Specifications
EOS 30D

Type

Type	Digital AF/AE SLR
Recording Medium	CompactFlash (CF) Card Type I & II
Image Format	0.89 x 0.59 in./22.5 x 15.0mm (APS-C size sensor)
Compatible Lenses	Canon EF lenses (including EF-S lenses)
Lens Mount	Canon EF mount
Lens Focal Length Conversion Factor*	1.6x

Image Sensor

Type	High-sensitivity, high-resolution, single-plate, CMOS sensor
Pixels	Approx. 8.20 megapixels
Total Pixels	Approx. 8.50 megapixels
Aspect Ratio	3:2 (Horizontal : Vertical)
Color Filter System	RGB primary color filters
Low-pass Filter	Fixed position in front of the CMOS sensor

Recording System

Recording Format	JPEG, RAW and RAW+JPEG simultaneous recording provided. The RAW and JPEG images are saved as separate files in the CF card.
Image Format	JPEG, RAW, Canon .CR2
File Size	(1) Large/Fine: Approx. 3.6MB (3,504 x 2,336) (2) Large/Normal: Approx. 1.8MB (3,504 x 2,336) (3) Medium/Fine: Approx. 2.2MB (2,544 x 1,696) (4) Medium/Normal: Approx. 1.1MB (2,544 x 1,696) (5) Small/Fine: Approx. 1.2MB (1,728 x 1,152) (6) Small/Normal: Approx. 0.6MB (1,728 x 1,152) (7) RAW: Approx. 8.7MB (3,504 x 2,336)
Folders	Automatic folder creation/selection; up to 9,999 images per folder (new folder can be created with Manual reset option at any time)
File Numbering	(1) Continuous numbering (2) Auto reset (3) Manual reset (new folder created, with file numbering reverting to 0001)
Color Space	Selectable between sRGB and Adobe RGB
Interface	USB 2.0 Hi-Speed, NTSC/PAL for video output

White Balance

Settings	Auto, Preset (Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash), Manual (Custom, or user-set Color Temperature)
Auto White Balance	Auto white balance with the image sensor
Color Temperature Compensation	White balance bracketing: +/- 3 stops in 1-stop increments White balance correction: blue/amber bias +/- 9 magenta/green bias +/- 9 levels

When blue/amber bias and magenta/green bias set with White balance correction, white balance bracketing cannot be set to more than +/- 9 levels

Viewfinder

Type	Eye-level SLR with fixed pentaprism
Coverage	Approx. 95% horizontally and vertically (coverage against JPEG Large)
Magnification	0.9x (-1 dpt with 50mm lens at infinity)
Eyepoint	Approx. 20mm
Dioptric Adjustment Correction	-3.0 to +1.0 diopter
Focusing Screen	Fixed, Precision Matte screen (non-interchangeable)
Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with lenses up to EF 600mm f/4L USM)
Viewfinder Information	AF (AF points, focus confirmation light), Exposure (shutter speed, aperture, spot metering circle, exposure level, AE lock, exposure compensation, AEB level, bulb, ISO speed), Flash (flash ready, red-eye reduction lamp on, high-speed sync, FE lock, FEB shooting, flash exposure compensation, insufficient flash warning during FE lock), White balance correction, Maximum burst, CF card full warning, CF card error warning, No CF card warning
Depth-of-Field Preview	Enabled with depth-of-field preview button (with Speedlite 580EX, 430EX, MR-14EX or MT-24EX; pressing the depth-of-field preview button fires a modeling flash)
Eyepiece Shutter	None (eyepiece cover provided on strap)

Autofocus

Type	TTL-CT-SIR AF-dedicated CMOS sensor
AF Points	9 AF points
AF Working Range	EV -0.5-18 (ISO 100 at 68°F/20°C)
Focusing Modes	Autofocus: One-Shot AF, Predictive AI Servo AF, AI Focus AF (automatic switching between One-Shot/Predictive AI Servo AF); Manual Focus (MF)
AF Point Selection	Automatic selection, Manual selection
Selected AF Point Display	Superimposed on viewfinder and LCD panel
AF-assist Beam	Intermittent firing of built-in flash (must be manually raised in P, Tv, Av, M and A-DEP Exposure modes)

