

Specifications

Type

Digital, AF/AE single-lens reflex camera with built-in flash

Recording Media

SD/SDHC/SDXC card, via external media (USB v.2.0 hard drive, or via Wireless LAN (Eye-Fi card*))
*Canon cameras are not guaranteed to support Eye-Fi card functions, including wireless transfer. In case of an issue with the Eye-Fi card, please consult with the card manufacturer. The use of Eye-Fi cards may not be approved in all regions, or from one region to another; please contact the card manufacturer for status of approval in the country/region of use.

Image Format

Approx. 22.3mm x 14.9mm

Compatible Lenses

Canon EF lenses including EF-S lenses
(35mm-equivalent focal length is approx. 1.6x the lens focal length)

Lens Mount

Canon EF mount

Collapse All

Image Sensor	
Type	High-sensitivity, high-resolution, large single-plate CMOS sensor
Pixels	Effective pixels: Approx. 18.00 megapixels Total pixels: Approx. 18.70 megapixels
Pixel Unit	4.3 μm square
Aspect Ratio	3:2 (Horizontal : Vertical)
Color Filter System	RGB primary color filters
Low Pass Filter	Fixed position in front of the CMOS sensorFluorine coating on the top surface.
Dust Deletion Feature	(1) Manual cleaning (2) Dust Delete Data acquisition and appending The coordinates of the dust adhering to the low-pass filter are detected by a test shot and appended to subsequent images.The dust coordinate data appended to the image is used by the provided software to automatically erase the dust spots.Self Cleaning Sensor Unit not included.
Recording System	
Recording Format	Design rule for Camera File System 2.0 and Exif 2.30
File Size	(1) Large: Approx. 17.90 Megapixels (5184 x 3456) (2) Medium: Approx. 8.00 Megapixels (3456 x 2304) (3) Small 1: Approx. 4.50 Megapixels (2592 x 1728) (4) S2: Approx. 2.50 Megapixels (1920 x 1280) (5) S3: Approx. 0.35 Megapixels (720 x 480) (6) RAW: Approx. 17.90 Megapixels (5184 x 3456) Exact file sizes depend on the subject, ISO speed, Picture Style, etc.
File Numbering	Consecutive numbering, auto reset, manual reset
RAW + JPEG Simultaneous Recording	Provided (RAW + JPEG)
Color Space	sRGB, Adobe RGB
Picture Style	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3
White Balance	
Auto White Balance	Auto white balance with the image sensor
	White balance correction: ±9 levels White balance bracketing: ±3 levels in single-level increments Blue/amber direction or magenta/green direction possible
Color Temperature Information Transmission	Provided
Viewfinder	
Type	Eye-level SLR (with fixed pentamirror)
Coverage	Vertical/Horizontal approx. 95%
Magnification	Approx. 0.8x / 22.4° (with 50mm lens at infinity, -1 m ⁻¹ (dot))

	Approx. 200/ 4.4 ft (intercommensurate with 1/100)
Eye Point	Approx. 21 mm (At -1m ⁻¹ from the eyepiece lens center)
Dioptric Adjustment Correction	Adjustable from approx. -2.5 to +0.5 m ⁻¹ (dpt)
Focusing Screen	Fixed
Mirror	Quick-return half mirror (transmission: reflection ratio of 40:60)
Viewfinder Information	1) AF information (AF points, focus confirmation light) 2) Exposure information (Shutter speed, aperture, ISO speed, AE lock, Exposure level, exposure warning) 3) Flash information (Flash ready, flash exposure compensation, high-speed sync, FE lock, red-eye reduction light) 4) Image information (Highlight tone priority, Monochrome shooting, maximum burst, white balance correction, SD card information)
Depth Of Field Preview	No depth-of-field preview button (Enabled with C.Fn 9-4)

Autofocus

Type	TTL CT CIB AF dedicated CMOS sensor
AF Points	9-point AF (f/5.6 cross-type AF point at center)
AF Working Range	Center AF Point: EV 0 - 18 (at 73°F/23°C, ISO 100) Other AF Points: EV 1 - 18 (at 73°F/23°C, ISO 100)
Focusing Modes	(1) Autofocus - One-Shot AF - Predictive AI Servo AF - AI Focus AF (Switches between One-Shot AF and AI Servo AF automatically) (2) Manual focus (MF)
AF Point Selection	(1) Manual selection (2) Auto selection
Selected AF Point Display	Indicated by superimposed display in the viewfinder and on the LCD monitor
AF Assist Beam	1) Intermittent firing of built-in flash. 2) Effective range: Approx. 4 m/13.1 ft at center, approx. 3.5 m/11.5 ft at periphery. With an EOS-dedicated Speedlite attached, the Speedlite's AF-assist beam is emitted instead.Compatible with 320EX, 270EX II and 270EX AF-assist beam (intermittent flash firing).

