

IMAGE SENSOR		
	Type	22.3mm x 14.9mm CMOS
	Effective Pixels	Approx. 18.00 megapixels
	Total Pixels	Approx. 19.00 megapixels
	Aspect Ratio	3:2
	Low-Pass Filter	Built-in/Fixed
	Sensor Cleaning	EOS integrated cleaning system with fluorine coating
	Colour Filter Type	Primary Colour
IMAGE PROCESSOR		
	Type	DIGIC 4
LENS		
	Lens Mount	EF/EF-S
	Focal Length	Equivalent to 1.6x the focal length of the lens
FOCUSING		
	Type	TTL-CT-SIR with a CMOS sensor
	AF System/ Points	9 cross-type AF points (f/2.8 at centre)
	AF working range	EV -0.5 - 18 (at 23°C & ISO100)
	AF Modes	AI Focus One Shot AI Servo
	AF Point Selection	Automatic selection, Manual selection
	Selected AF point display	Superimposed in viewfinder and indicated on top LCD panel and Quick Control screen
	Predictive AF <sup>[7]</sup>	Yes up to 8m
	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 or emitted by optional dedicated Speedlite
	Manual Focus	Selected on lens, default in Live View Mode
	AF Microadjustment	No
EXPOSURE CONTROL		
	Metering modes	TTL full aperture metering with 63 zone Dual layer sensor (iFCL) (1) Evaluative metering (linked to all AF point) (2) Partial metering (approx. 6.5% of viewfinder at centre) (3) Spot metering (approx. 2.8% viewfinder at centre) (4) Centre weighted average metering
	Metering Range	EV 0-20 (at 23°C with 50mm f/1.4 lens ISO100)
	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 +/-3 EV 1/3 or 1/2 stop increments
	ISO Sensitivity <sup>[8]</sup>	Auto (100-3200), 100-6400 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 12800
SHUTTER		
	Type	Electronically-controlled focal-plane shutter
	Speed	30-1/8000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
WHITE BALANCE		
	Type	Auto white balance with the imaging sensor
	Settings	AWB, Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom, Colour Temperature Setting. White balance compensation: 1. Blue/Amber +/-9 2. Magenta/ Green +/-9.
	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 Coverage (Vertical/Horizontal) Magnification Eyepoint Dioptre Correction Focusing Screen  Mirror  Viewfinder Information    Depth of field preview Eyepiece shutter	Pentaprism Approx. 96% Approx. 0.95x <sup>[4]</sup> Approx. 22mm (from eyepiece lens centre) -3 to +1 m-1 (dioptre) Interchangeable (3 types, optional). Standard Focusing Screen Precision Matte Ef-A Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF600mm f/4 or shorter) AF information: AF points, focus confirmation light. 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: White balance correction, Card information, monochrome shooting, maximum burst (2 digit display), Highlight tone priority (D+). Composition information: Electronic level (Horizontal only), Battery check  Yes, with Depth of Field preview button. On strap
LCD MONITOR		
	Type Coverage Viewing Angle (horizontally/vertically)  Coating  Brightness Adjustment Display Options	Vari angle 7.7cm (3.0") 3:2 Clear View TFT, approx. 1040K dots Approx. 100% Approx 160°  Dual Anti-reflection  Adjustable to one of seven levels (1) Quick Control Screen (2) Camera settings (3) Electronic Level
FLASH		
	Built-in Flash GN (ISO 100, meters) Built-in Flash Coverage Built-in Flash recycle time Modes Red-Eye Reduction X-sync Flash Exposure Compensation Flash Exposure Bracketing Flash Exposure Lock Second Curtain Synchronisation HotShoe/ PC terminal External Flash Compatibility External Flash Control	13 up to 17mm focal length (35mm equivalent: 28mm) Approx. 3 seconds Auto, Manual flash, Integrated Speedlite Transmitter Yes 1/250sec +/- 3EV in 1/2 or 1/3 increments Yes, with compatible External Flash Yes Yes Yes/ No E-TTL II with EX series Speedlites, wireless multi-flash support via camera menu screen
SHOOTING		
	Modes  Picture Styles  Colour Space Image Processing    Drive modes  Continuous Shooting	Auto, No Flash, Creative Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, Movie, Program AE, Shutter priority AE, Aperture priority AE, Manual, Custom Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined (x3) sRGB and Adobe RGB 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 Basic+ (Shoot by ambience selection, Shoot by lighting or scene type) Creative filters (Grainy B/W, Soft focus, Toy camera, Miniature effect) - during image Playback only RAW image processing - during image Playback only Single, Continuous L, Continuous H, Self timer (2s+remote, 10s +remote) Max. Approx. 5.3fps. (speed maintained for minimum of approx 58 images (JPEG) <sup>[1]</sup> , 16 images (RAW)) <sup>[2]</sup>