Exposure Control

Metering Modes	Max. aperture TTL metering with 35-zone SPC (1) Evaluative metering (linked to all AF points) (2) Partial metering (approx. 9% at center of viewfinder) (3) Spot metering (approx. 3.5% at center of viewfinder)(4) Center-weighted average metering
Metering Range	EV 1-20 (ISO 100 at 68°F/20°C with EF 50mm f/1.4 USM lens)
Exposure Control Systems	Program AE (shiftable), Shutter-priority AE, Aperture-priority AE, Auto Depth-of-field AE (non-shiftable), Full auto (non-shiftable), Programmed image control modes, Manual exposure, E-TTL II autoflash program AE
ISO Speed Range	Basic Zone: automatically set by the camera; Creative Zone: equivalent to ISO 100-1,600 (in 1/3-stop increments, ISO speed can be expanded to ISO 100-3,200)
Exposure	(1) User-set with multi-controller (2) AEB (Auto Exposure Bracketing)

Compensation	Bracketing range: +/- 2 stops in 1/3- or 1/2-stop increments
AE Lock	Auto: Applied in One-Shot AF mode with evaluative metering when focus is achieved User-set: Applied with AE lock button

Shutter

Type	Vertical-travel, mechanical, focal-plane shutter with all speeds electronically controlled
Shutter Speeds	1/8000 to 30 sec. (1/3- and 1/2-stop increments), X-sync at 1/250 sec. Shutter durability: Approx. 100,000 exposures
Shutter Release	Soft-touch electromagnetic release; shutter "lag time" approx. 65 msec.
Self-timer	10 sec. delay, 2 sec. delay with C.Fn-12-1 (mirror lockup)
Remote Control	Remote control with N3-type terminal

Built-in Flash

Type	Auto pop-up, retractable, built-in flash in the pentaprism
Guide Number	43 ft./13m (ISO 100)
Recycling Time	Approx. 3 sec.
Flash-ready Indicator	Flash-ready indicator lights in viewfinder
Flash Coverage	17mm lens focal length (equivalent to 27mm in 35mm format)
Flash Metering System	E-TTL II autoflash
Flash Exposure Compensation	+/-2 stops in 1/3- and 1/2-stop increments

External Speedlite

EOS External Flash or Dedicated Speedlites	E-TTL II autoflash with EX Series Speedlites
PC Terminal	Provided; not sensitive to flash polarity

Drive System

Drive Modes	Single, Continuous (high-speed approx. 5 fps / low-speed approx. 3 fps), Self-timer
Continuous Shooting Speed	High-speed approx. 5 fps / low-speed approx. 3 fps (at a shutter speed of 1/250 sec. or faster)
Max. Burst During Continuous Shooting	JPEG: high-speed approx. 30 frames (Large/Fine) RAW: high-/low-speed approx. 11 frames RAW+JPEG: high-/low-speed approx. 9 frames

LCD Monitor

Type	TFT color, liquid-crystal monitor
Screen Monitor size	2.5 in. diagonal with a viewing angle of approx. 170° vertically and horizontally
Pixels	Approx. 230,000 pixels
Coverage	100%
Brightness Control	5 levels provided

Playback

Image Display Format	Single image, 9-image index, Magnified zoom (approx. 1.5x to 10x), Auto play, Auto play right after shooting
Highlight Alert	In the single image (INFO) display mode, the areas with highlights containing no image information will blink

Image Protection and Erase

Protection	A single image can be protected or unprotected
Erase	A single image or all images stored in a CF card can be erased if they are unprotected
Direct Printing from the Camera	Enabled with the Print/Share button
Compatible Printers	CP and SELPHY Compact Photo Printers, PIXMA Photo Printers and PictBridge compatible printers (via USB Interface Cable IFC-400PCU)
Settings	Print quantity, style (image, paper, borders, date), trimming

Menus

Menu Categories	Shooting menu: redPlayback menu: blueSetup menu: yellow
LCD Monitor Language	15 languages provided (English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Russian, Simplified Chinese, Traditional Chinese, Korean, Japanese)
Firmware Update	Enabled by the user (in Creative Zone only)

Power Source

Battery	One Lithium-Ion Battery Pack BP-511A/BP-514/BP-511/BP-512
Number of Shots	Approx. 1,100 (68°F/20°C, flash off), approx. 900 (32°F/0°C, flash off) The above figures comply with CIPA testing standards and apply when a fully-charged Battery Pack BP-511A is used.
Battery Check	Automatic
Power Saving	Provided; power turns off after set time of 1, 2, 4, 8, 15 or 30 min.
Back-up Battery	One CR2016 Lithium Battery

Dimensions and Weight

Dimensions (W x H x D)	5.7 x 4.2 x 2.9 in./144 x 105.5 x 73.5mm
Weight	24.7 oz./700g (body only)

Operating Environment

Operating Temperature Range	32-104°F/0-40°C
Operating Humidity Range	85% or less

Note: All the specifications above are based on Canon's Standard Test Method. The camera's specifications and physical appearance are subject to change without notice.