DIGITAL CAMERA		**EOS 7D Mark II**
IMAGE SENSOR		
	Type	22.4 x 15.0 mm CMOS
	Effective Pixels	Approx. 20.2 megapixels
	Total Pixels	Approx. 20.9 megapixels
	Aspect Ratio	3:2
	Low-Pass Filter	Built-in/Fixed with fluorine coating
	Sensor Cleaning	EOS integrated cleaning system
	Colour Filter Type	Primary Colour
IMAGE PROCESSOR		
	Type	Dual "DIGIC 6"
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 dedicated CMOS sensor
	AF System/ Points	65 cross-type AF points (Centre point is an extra sensitive dual-cross-type point at f/2.8, cross-type at f/8 and sensitive to -3EV) (11)
	AF working range	EV -3 - 18 (at 23°C & ISO100)
	AF Modes	AI Focus One Shot AI Servo
	AF Point Selection	Automatic selection: 65 point AF Manual selection: Single point AF (65 cross type only, 21 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 Manual selection: Large Zone AF AF points can be selected separately for vertical and horizontal shooting
	Selected AF point display	Superimposed in viewfinder and indicated on top LCD panel and Quick Control screen
	Predictive AF (7)	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
	AF Microadjustment	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	TTL full aperture metering with 252 zone Dual Layer SPC (1) Evaluative metering (linked to All AF point) (2) Partial metering (approx. 6% of viewfinder at centre) (3) Spot metering (approx. 1.8% 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 1-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	2, 3, 5 or 7 Shots +/-3 EV 1/3 or 1/2 stop increments
	ISO Sensitivity (8)	Auto (100-16000), 100-16000 (in 1/3-stop or whole stop increments) ISO can be expanded to H1: 25600, H2: 51200 During Movie shooting: Auto (100-16000), 100-16000 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 25600

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	Pentaprism
	Coverage (Vertical/Horizontal)	Approx. 100%
	Magnification	Approx. 1.0x(4)
	Eyepoint	Approx. 22mm (from eyepiece lens centre)
	Dioptre Correction	-3 to +1 m^{-1} (dioptre)
	Focusing Screen	Interchangeable (2 types, optional). Standard Focusing Screen Eh-A Super Precision Matte Eh-S
	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: Single/Spot AF points, AF Frame, AF status, Focus indicator, AF mode, AF point selection, AF point registration Exposure information: Shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, flash metering, spot metering circle, exposure warning, AEB, metering mode, shooting mode Flash information: Flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light. Image information: Card information, maximum burst (2 digit display), Highlight tone priority (D+). Composition information: Grid, Electronic level Other information: Battery check, Warning symbol, Flicker Detection, drive mode, white balance, JPEG/RAW indicator
	Depth of field preview	Yes, with Depth of Field preview button.
	Eyepiece shutter	On strap

LCD MONITOR

	Type	7.7cm (3.0") Clear View II TFT, approx. 1040K dots
	Coverage	Approx. 100%
	Viewing Angle (horizontally/vertically)	Approx 170°
	Coating	Anti-reflection and Solid Structure
	Brightness Adjustment	Auto: Using extenal ambient light sensor Manual: Adjustable to one of seven levels
	Display Options	(1) Quick Control Screen (2) Camera settings (3) Dual Axis Electronic Level

FLASH

	Built-in Flash GN (ISO 100, meters)	11
	Built-in Flash Coverage	up to 15mm focal length (35mm equivalent: 24mm)
	Built-in Flash recycle time	Approx. 3 seconds
	Modes	E-TTL II, Manual flash, Multi flash, Integrated Speedlite Transmitter
	Red-Eye Reduction	Yes
	X-sync	1/250sec
	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 Synchronisation	Yes
	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	Scene Intelligent Auto, Program AE , Shutter priority AE, Aperture priority AE, Manual (Stills and Movie), Bulb, 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) Multi Shot Noise Reduction Auto Correction of Lens Peripheral illumination Chromatic aberration correction Distortion correction Resize to M, S1, S2 or S3 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 continous shooting
	Continuous Shooting	Max. Approx. 10fps. (speed maintained for up to an infinite number of JPEGs or 31 RAW images (1) (2) (10) with UDMA7 card.
	Intervalometer	Built-in, number of shots selectable from 1-99 or unlimited. Bulb timer possible

LIVE VIEW MODE

	Type	Electronic viewfinder with image sensor
	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), Custom Movie Servo AF
	Metering	Real-time evaluative metering with image sensor Active metering time can be changed
	Display Options	Grid overlay (x2), Histogram