Exposure Control

Metering Modes	63-zone SPC TTL metering with selectable modes Evaluative metering (linkable to all AF point)Partial metering (approx. 10% of viewfinder at center)Center-weighted average metering
Metering Range	EV 1.0 - EV 20.0 (at 73°F/23°C with EF50mm f/1.4 USM lens, ISO 100)
Exposure Control Systems	Creative Zone modes (1) Program AE (program-shift possible) (2) Shutter-priority AE (3) Aperture-priority AE (4) Manual exposure (including bulb) Basic Zone modes (1) Scene Intelligent Auto (Program AE, non-shiftable) (2) Creative Zone (3) Creative Auto (4) Portrait (5) Landscape (6) Close-up (7) Sports (8) Night Portrait
ISO Speed Range	^{*1} : 1 ISO 800 for Bulb exposures. ^{*2} : Depends on the maximum ISO speed that has been set. ^{*3} : If fill-flash results in overexposure, ISO 100 is set. ^{*4} : When the maximum ISO speed is ISO 400, the speed is fixed at ISO 400. ^{*5} : If a bounce flash with an external Speedlite flash is used in Basic Zone modes (except Night Portrait) or P mode, the ISO speed is automatically set between ISO 800-1600 in accordance with the brightness.
Exposure Compensation	(1) Manual: ±5 stops in 1/3- or 1/2-stop increments(2) AEB : ±2 stops in 1/3- or 1/2-stop increments
AE Lock	Auto AE Lock: Applied in One-Shot AF mode with evaluative metering when focus is achieved. Manual: By AE lock button in P, Tv and Av modes

Shutter

Type	Vertical-travel, mechanical, focal-plane shutter with all speeds electronically controlled. Electronic 1st curtain. Only 2nd curtain mechanically controlled.
Shutter Speeds	1/4000 to 30 sec., Bulb (Total shutter speed range. Available range varies by shooting mode.); X-sync at 1/200 sec.Settable in 1/3- or 1/2-stop increments.
Shutter Release	Soft-touch electromagnetic release
Self Timer	10-sec. or 2-sec. delay

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Shutter Lag Time	(1) During SW-1 ON, time lag between SW-2 ON and start of exposure: Approx. 0.12 sec. (2) Time lag between simultaneous SW-1/SW-2 ON and start of exposure: Approx. 0.24 sec. Time lag with the aperture stopped down by 3 stops or less. Excludes AF operation time.
Remote Control	Compatible with Remote Switch RS-60E3. Also has an infrared remote control sensor.

Built in Flash

Type	Auto pop-up, retractable, built-in flash in the pentamirror
Flash Metering System	E-TTL II autoflash (Evaluative, Average), FE lock
Guide Number	Approx. 9.2/30.2 (at ISO 100 in meters/feet)
Recycling Time	Approx. 2 sec.
Flash Ready Indicator	Flash-ready icon lights in viewfinder
Flash Coverage	Up to 17mm focal length (equivalent to approx. 28mm in 135 format)
FE Lock	Provided

External Speedlite

Flash Metering	E-TTL II autoflash (evaluative flash metering and average flash metering), FE lock
Flash Exposure Compensation	±2 stops in 1/3-stop or 1/2-stop increments

Drive System

Drive Modes	(1) Single shooting (2) Continuous shooting (3) 10-sec. self-timer (4) 2-sec. self-timer (5) Continuous shooting after 10-sec. self-timer (2 to 10 shots)
Continuous Shooting Speed	JPEG & RAW: Max. approx. 3.0 fps
Maximum Burst	(1) JPEG: 69 shots (2) RAW: 6 shots (3) RAW+JPEG: 4 shots When the image-recording quality is JPEG, continuous shooting is possible until the memory card becomes full. * Based on Canon's testing standards with a 8GB test card (3:2 aspect ratio, ISO 100 and Standard Picture Style)

Live View Functions

Shooting Modes	Still photo shooting and video shooting
Focusing	1) Autofocus - FlexiZone-Single - Face Detection Live mode - Quick mode 2) Manual Focus
Metering Modes	Real-time Evaluative metering with image sensor
Metering Range	EV 0 to EV 20 (At 23°C/73°F, ISO 100)
Grid Display	(1) Grid 1: Pair of vertical and horizontal lines (2) Grid 2: 5 vertical and 3 horizontal lines
Exposure Simulation	Provided
Silent Shooting	Not provided

Video Shooting

File Format	MOV (image data: H.264; audio: Linear PCM (monaural))
File Size	[Full HD] 1920 x 1080 (30 fps/25 fps/24 fps): 330 MB/min. [HD] 1280 x 720 (60 fps/50fps): 330 MB/min. [SD] 640 x 480 (30 fps/25fps): 82.5 MB/min. * If the file size exceeds 4GB, a new file will be automatically created. ** SD Class 6 or higher required.

