrast detect AF)
	Quick Mode (via phase detection AF sensor)
	Manual
AF Point Selection	Via optical viewfinder:
	Automatic selection from up to 9 points
	Manual selection
	Via live view on LCD screen:
	FlexiZone - Freely position 1 AF point via manual selection
	Live Mode - Automatic selection with face detection
Selected AF point display	Indicated by superimposed display in the viewfinder and on the LCD monitor
Predictive AF	Yes
AF Lock	Locked when shutter button is pressed half way in One Shot AF mode.
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
	Via live view on LCD screen:
	Evaluative metering (315 zones)
Metering Range	Via optical viewfinder:
	EV 1-20 (at room temperature, ISO 100, evaluative metering)
	Via live view on LCD screen:
	EV 0-20 (at room temperature, ISO 100, evaluative metering)
AE Lock	Auto: In 1-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 +/- 2 EV, 1/2 or 1/3-stop increments
ISO Sensitivity	AUTO(100-6400), 100-6400 in 1-stop increments
	ISO can be expanded to H: 12800 [8]
	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
Settings	AWB (Ambience priority, White priority), Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom (Approx. 2000 K - 10000 K).
	White balance compensation:
	Blue/Amber +/-9
	Magenta/ Green +/-9.
Custom White Balance	Yes, 1 setting can be registered
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 (Vertical/Horizontal)	Approx. 95%
Magnification	Approx. 0.80x [4]
Eyepoint	Approx. 21mm (from eyepiece lens center)
Dioptre Correction	-2.5 to +0.5 m-1 (dioptre)
Focusing Screen	Fixed
Mirror	Quick-return half mirror
Depth of field preview	Yes, assigned to SET button
Eyepiece shutter	On strap

LCD MONITOR
Type	7.5 cm (3.0") TFT, approx. 920 K dots
Coverage	Approx. 100%
Viewing Angle (horizontally/vertically)	Approx. 170°
Brightness Adjustment	Adjustable to one of seven levels
Display Options	Quick Control Screen
	Camera settings

TECHNICAL SPECIFICATIONS

EOS 2000D

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
Red-Eye Reduction	Yes - with red eye reduction lamp
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 [32]
External Flash Control	Available via camera menu screen, except for wireless radio flash shooting settings

SHOOTING

Modes	Scene Intelligent Auto, No Flash, Creative Auto, Portrait, Landscape, Close-up, Sports, Food, Night Portrait, Movie, Program AE , Shutter priority AE, Aperture priority AE, Manual
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 36 lens profiles can be registered in camera) Creative filters (Grainy B/W, Soft focus, Toy camera, Miniature effect, Fish-eye) - during image Playback only
Drive modes	Single, Continuous, Self timer (2s, 10s, 10s + continuous shots 2-10)
Continuous Shooting	Max. Approx. 3 fps for approx. 150 JPEG images [1], 11 images RAW [2] [10]

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
RAW+JPEG simultaneous recording	Yes, RAW + Large JPEG
Image Size	JPEG 3:2: (L) 6000 x 4000, (M) 3984 x 2656, (S1) 2976 x 1984, (S2) 1920 x 1280, (S3) 720 x 480 JPEG 4:3: (L) 5328 x 4000, (M) 3552 x 2664, (S1) 2656 x 1992, (S2) 1696 x 1280, (S3) 640 x 480 JPEG 16:9: (L) 6000 x 3368, (M) 3984 x 2240, (S1) 2976 x 1680 (S2) 1920 x 1080, (S3) 720 x 408 JPEG 1:1: (L) 4000 x 4000, (M) 2656 x 2656, (S1) 1984 x 1984, (S2) 1280 x 1280, (S3) 480 x 480 RAW: (RAW) 6000 x 4000
Movie Type	MOV (Video: H.264 inter frame (IPB), Sound: Linear PCM, recording level can be manually adjusted by user)
Movie Size	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
Folders	New folders can be manually created and selected
File Numbering	Consecutive numbering Auto reset Manual reset

OTHER FEATURES

Custom Functions	11 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	(1) Shooting menu (x4) (2) Playback menu (x2) (3) Setup menu (x3) (4) 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
GPS	Compatible with GPS receiver GP-E2
Firmware Update	Update possible by the user.

INTERFACE

Computer	Hi-Speed USB
Wi-Fi	Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only) [17] Connectivity to Smart devices is possible via Canon Camera Connect app [34]
Wi-Fi Security	Camera Access Point: WPA2-PSK with AES encryption or open Infrastructure: Shared key, with WEP encryption, WPA-PSK/WPA2-PSK with TKIP/AES encryption or open
NFC	NFC connectivity is possible only with compatible Canon or Android devices.
Other	HDMI mini (Type-C) output

DIRECT PRINT

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

STORAGE

Type	SD card, SDHC card or SDXC card

SUPPORTED OPERATING SYSTEM

PC & Macintosh	Windows 10 / 8.1 / 7 SP1 [24] Mac OS X 10.10 - 10.13

SOFTWARE

Image Processing	Digital Photo Professional (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 [34]

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TECHNICAL SPECIFICATIONS

EOS 2000D

POWER SOURCE

Batteries — 1 x Rechargeable Li-ion Battery LP-E10

Battery life — Approx. 500 (at 23°C, AE 50%, FE 50%) [5]
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
Compact power adaptor CA-PS700, DC coupler DR-E10

PHYSICAL SPECIFICATIONS

Body Materials — Polycarbonate resin with glass fibre & special conductive fibre

Operating Environment — 0 – 40 °C, 85% or less humidity

Dimensions (WxHxD) — 129.0 x 101.3 x 77.6mm

Weight (body only) — Approx. 475 g (CIPA testing standard, including battery and memory card)

ACCESSORIES

Viewfinder — Eyecup Ef
Rubber Frame Ef
E-series Dioptric 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 (270EX II, 430EX III-RT, 600EX II-RT, Macro-Ring-Lite MR-14EX II, Macro Twin Lite MT-26EX-RT, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT) [32]

Remote Controller/ Switch — Remote Switch RS-60E3,
Timer Remote Controller TC-80N3 via Remote Controller Adapter RA-E3

Other — Hand Strap E2, GPS Receiver GP-E2, HDMI Cable HTC-100, Interface Cable IFC400PCU

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.

[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

[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

[17] Wi-Fi use may be restricted in certain countries or regions.

[24] Software applications compatible with Windows 10 in Windows 10 Desktop Mode only

[32] 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.

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

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