TECHNICAL SPECIFICATIONS

EOS 200D

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

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: Dual Pixel CMOS AF System. Phase detection pixels built onto imaging sensor [20]
AF System/ Points	Via optical viewfinder: 9 points Center AF point is AF cross-type supporting f/5.6. Center AF point is vertical line-sensitive supporting f/2.8. Other AF points is vertical line-sensitive or horizontal line-sensitive AF supporting f/5.6. [11] Via Live View 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 -0.5 - 18 (center AF point) [30] EV 0.5 - 18 (other AF points) [30] Via Live View 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)
AF Point Selection	Via optical viewfinder: Automatic selection: 9 point AF Manual selection: Single point 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: 63 zone dual-layer metering sensor with Evaluative, partial, spot (centre only) and centre-weighted average available Via Live View 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 50 mm f/1.4 lens ISO 100) Via Live View 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 +/-2 EV 1/3 or 1/2 stop increments
ISO Sensitivity [8]	Auto (100-25600), 100-25600 (in 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
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. 0.87x [4]
Eyepoint	Approx. 19 mm (from eyepiece lens centre)
Dioptre Correction	-3 to +1 m-1 (dioptre)
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 600 mm f/4 IS USM or shorter)

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TECHNICAL SPECIFICATIONS

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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, 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 (horizontally/vertically)	Approx. 170°
Brightness Adjustment	Adjustable to one of seven levels
Display Options	(1) Quick Control Screen (2) Camera settings

FLASH

Built-in Flash GN (ISO 100, meters)	9.8
Built-in Flash Coverage	up to 18 mm focal length (35 mm equivalent: approx. 29 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	1/200 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, SCN(Portrait, Landscape, Close-up, Sports, 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), Self Portrait
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, Water painting effect, Toy camera effect, Miniature effect, HDR art standard, HDR art vivid, HDR art bold, HDR art embossed) Multi-exposure
	Resize, Crop (JPEG only)

Drive modes	Single, Continuous L, Continuous H, Self timer (2s+remote, 10s +remote)
Continuous Shooting	Max. Approx. 5fps.

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,

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	RAW, RAW + L possible.
Image Size	JPEG 3:2: (L) 6000 x 4000, (M) 3984 x 2656, (S1) 2976 x 1984, (S2) 2400x1600, JPEG 4:3: (L) 5328x4000, (M) 3552x2664, (S1) 2656x1992, (S2) 2112x1600, JPEG 16:9: (L) 6000x3368, (M) 3984x2240, (S1) 2976x1680, (S2) 2400x1344, JPEG 1:1: (L) 4000x4000, (M) 2656x2656, (S1) 1984x1984, (S2) 1600x1600, RAW: (RAW) 6000x4000
Movie Type	MP4 (Video: H.264 inter frame, Sound: Linear PCM / AAC, recording level can be manually adjusted by user) MOV (Video: H.264 All-I Full HD, no sound) – time-lapse movie only
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
Folders	New folders can be manually created and selected
File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset

OTHER FEATURES

Custom Functions	11 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

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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	Menu interface adjustable by the user between standard and guided (1) Shooting menu (2) Playback menu (3) Setup menu (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.

INTERFACE

Computer	Hi-Speed USB
Wi-Fi	Wi-Fi (2.4GHz) Channels: IEEE802.11b, IEEE802.11g, IEEE802.11n
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
Bluetooth	BLE (Bluetooth Low Energy Technology)
NFC	Included
Other	Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible), External microphone (3.5 mm 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)

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. 650 (at 23°C, AE 50%, FE 50%) [5] Viewfinder: Approx. 620 (at 0°C, AE 50%, FE 50%) Live View: Approx. 260 (at 23°C, AE 50%, FE 50%) Live View: Approx. 240 (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)	122.4 x 92.6 x 69.8 mm
Weight (body only)	Black: Approx. 453g Silver: Approx. 454g White: Approx. 456g (CIPA testing standard, including battery and memory card)

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ACCESSORIES

Viewfinder	Eyecup Ef Rubber Frame Ef E-series Dioptric Adjustment Lenses Eyepiece Extender EP-EX15II Magnifier MG-Ef Angle Finder C
Wireless File Transmitter	Built in Wi-Fi transmission with Bluetooth and NFC 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
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 BR-E1, Timer Remote Controller TC-80N3 via Remote Controller Adapter RA-E3
Other	Hand Strap E2, GP-E2, Directional Stereo Microphone DM-E1, Protecting Cloth PC-E1, PC-E2, HDMI Cable HTC-100, Interface Cable IFC400PCU, IFC-200U/500U

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.

[3] Compatible with large memory card capacities, including cards of 2GB and more (camera may require firmware update).

[4] with 50 mm 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

[6] Memory card and battery door only

[7] with EF300 mm f/2.8L IS USM at 50kph

[8] Recommended Exposure Index

[9] Environmental protection

[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 35-80 mm f4-5.6 (II/III/USM), EF35-105 mm f4.5-5.6 (USM). EF 80-200 mm f4.5-5.6 (II)

[12] With Battery strength 75% or higher

[13] Viewfinder Information

[14] Hybrid CMOS AF III covers an area of approx. 80% Vertical x 70% Horizontal of the frame

[15] Maximum number of AF frame is dependent on selected image aspect ratio

[16] Sustained continuous shooting function requires compatible SDHC/SDXC UHS Speed Class 1 memory card, total number of frames captured varies depending on camera settings, type of lens used, battery charge and light level. Shooting stops automatically with the 1000th frame

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

[18] Hybrid CMOS AF II covers an area of approx. 80% Vertical x 70% Horizontal of the frame

[19] Maximum burst during continuous shooting are measured based on Canon's testing standards (3:2 aspect ratio, ISO 200 and Standard Picture Style)

[20] Dual Pixel CMOS AF - AF is possible over an area of approx. 80% Vertical x 80% Horizontal of the frame

[21] Continuous shooting speed is measured with EF-M 15-45 mm f/3.5-6.3 IS STM and requires SDHC/SDXC UHS Speed Class 1 memory card. Total number of frames captured and continuous shooting speed may vary depending on camera exposure settings, type of lens used, battery level, light level and memory card used.

[22] Continuous shooting speed is measured with EF-M 15-45 mm f/3.5-6.3 IS STM and requires SDHC/SDXC UHS Speed Class 1 memory card. Under Servo AF, maximum continuous shooting speed depends on subject condition and lens used

[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

[27] When battery is fully charged

[28] Maximum continuous shooting speed with 1/500 sec. or faster shutter speed,

[29] Following lenses are not compatible with in-camera digital stabilisation: EF 50 mm f/1.2L USM, EF 85 mm f/1.2L II USM, EF 200 mm f/2L IS USM, EF 300 mm f/2.8L II IS USM, EF 400 mm f/2.8L IS II USM, EF 500 mm f/4L II IS USM, EF 600 mm f/4L IS II USM, EF 800 mm f/5.6L II IS USM and EF 200-400 mm f/4L IS USM

[30] With One-Shot AF, at 23°C/73°F, ISO 100, Based on Canon's testing standards and environment)

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

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