Frame Rates	1920 x 1080 (Full HD): 30p (29.97) / 24p (23.976) / 25p 1280 x 720 (HD): 60p (59.94) / 50p 640 x 480 (SD): 30p (29.97) / 25p
Continuous Shooting Time	Approx. 29 min. 59 sec.
Focusing	Autofocus: FlexiZone-Single, Quick mode, Face Detection Live mode; manual
Exposure Control	(1) Program AE for movie shooting * Shutter speed 1/30 - 1/4000 sec. (signal accumulation time), aperture and ISO speed automatically set (2) Manual Exposure The ISO speed, aperture, and shutter speed (signal-accumulation time ranging from 1/30 sec. to 1/4000 sec.) are set manually.
Exposure Compensation	± 3 stops in 1/3-stop increments
LCD Monitor	
Type	TFT color, liquid-crystal monitor
Monitor Size	3.0-inch (Screen aspect ratio of 4:3)
Pixels	Approx. 460,000 dots
Coverage	Approx. 100%
Brightness Control	Adjustable to one of seven brightness levels
Coating	None
Interface Languages	25 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Hungarian, Czech, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean and Japanese)
Playback	
Display Format	(1) Single image displaySingle image, basic information, detailed information, histogram display (2) Index display 4-image index and 9-image index. (3) Jump display (Image jump w/ Main Dial) 1/10/100 images, shooting date, by folder, movies, stills, rating
Highlight Alert	On the detailed information and histogram displays, highlight areas with no image data will blink.
Quick Control Function	
Items	When you press the Quick Control button under the following conditions, you can set the functions below (The settable functions depend on the shooting mode): (1) With viewfinder shooting: Shutter speed, aperture, ISO speed, exposure compensation, AEB, flash exposure compensation, Picture Style, white balance, Auto Lighting Optimizer, raise built-in flash, AF mode, drive mode, metering mode, and image-recording quality. (2) With Live View shooting: AF mode, drive mode, white balance, Picture Style, Auto Lighting Optimizer, image-recording quality, ISO speed and raise built-in flash (with C.Fn). (3) With movie shooting: AF mode, white balance, Picture Style, and Auto Lighting Optimizer.
Image Protection and Erase	
Protection	Erase protection can be applied/canceled for a single image, all images in a folder, or all images in the card.
Erase	Erase single image, erase selected images, erase all images on folder, erase all images in a card, or erase only unprotected images.
Direct Printing	
Compatible Printers	PictBridge-compatible printers
Printable Images	JPEG images complying to Design rule for Camera File System RAW images printable.Movies cannot be printed.
DPOF: Digital Print Order Format	
DPOF	Version 1.1 compatible
Customization	
Custom Functions	11 Custom Functions with 33 settings settable with the camera
Custom Controls	Customize the camera's controls to suit your shooting style

Custom Controls	Not Provided
Camera User Settings	Not provided
My Menu Registration	Up to six top-tier menu options and Custom Function settings can be registered.

Interface

USB Terminal	Hi-Speed USB-standard mini-B terminal for personal computer communications and PictBridge. 1) Type C (Switches automatically to suit the resolution) 3 / 0 / 30p 2) Type C (Switches automatically to suit the resolution) 3 / 0 / 30p * Switches automatically to 1, 2, 3, or 4 to suit the TV.
Extension System Terminal	Compatible with Remote Switch RS-60E3
Gigabit-Ethernet	Compatible (*Canon cameras are not guaranteed to support Eye-Fi card functions, including wireless transfer. In case of an issue with the Eye-Fi card, please consult with the card manufacturer. The use of Eye-Fi cards may not be approved in all regions, or from one region to another; please contact the card manufacturer for status of approval in the country/region of use.)

Power Source

Battery	Battery Pack LP-E10 x 1* With the AC Adapter Kit ACK-E10, AC power is possible.
Battery Life	Number of shots (approx.)
Battery Check	Automatic battery level check when power is turned ON.Battery level indicated in one of four levels on LCD monitor.
Power Saving	Provided. Power turns off after 1, 2, 4, 8, 15 min.
Date/Time Battery	Built-in secondary battery. When fully-charged, the date/time can be maintained for about three months. * Recharge time for backup battery: Approx. 8 hours
Start-up Time	Approx. 0.1 sec. (Based on CIPA testing standards)

Dimensions and Weight

Dimensions (W x H x D)	Approx. 5.10 (W) x 3.93 (H) x 3.07 (D) in./ Approx. 129.6 (W) x 99.7 (H) x 77.9 (D) mm
Weight	Approx. 16.93 oz. / 480g (CIPA Standard) Approx. 15.34 oz. / 435g (Body only)

Operating Environment

Working Temperature Range	32-104°F/0-40°C 85% or lessAll data are based on Canon's Standard Test Method. Subject to change without notice. If a problem occurs with a non-Canon lens attached to the camera, consult the lens maker. Canon, DIGIC and EOS Rebel are registered trademarks of Canon Inc. in the United States and may also be registered trademarks or trademarks in other countries. Microsoft, Windows and Windows Vista are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Mac is a trademark of Apple, Inc., registered in the United States and other countries. HDMI, the HDMI logo and High-Definition Multimedia Interface are registered trademarks or trademarks of HDMI Licensing, LLC in the United States and/or other countries. All other products and brand names are registered trademarks, trademarks or service marks of their respective owners in the United States and/or other countries.
Working Humidity Range	