EOS 6D Mark II

YOUR NEXT STEPS IN FULL-FRAME PHOTOGRAPHY

Achieve new creative goals, with advanced performance and innovative features that will support your next steps in photography – wherever they might lead.

Next-generation image quality, for your next steps in photography

- A latest 26.2-megapixel full-frame sensor for superb detail even in dark shadows and bright highlights, and in low light

Performance that inspires confidence

- Shoot confidently, using 45 cross-type AF points to focus with pin-point accuracy.
  Capture fleeting moments at 6.5 fps

Revolution on the inside; evolution on the outside

- A benchmark DSLR design – refined with you in mind. Feels instantly familiar, so you can get shooting straight away
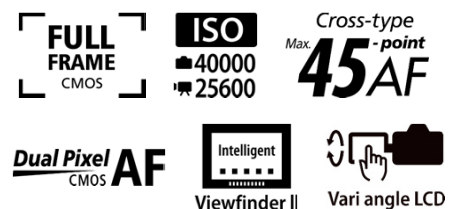
Be even more creative with DSLR video

- Take your DSLR movie projects to new creative heights, shooting Full HD movies that are sharp and stable

Connected camera technology for new ways of working

- Bluetooth® and Wi-Fi work together to make controlling the EOS 6D Mark II from your smart device* quick and easy. Built in GPS tags your position**

FULL FRAME CMOS

ISO 📷40000 🎬25600

Cross-type Max. **45AF** -point

Dual Pixel CMOS **AF**

Intelligent Viewfinder II

Vari angle LCD

PRODUCT RANGE

EOS 6D Mark II

EOS 7D Mark II

EOS 80D

EOS 6D Mark II
EOS 7D Mark II
EOS 80D

Canon

TECHNICAL SPECIFICATIONS

EOS 6D Mark II

IMAGE SENSOR	
Type	Approx. 35.9 x 24.0 mm CMOS
Effective Pixels	Approx. 26.2 megapixels
Total Pixels	Approx. 27.1 megapixels
Aspect Ratio	3:2
Low-Pass Filter	Built in/Fixed
Sensor Cleaning	EOS integrated cleaning system
Colour Filter Type	Primary Colour

IMAGE PROCESSOR	
Type	DIGIC 7

LENS	
Lens Mount	EF (excludes EF-S, EF-M lenses)
Focal Length	Equivalent to 1.0x the focal length of the lens
Image Stabilisation	Optical Image Stabilizer on compatible lens Movie: In-camera 5-axis Digital IS available. [29]

FOCUSING	
Type	Via optical viewfinder: TTL secondary image-forming phase detection system with AF dedicated sensor
	Via liveview on LCD screen: Dual Pixel CMOS AF System. Phase detection pixels built onto imaging sensor [20]
AF System/ Points	Via optical viewfinder: 45 cross-type AF points (45 f/5.6 cross-type AF points, 27 f/8 points (9 cross-type), centre point is f/2.8 and f/5.6 dual cross-type)
	Via liveview on LCD screen: Maximum 63 AF points (Fixed location on 9x7 grid) via camera automatic selection [15]
AF working range	Via optical viewfinder: EV -3 - 18 (at 23 °C & ISO 100) with centre AF point & f/2.8 or brighter lenses
	Via liveview on LCD screen: EV -2.5- 18 (at 23 °C & ISO 100) with One-Shot AF
AF Modes	Via optical viewfinder: One Shot AF Predictive AI Servo AF (AI Servo II algorithm) AI Focus AF
	Via liveview on LCD screen: One-Shot AF Servo AF
AF Point Selection	Via optical viewfinder:
	Automatic selection: 45 point AF Manual selection: Single point/ Spot AF Manual selection: Zone AF Manual selection: Large Zone AF AF points can be selected separately for vertical and horizontal shooting
	Via LCD screen: Automatic selection: Face AIAF + Tracking, up to 63 AF points when no subject/ face detected Manual selection via touch screen or freely position 1 AF point/ 1 AF Zone (9 points, 3x3 grid). [20]
Selected AF point display	Superimposed in viewfinder and indicated on top LCD panel and Quick Control screen
Predictive AF [7]	Yes