FILE TYPE

	Still Image Type	JPEG: Fine, Normal (Exif 2.21 [Exif Print] 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) 5472x3648, (M) 3648x2432, (S1) 2736x1824, (S2) 1920x1280, (S3) 720x480 JPEG 4:3: (L) 4864x3648, (M) 3248x2432, (S1) 2432x1824, (S2) 1696x1280, (S3) 640x480 JPEG 16:9: (L) 5472x3072, (M) 3648x2048, (S1) 2736x1536, (S2) 1920x1080, (S3) 720x408 JPEG 1:1: (L) 3648x3648, (M) 2432x2432, (S1) 1824x1824, (S2) 1280x1280, (S3) 480x480 RAW: (RAW) 5472x3648, (M-RAW) 4104x2736, (S-RAW) 2736x1824
	Movie Type	MOV (Video: H.264 or MP4: Intra frame / inter frame, Sound: Linear PCM with H.264, AAC with MP4, recording level can be manually adjusted by user)
	Movie Size	1920 x 1080 (59.94, 50 fps) inter-frame 1920 x 1080 (29.97, 25, 24, 23.98 fps) intra or inter frame 1920 x 1080 (29.97, 25) lite inter-frame 1280 x 720 (59.94, 50 fps) intra or inter frame 1280 x 720 (29.97, 25, 24, 23.98 fps) lite inter-frame 640 x 480 (29.97, 25 fps) inter-frame or inter-frame lite
	Movie Length	Max duration 29min 59sec
	Folders	New folders can be manually created and selected
	File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset

OTHER FEATURES

Custom Functions	18 Custom Functions	
Metadata Tag	User copyright information (can be set in camera) Image rating (0-5 stars), GPS information: Latitude, Longitude, Elevation, Direction, Coordinated Universal Time (UTC), satellite signal condition	
LCD Panel / Illumination	Yes / Yes	
Water/ Dust resistance	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) Movie edit	
Slide Show	Image selection: All images, by Date, by Folder, Movies, Stills, Rating, Protect images 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 (x6) (2) AF Menu (x5) (3) Playback menu (x3) (4) Setup menu (x4) (5) Custom Functions menu (x5) (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	SuperSpeed USB 3	
Other	HDMI mini output (HDMI-CEC compatible, output of uncompressed YCbCr 4:2:2, 8-bit for video streaming is possible, sound output via HDMI is also possible) External microphone (Stereo mini jack), Headphone socket (Stereo mini jack)	

DIRECT PRINT

Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge	
PictBridge	Yes	

STORAGE

Type	CompactFlash Type I (UDMA 7 compatible), SD card, SDHC card or SDXC card. High-speed writing with UHS-I type SD cards is supported	

SUPPORTED OPERATING SYSTEM

PC & Macintosh	Windows 8.1 / 8 / 7 / 7 SP1 / Vista SP2 / XP SP3 OS X v10.8-10.9	

SOFTWARE

Browsing & Printing	ImageBrowser EX	
Image Processing	Digital Photo Professional	
Other	PhotoStitch, EOS Utility (inc. Remote Capture, WFT utility*), Picture Style Editor * Requires optional accessory	

POWER SOURCE

Batteries	Rechargeable Li-ion Battery LP-E6N (supplied)	
Battery life	Approx. 670 shots (at 23°C, AE 50%, FE 50%) (5) Approx. 640 (at 0°C, AE 50%, FE 50%)	
Battery Indicator	6 levels + percentage	
Power saving	Power turns off after 1, 2, 4, 8, 15 or 30mins.	
Power Supply & Battery Chargers	AC Adapter Kit ACK-E6, Battery charger LC-E6, Car Battery charger CBC-E6	

PHYSICAL SPECIFICATIONS		
	Body Materials	Magnesium Alloy body covers
	Operating Environment	0 – 40 °C, 85% or less humidity
	Dimensions (WxHxD)	148.6 x 112.4 x 78.2mm
	Weight (body only)	Approx. 910 g
ACCESSORIES		
	Viewfinder	Eyecup Eb, E-series Dioptric Adjustment Lens with Rubber Frame Eb, Focusing Screens Eh (Eh-A Standard Focusing Screen, Eh-S Super Precision Matte), Angle Finder C
	Case	Leather Case EH20-L
	Wireless File Transmitter	Wireless File Transmitter WFT-E7 version 2 Wireless File Transmitter WFT-E7 requires a firmware update and Interface Cable IFC-40AB II or IFC-150AB II Compatible with Eye-Fi cards
	Lenses	All EF and EF-S lenses
	Flash	Canon Speedlites (90EX, 220EX, 270EX, 270EX II, 320EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, 600EX, 600EX-RT, Macro-Ring-Lite, MR-14EX II, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT)
	Battery Grip	BG-E16
	Remote Controller/ Switch	Remote control with N3 type contact, Wireless Controller LC-5, Remote Controller RC-6
	Other	Hand Strap E2

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

1 Large/Fine(Quality 8) resolution
2 Based on Canon's testing conditions, JPEG, ISO 100, Standard Picture Style. Maximum fps and buffer capacity may be reduced depending on the cameras settings, light level, subject, memory card brand and capacity, image recording quality, ISO speed, drive mode, Picture Style, Custom functions etc.
4 with 50mm lens at infinity, $-1m^{-1}$ dpt
5 Based on the CIPA Standard and using the battery supplied with the camera, except where indicated
7 with EF300mm f/2.8L IS USM at 50kph
8 Recommended Exposure Index
10 Figures quoted are when used with UDMA7 class cards and with iTR AF feature disabled. When iTR AF is enabled, continuous shooting has a maximum rate of approx. 9.5fps
11 The number of cross-type AF points depends on the lens used