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) Autofocus: Quick mode, Live mode, Live Face detection mode
	Metering	Real-time evaluative metering with image sensor Active metering time can be changed
	Display Options	Grid overlay (x2), Histogram, Multi aspect ratios, Electronic level
FILE TYPE		
	Still Image Type	JPEG: Fine, Normal (Exif 2.3 compliant) / Design rule for Camera File system (2.0), RAW: RAW, M-RAW, S-RAW (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, M-RAW + JPEG, S-RAW + JPEG possible.
	Image Size	JPEG 3:2: (L) 5184x3456, (M) 3456x2304, (S1) 2592x1728, (S2) 1920x1280, (S3) 720x480 JPEG 4:3: (L) 4608x3456, (M) 3072x2304, (S1) 2304x1728, (S2) 1696x1280, (S3) 640x480 JPEG 16:9: (L) 5184x2912, (M) 3456x1944, (S1) 2592x1456 (S2) 1920x1080, (S3) 720x400 JPEG 1:1: (L) 3456x3456, (M) 2304x2304, (S1) 1728x1728, (S2) 1280x1280, (S3) 480x480 RAW: (RAW) 5184x3456, (M-RAW) 3888x2592, (S-RAW) 2592x1728
	Movie Type	MOV (Video: H.264, Sound: Linear PCM)
	Movie Size	1920 x 1080 (29.97, 25, 23.976 fps) 1280 x 720 (59.94, 50 fps) 640 x 480 (59.94, 50 fps)
	Movie Length	Max duration 29min 59sec, Max 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	20 Custom Functions with 59 settings
	Metadata Tag	User copyright information (can be set in camera) Image rating (0-5 stars)
	LCD Panel / Illumination	Yes / Yes
	Water/ Dust resistance	Yes <sup>[6]</sup>
	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) Magnified view
	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
	Data Verification	Original image verification data can be appended to the image (OSK-E3 required for verification)
	Menu Categories	(1) Shooting menu (x4) (2) Playback menu (x2) (3) Setup menu (x3) (4) Custom Functions 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.

<b>INTERFACE</b>		
	Computer Other	Hi-Speed USB Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible), External microphone (3.5mm Stereo mini jack)
<b>DIRECT PRINT</b>		
	Canon Printers PictBridge	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge Yes
<b>STORAGE</b>		
	Type	SD card, SDHC card or SDXC card
<b>SUPPORTED OPERATING SYSTEM</b>		
	PC & Macintosh	Windows XP (SP2/SP3) / Vista inc SP1 (excl. Starter Edition) / 7 (excl. Starter Edition) OS X v10.4-10.6
<b>SOFTWARE</b>		
	Browsing & Printing Image Processing Other	ZoomBrowser EX / ImageBrowser Digital Photo Professional PhotoStitch, EOS Utility (inc. Remote Capture, Original Data Security Tools*), Picture Style Editor * Requires optional accessory
<b>POWER SOURCE</b>		
	Batteries Battery life Battery Indicator Power saving Power Supply & Battery Chargers	Rechargeable Li-ion Battery LP-E6 (supplied), built in for date & settings  Approx. 1100 (at 23°C, AE 50%, FE 50%) <sup>[5]</sup> Approx. 1000 (at 0°C, AE 50%, FE 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
<b>PHYSICAL SPECIFICATIONS</b>		
	Body Materials Operating Environment Dimensions (WxHxD) Weight (body only)	Aluminium and polycarbonate resin with glass fibre 0 – 40 °C, 85% or less humidity 144.5 x 105.8 x 78.6mm Approx. 755g (CIPA testing standard, including battery and memory card)
<b>ACCESSORIES</b>		
	Viewfinder Case Wireless File Transmitter Lenses Flash Battery Grip Remote Controller/ Switch Other	EyeCup Eb, E-series Dioptic Adjustment Lens Focusing Screens Ef (with Grid Ef-D, Super Precision Matte Ef-S), Angle Finder C Leather case EH21-L Compatible with Eye-Fi cards All EF and EF-S lenses Canon Speedlites (220EX, 270EX, 380EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2) BG-E9 Remote Switch RS-60E3, Remote Controller RC-6/RC-1/RC-5 Hand Strap E2, Original Data Security Kit OSK-E3

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

<sup>[1]</sup> Large/Fine(Quality 8) resolution

<sup>[2]</sup> Based on Canon's testing conditions, JPEG, ISO 100, Standard Picture Style.

<sup>[4]</sup> with 50mm lens at infinity, -1m-1 dpt

<sup>[5]</sup> Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated

<sup>[6]</sup> Memory card and battery door only

<sup>[7]</sup> with EF300mm f/2.8L IS USM at 50kph

<sup>[8]</sup> Recommended Exposure Index