AF Lock	Locked when shutter button is pressed half way in One Shot AF mode or AF-ON Button is pressed.
AF Assist Beam	Emitted by an optional dedicated Speedlite or optional Speedlite Transmitter ST-E2
Manual Focus	Selected on lens
AF Microadjustment	C.Fn II-16 +/- 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	Via optical viewfinder: 7560-pixel RGB+IR metering sensor Metering with the area divided into 63 segments (9 × 7) (1) Evaluative metering (linked to all AF points) (2) Partial metering (approx. 6.5 % of viewfinder) (3) Spot metering (approx. 3.2 % of viewfinder) (4) Center-weighted average metering
	Via liveview on LCD screen: (1) Evaluative metering (315 zones) (2) Partial metering (approx. 6.3 % of LCD screen) (3) Spot metering (approx. 2.7 % of LCD screen) (4) Center-weighted average metering
Metering Range	Via optical viewfinder: EV 1-20 (at 23 °C , ISO 100)
	Via liveview on LCD screen: EV 0-20 (at 23 °C, ISO 100, evaluative metering)
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	Stills: Auto (100 - 40000), 100 - 40000 (in 1/3-stop or whole stop increments), Manual ISO can be expanded to L: 50, H1: 51200, H2: 102400 [8]
	Movie: Auto (100 - 25600), 100 - 25600 (in 1/3-stop or whole stop increments), Auto ISO/ Manual ISO settings can be expanded to H1: 51200. H2: 102400 [8]

SHUTTER	
Type	Electronically-controlled focal-plane shutter
Speed	30-1/4000 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 (Ambeince priority/White priority), Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom, Colour Temperature Setting (Approx. 2500 K - 10000 K)
	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 2, 3, 5 or 7 Selectable Blue/Amber bias or Magenta/ Green bias.

TECHNICAL SPECIFICATIONS

EOS 6D Mark II

VIEWFINDER	
Type	Pentaprism
Coverage (Vertical/Horizontal)	Approx. 98%
Magnification	Approx. 0.71x [4]
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 points, focus confirmation, AF area selection mode, AF mode Exposure information: Exposure mode, Shutter speed, aperture value, ISO speed, AE lock, exposure level/compensation, Metering mode, spot metering circle, exposure warning, AEB. 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, Aspect Ratio Other information: Drive mode, Battery level, Alert symbol, Flicker Detection, Image Quality (RAW/ JPEG)
Depth of field preview	Yes, with Depth of Field preview button.
Eyepiece shutter	On strap
LCD MONITOR	
Type	Touch screen Vari angle 7.7cm (3.0") 3:2 Clear View II TFT, approx. 1040K dots
Coverage	Approx. 100%
Viewing Angle (horizontally/vertically)	Approx 170°
Coating	Anti smudge
Brightness Adjustment	Adjustable to one of seven levels
Display Options	(1) Quick Control Screen (2) Camera settings (3) Electronic Level
FLASH	
Modes	E-TTL II Auto Flash, Metered Manual
X-sync	1/180sec
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/ No
External Flash Compatibility	E-TTL II with EX series Speedlites, wireless multi-flash support (with optional accessory)
External Flash Control	via camera menu screen
SHOOTING	
Modes	Scene Intelligent Auto, Creative Auto, Special Scene (Portrait, Group Photo, Landscape, Sports, Kids, Panning [31], Close-up, Food, Candlelight, Night Portrait, Handheld Night Scene, HDR Backlight Control), Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure, Bulb exposure, Custom (C1/C2)

Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, 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, Distortion correction, Chromatic aberration correction and Diffraction correction Multi-exposure HDR Mode RAW image processing - during image Playback only Resize to M or S1, S2
Drive modes	Single, Continuous L, Continuous H, Self timer (2s + Remote, 10s + Remote, Continuous), Silent single shooting, Silent continous shooting
Continuous Shooting	Max. Approx. 6.5 fps. (speed maintained for up to 150 images in JPEG, 21 images in RAW) [2] [10]
Intervalometer	Built-in, number of shots selectable from 1-99 or unlimited. Bulb timer available Timelapse Movie mode available [29]
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 [20], Tracking sensitivity (-3 to +3) and Movie Servo AF Speed (-7 to +2)
Metering	Real-time evaluative metering with image sensor Active metering time can be changed
Display Options	Grid overlay (x3), Histogram, Aspect ratios, Electronic Level
FILE TYPE	
Still Image Type	JPEG: Fine, Normal (Exif 2.30 [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) 6240 x 4160, (M) 4160 x 2768, (S1) 3120 x 2080 (S2) 2400 x 1600 JPEG 4:3: (L) 5536 x 4160, (M) 3680 x 2768, (S1) 2768 x 2080, (S2) 2112 x 1600 JPEG 16:9: (L) 6240 x 3504, (M) 4160 x 2336, (S1) 3120 x 1752, (S2) 2400 x 1344 JPEG 1:1: (L) 4160 x 4160, (M) 2768 x 2768, (S1) 2080 x 2080, (S2) 1600 x 1600 RAW: (RAW) 6240 x 4160, (M-RAW) 4680 x 3120, (S-RAW) 3120 x 2080
Movie Type	MP4: Movie: MPEG4 AVC / H.264 (Video: H.264 inter frame, Sound: Linear PCM / AAC, recording level can be manually adjusted by user) MOV: Motion JPEG (4K 29.97/25.00, time-lapse movies only) ALL-I (FHD 29.97/25.00, time-lapse movies only)

