

IMAGE SENSOR		
Type	Effective Pixels	36 x 24 mm CMOS
Total Pixels	Aspect Ratio	Approx. 22.3 megapixels
Low-Pass Filter	Sensor Cleaning	Approx. 23.4 megapixels
Colour Filter Type		3:2
		Built-in/Fixed with fluorine coating
		EOS integrated cleaning system
		Primary Colour
IMAGE PROCESSOR		
Type		DIGIC 5+
LENS		
Lens Mount	Focal Length	EF (excludes EF-S lenses)
		Equivalent to 1.0x the focal length of the lens
FOCUSING		
Type	AF System/ Points ¹	TTL-CT-SIR with a dedicated CMOS sensor
AF working range	AF Modes	61 Point / 41 f/4 cross-type AF points inc 5 dual cross type at f/2.8
AF Point Selection	AF Point Selection	EV -2 - 18 (at 23°C & ISO100)
Selected AF point display	AF Lock	AI Focus
AF Assist Beam	AF Assist Beam	One Shot
Manual Focus	Manual Focus	AI Servo
AF Microadjustment	AF Microadjustment	Automatic selection: 61 point AF
		Manual selection: Single point AF (61, 41 cross type only, 15 or 9 points selectable)
		Manual selection: Spot AF
		Manual selection: AF point Expansion 4 points (up, down, left, right)
		Manual selection: AF point Expansion surrounding 8 points
		Manual selection: Zone AF
		Superimposed in viewfinder and indicated on top LCD panel and Quick Control screen
		Locked when shutter button is pressed half way in One Shot AF mode or AF-ON button is pressed.
		Emitted by optional dedicated Speedlite
		Selected on lens, default in Live View Mode
		AF Menu
		+/- 20 steps (wide and tele setting for Zooms)
		Adjust all lenses by same amount
		Adjust up to 40 lenses individually
		Adjustments remembered for lens by serial number
EXPOSURE CONTROL		
Metering modes	Metering Range	TTL full aperture metering with 63 zone Dual Layer SPC
AE Lock	AE Lock	(1) Evaluative metering (linked to All AF point)
Exposure Compensation	Exposure Compensation	(2) Partial metering (approx. 6.2% of viewfinder at centre)
AEB	AEB	(3) Spot metering (approx. 1.5% viewfinder at centre)
ISO Sensitivity ²	ISO Sensitivity ²	(4) Centre weighted average metering
		EV 1 - 20 (at 23°C with 50mm f/1.4 lens ISO100)
		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
		+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB).
		2, 3, 5 or 7 Shots +/-3 EV 1/3 or 1/2 stop increments
		100-25600 (in 1/3-stop or whole stop increments)
		ISO can be expanded to L: 50, H1: 51200, H2 102400
SHUTTER		
Type	Speed	Electronically-controlled focal-plane shutter
		30-1/8000 sec (1/2 or 1/3 stop increments) + Bulb (Shutter speed range available varies according to shooting mode)
WHITE BALANCE		
Type	Settings	Auto white balance with the imaging sensor
Custom White Balance	Custom White Balance	AWB, Daylight, Shade, Cloudy, Tungsten, White
		Fluorescent light, Flash, Custom, Colour Temperature Setting
		White balance compensation:
		1. Blue/Amber +/-9
		2. Magenta/ Green +/-9
		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	Pentaprism	
Coverage (Vertical/Horizontal)	Approx. 100%	
Magnification	Approx. 0.71x ³	
Eyepoint	Approx. 21mm (from eyepiece lens centre)	
Dioptre Correction	-3 to +1 m-1 (dioptre)	
Focusing Screen	Fixed (Transmissive LCD screen)	
Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF600mm f/4 or shorter)	
Viewfinder Information	AF information: AF point, focus confirmation, AF status indicator Exposure information: Shutter speed, aperture, ISO speed (always displayed), AE lock, exposure level, exposure warning Flash information: Flash ready, flash exposure compensation, high-speed sync, FE lock, red-eye reduction light Image information: Highlight tone priority (D+), maximum burst (2-digit display), card information, battery check, composition information grid, electronic level Warning symbol displayed if any of the following is set: Monochrome, white balance correction, One-touch recording quality switch, expanded ISO speed, or spot metering	
Depth of field preview	Yes, with Depth of Field preview button.	
Eyepiece shutter	On strap	
LCD MONITOR		
Type	8.11cm (3.2") Clear View II TFT, approx. 1040K dots	
Coverage	Approx. 100%	
Viewing Angle (horizontally/vertically)	Approx. 170°	
Coating	Anti-reflection and Solid Structure	
Brightness Adjustment	Automatic, Manual adjustable to one of seven levels	
Display Options	(1) Quick Control Screen (2) Camera settings (3) Dual Axis Electronic Level	
FLASH		
Modes	E-TTL II Auto Flash, Metered Manual	
X-sync	1/200sec (EX series Speedlites only)	
Flash Exposure Compensation	+/- 3EV in 1/2 or 1/3 increments	
Flash Exposure Bracketing	Yes, with compatible External Flash	
Flash Exposure Lock	Yes	
Second Curtain	Yes	
Synchronisation		
HotShoe/ PC terminal	Yes / Yes	
External Flash Compatibility	E-TTL II with EX series Speedlites, wireless multi-flash support	
External Flash Control	Via camera menu screen	
SHOOTING		
Modes	Auto+, Program AE, Shutter priority AE, Aperture priority AE, Manual (Stills and Movie), Custom (x3)	
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 Chromatic aberration correction Distortion correction Resize to M1, M2 or S RAW image processing - during image Playback only Multiple exposure HDR images 5 presets	
Drive modes	Single, Continuous L, Continuous H, Self-timer (2s+remote, 10s+remote), Silent single shooting, Silent continuous shooting.	
Continuous Shooting	Max. Approx. 6fps. (speed maintained for up to 16270 images (JPEG) ^{4,5}	

