EOS 250D

CAPTURE BEAUTIFUL MEMORIES. WITH A CLICK.

A superb choice for anyone stepping up from their smartphone or compact camera, this highly portable DSLR is easy and enjoyable to use and lets budding photographers take a more creative approach with photos and video of life's big moments.

- 24.1-megapixel APS-C sensor and DIGIC 8 processor

- Optical viewfinder

- 4K movies

- Dual Pixel CMOS AF

- Vari-angle screen

- Guided user interface helps you learn

- Bluetooth®*** and Wi-Fi

- Creative Assist

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24.1 MEGA PIXELS CMOS

Dual Pixel CMOS AF

Optical Viewfinder

DiG!C 8

Creative Assist

3.0" LCD Vari-angle

PRODUCT RANGE

EOS 800D

EOS 250D

EOS 4000D

EOS 800D
EOS 250D
EOS 4000D
EOS 2000D

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TECHNICAL SPECIFICATIONS

EOS 250D

IMAGE SENSOR

Type	22.3 mm x 14.9 mm CMOS
Effective Pixels	Approx. 24.10 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 8

LENS

Lens Mount	EF mount
Focal Length	Approx. 1.6x the focal length of the lens
Image Stabilisation	Optical Image Stabilizer on compatible lenses

FOCUSING

Type	Via optical viewfinder: TTL secondary image-forming phase-difference detection system with AF-dedicated sensor. Via LiveView on LCD screen: Dual Pixel CMOS AF System. Phase detection pixels built onto imaging sensor [20]
AF System/ Points	Via optical viewfinder: 9-point 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 are vertical line-sensitive or horizontal line-sensitive AF supporting f/5.6. [11] Via LiveView on LCD screen: Maximum 143 AF points via camera automatic selection [15] Freely position 1 AF point/1 AF Zone max 3,975 points 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 LiveView on LCD screen: EV -4 – 18 (f/1.2 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)	
AF Lock	Locked when shutter button is pressed half way in One-Shot AF mode or AF-ON Button is pressed.
AF Assist Beam	Emitted by optional dedicated Speedlite
Manual Focus	Selected on lens
Focus Bracketing	
AF Micro adjustment	

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 LiveView on LCD screen: (1) Evaluative metering (384 zones) (2) Partial metering (approx. 5.5 % of LCD screen) (3) Spot metering (approx. 3.7 % 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 LiveView on LCD screen: EV -2 – 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. 4K Movie Max. 6400

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)
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, Image information: Card information, maximum burst (1 digit display), Highlight tone priority (D+). Composition information: Grid, Aspect Ratio. Other information: Warning icon.
Depth of field preview	Yes, with Depth of Field preview assigned to a button via Custom Function.
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°
Coating	
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. 29mm)
Built-in Flash recycle time	Approx. 3 seconds
Modes	Auto, Manual flash
Red-Eye Reduction	
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

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TECHNICAL SPECIFICATIONS

EOS 250D

SHOOTING	
Modes	Scene Intelligent Auto (Stills and Movie), Creative Auto, SCN(Portrait, Landscape, Close-up, Sports, Group Photo, Night Portrait, Smooth Skin, Group Photo, Handheld Night Scene, HDR Backlight Control, Food, Kids, Candlelight), Creative filters, Program AE, Shutter priority AE, Aperture priority AE, Manual (Stills and Movie)
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 (3 settings) 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 Digital Lens Optimizer 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. 5 fps.
Intervalometer	
LIVE VIEW MODE	
Type	
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 2.31 [Exif Print] compliant) / Design rule for Camera File system (2.0) RAW: 14bit, Canon original RAW 3rd edition Digital Print Order Format [DPOF] Version 1.1 compliant
RAW+JPEG simultaneous recording	RAW, RAW + JPEG (any combination) 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	3840 x 2160 (23.98, 25 fps) inter-frame 1920 x 1080 (59.94, 50 fps) inter-frame 1920 x 1080 (29.97, 25 fps) inter-frame 1920 x 1080 (29.97, 25 fps) lite inter-frame 1280 x 720 (59.94, 50 fps) inter-frame
Movie Length	Max duration 29min 59sec
Sound Files	
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	
Water/ Dust resistance	
Sound Memo	
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
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)
Data Verification	
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	29 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, Japanese, Vietnamese, Hindi, Malay, Indonesian
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)

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TECHNICAL SPECIFICATIONS

EOS 250D

NFC	
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	See individual software
SOFTWARE	
Browsing & Printing	
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. 1070 (at 23°C, AE 50%, FE 50%) (5) Viewfinder: Approx. 1020 (at 0°C, AE 50%, FE 50%) LiveView: Approx. 320 (at 23°C, AE 50%, FE 50%) LiveView: Approx. 300 (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	Battery charger LC-E17E
PHYSICAL SPECIFICATIONS	
Body Materials	Chassis: Aluminium alloy and polycarbonate resin with glass fibre Exterior: Polycarbonate resin with glass fibre and special conductive fibre
Operating Environment	0 – 40 °C, 85% or less humidity
Dimensions (WxHxD)	122.4 x 92.6 x 69.8mm
Weight (body only)	Black / Silver: Approx. 449g White: Approx. 451g (CIPA testing standard, including battery and memory card)
ACCESSORIES	
Viewfinder	Eyecup Ef Rubber Frame Ef E-series Dioptric Adjustment Lenses Eyepiece Extender EP-EX15II Magnifier MG-Ef Angle Finder C
Case	
Wireless File Transmitter	
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) [30]
Battery Grip	
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, GPS Receiver GP-E2, Directional Stereo Microphone DM-E1, Protecting Cloth PC-E1, PC-E2, HDMI Cable HTC-100, Interface Cable IFC400PCU, IFC-200U/500U

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

[4] with 50mm lens at infinity, -1m-1 dpt

[11] Peripheral Cross type AF points will not function as a cross type AF points with the following lenses: EF 35-80mm f4-5.6 (II/III/USM), EF35-105mm f4.5-5.6 (USM). EF 80-200mm f4.5-5.6 (II)

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

[20] Dual Pixel CMOS AF - AF is possible over an area of approx. 80% Vertical x 80% Horizontal of the frame or 100% vertical x 88% horizontal, depending on lens used

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

What's in the box?

EOS 250D BLACK EF-S18-55mm f/4-5.6 IS STM

- Digital Camera EOS 250D body Black
- Eyecup EF
- Camera Cover R-F-3
- Neck Strap EW-400D-N
- Battery Pack LP-E17
- Battery Charger LC-E17E
- Power Cable
- EF-S18-55mm f/4-5.6 IS STM
- Lens Cap E-58II
- Lens Dust Cap E
- User Manual Kit

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