LIVE VIEW MODE		
Type		Electronic viewfinder with image sensor
Coverage		Approx. 100% (horizontally and vertically)
Frame Rate		30 fps
Focusing		Manual Focus (Magnify the image 5x or 10x at any point on screen)
Metering		Autofocus: Quick mode, Live mode, Live Face detection mode
Display Options		Real-time evaluative metering with image sensor Active metering time can be changed Grid overlay (x3), Histogram, Aspect ratios, Dual Axis Electronic Level
FILE TYPE		
Still Image Type		JPEG: Fine, Normal (Exif 2.3 [Exif Print] compliant) / Design rule for Camera File system (2.0), RAW: RAW, sRAW1, sRAW2 (14bit, Canon original RAW 2nd edition), Digital Print Order Format (DPOF) Version 1.1 compliant
RAW+JPEG simultaneous recording		Yes, any combination of RAW + JPEG possible, separate formats to separate cards possible
Image Size		JPEG: (L) 5760 x 3840, (M) 3840 x 2560, (S1) 2880 x 1920, (S2) 1920 x 1280, (S3) 720 x 480 RAW : (RAW) 5760 x 3840 (M-RAW) 3960 x 2640, (S-RAW) 2880 x 1920
Movie Type		MOV (Video: H.264 Intra frame / inter frame, Sound: Linear PCM)
Movie Size		1920 x 1080 (29.97, 25, 23.976 fps) intra or inter frame 1280 x 720 (59.94, 50 fps) intra or inter frame 640 x 480 (25, 30 fps) inter frame
Movie Length		Max duration 29min 59sec, Max single file size 4GB
Folders		New folders can be manually created and selected
File Numbering		(1) Consecutive numbering (2) Auto reset (3) Manual reset

OTHER FEATURES		
	Custom Functions	13 Custom Functions with 47 settings
	Metadata Tag	User copyright information (can be set in camera) Image rating (0-5 stars)
	LCD Panel / Illumination	Yes / Yes
	Water/ Dust resistance ⁶	Yes (equal to EOS-1N)
	Sound Memo	No
	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) Magnified view (6) 2 image compare display (7) Movie edit
	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
	Histogram	Brightness: Yes RGB: Yes
	Highlight Alert	Yes
	Image Erase/Protection	Erase: Single image, All images in folder, Checkmarked images, unprotected images Protection: Erase protection of one image at a time
	Menu Categories	(1) Shooting menu (x4) (2) AF Menu (x5) (3) Playback menu (x3) (4) Setup menu (x4) (5) Custom Functions menu (x4) (6) 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
	Other	HDMI mini output, Video output (PAL/ NTSC), Headphone mini jack, External microphone (Stereo mini jack)
DIRECT PRINT		
	Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
	PictBridge	Yes

STORAGE		
	Type	CompactFlash Type I (UDMA compatible), SD card, SDHC card or SDXC card
SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows XP (SP2/SP3) / Vista inc SP1 (excl. Starter Edition) / 7 (excl. Starter Edition) OS X v10.6-10.7
SOFTWARE		
	Browsing & Printing Image Processing Other	ImageBrowser EX Digital Photo Professional PhotoStitch, EOS Utility (inc. Remote Capture, WFT utility ⁷), Picture Style Editor
POWER SOURCE		
	Batteries Battery life Battery Indicator Power saving Power Supply & Battery Chargers	Rechargeable Li-ion Battery LP-E6 (supplied), 1xCR1616 for date & settings Approx. 950 (at 23°C, AE 50%, FE 50%) ² Annrox. 850 (at 0°C, AF 50%, FF 50%) 6 levels + percentage Power turns off after 1, 2, 4, 8, 15 or 30mins. AC Adapter Kit ACK-E6, Battery charger LC-E6, Car Battery charger CBC-E6
PHYSICAL SPECIFICATIONS		
	Body Materials Operating Environment Dimensions (WxHxD) Weight (body only)	Magnesium Alloy body covers 0 – 40 °C, 85% or less humidity 152 x 116.4 x 76.4mm Approx. 950 (CIPA Guidelines)
ACCESSORIES		
	Viewfinder Wireless File Transmitter Lenses Flash Battery Grip Remote Controller/ Switch Other	Eyecup Eg, Eg-series Dioptic Adjustment Lens with Rubber Frame Eg, Anti Fog Eyepiece Eg, Angle Finder C Wireless File Transmitter WFT-E7 All EF lenses (excludes EF-S lenses) Canon Speedlites (220EX, 270EX, 270EX II, 320EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, 600EX, 600EX-RT, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2, ST-E3-BG-E11 Remote control with N3 type contact, Wireless Controller LC-5, Remote Controller RC-6 Hand Strap E2, GP-E2

All data is based on Canon standard testing methods except where indicated.

Subject to change without notice.

[1] The number of cross-type AF points will differ depending on the lens.

[2] Recommended Exposure Index

[3] With 50mm lens at infinity, -1m-1 dpt

[4] 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.

[5] Maximum fps and buffer capacity may be reduced depending on the cameras settings and light level

[6] Environmental protection

[7] Requires optional accessory