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Movie Size	1920 x 1080 (59.94, 50, 29.97, 25, 23.976 fps) IPB Standard or Light 1280 x 720 (59.94, 50, 29.97, 25 fps) IPB Standard or Light HDR movie [30]: 1920 x 1080 (59.94, 50, 29.97, 25, 23.976 fps) IPB (Standard, Light) Time-lapse movie: 3840 x 2160 (29.97, 25 fps) Motion JPEG 1920 x 1080 (29.97, 25 fps) ALL-I
Movie Length	Max duration 29min 59sec, Max file size 4GB (If file size exceeds 4GB a new file will be created automatically except in Timelapse Movie mode)
Folders	New folders can be manually created and selected
File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset

OTHER FEATURES

Custom Functions	28 Custom Functions
Metadata Tag	User copyright information (can be set in camera) Image rating (0-5 stars) GPS coordinates: Latitude, Longitude, Elevation, Coordinated Universal Time (UTC), Satellite signal acquisition status
LCD Panel / Illumination	Yes / Yes
Water/ Dust resistance	Yes
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) 36 image index (6) 100 image index (7) Jump Display (8) Movie/edit
Slide Show	Playback time: 1/2/3/5/10/20 seconds Repeat: On/Off Background music: On/Off Transition effect: Off, Slide in 1, Slide in 2, Fade 1, Fade 2, Fade 3
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 (x5) (2) Playback menu (x3) (3) Setup menu (x5) (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

GPS	Compatible satellites: GPS satellites (USA), GLONASS satellites (Russia), Quasi-Zenith Satellite System (QZSS) MICHIBIKI (Japan) [32] Position update interval: 1 sec., 5 sec., 10 sec., 15 sec., 30 sec., 1 min., 2 min., 5 min. Time setting: GPS time data set to camera Log data: One file per day, NMEA format
Firmware Update	Update possible by the user.

INTERFACE

Computer	Hi-Speed USB (USB 2.0)
Wi-Fi	Wi-Fi (2.4GHz) Channels: IEEE802.11b, IEEE802.11g, IEEE802.11n [17]
Wi-Fi Security	Camera Access Point: WPA2-PSK with AES encryption or open Infrastructure: Shared key, with WEP encryption, WPA-PSK/WPA2-PSK with TKIP/AES encryption or open
Bluetooth	Bluetooth Specification Version 4.1 compliant (Bluetooth low energy technology) [25]
NFC	NFC Forum Type 3/4 Tag compliant (dynamic)
Other	HDMI output (Type-C), External microphone (3.5 mm Stereo mini jack)

DIRECT PRINT

Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
PictBridge	Yes (PictBridge via WLAN compatible)

STORAGE

Type	SD, SDHC or SDXC (UHS-I) card

SUPPORTED OPERATING SYSTEM

PC & Macintosh	Windows 10 / 8.1 / 8 / 7 (With Microsoft .NET Framework 4.5 is installed) [24] Mac OS X 10.9 / 10.10 / 10.11 / 10.12

SOFTWARE

Image Processing	Digital Photo Professional 4
Other	EOS Utility EOS Lens Registration Tool EOS Web Service Registration Tool EOS Sample Music Picture Style Editor Map Utility

POWER SOURCE

Batteries	Rechargeable Li-ion Battery LP-E6N (supplied)
Battery life	Approx. 1200 shots (at 23°C, AE 50%, FE 50%) [5] Approx. 1100 shots (at 0°C, AE 50%, FE 50%)
Battery Indicator	6 levels + percentage
Power saving	Power turns off after 1, 2, 4, 8 or 15 mins.
Power Supply & Battery Chargers	AC Adapter AC-E6(N), DC coupler: DR-E6, Battery charger LC-E6E, Car Battery charger CBC-E6

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TECHNICAL SPECIFICATIONS

EOS 6D Mark II

PHYSICAL SPECIFICATIONS

Body Materials	Chassis: Aluminum alloy and polycarbonate resin with glass fiber
	Body: Polycarbonate resin with special conductive fiber & Polycarbonate resin with glass fiber on some parts
Operating Environment	0 – 40 °C, 85% or less humidity
Dimensions (WxHxD)	144.0 x 110.5 x 74.8 mm
Weight (body only)	Approx. 765 g (CIPA testing standard, including battery and memory card)

ACCESSORIES

Viewfinder	Eyecup Eb, E-series Dioptric Adjustment Lens, Eyepiece Extender EP-EX15II, Angle Finder C
Case	Protecting Cloth PC-E1
Wireless File Transmitter	Built in Wi-Fi transmission
Lenses	All EF lenses (excludes EF-S lenses & EF-M lenses)
Flash	Canon Speedlites (90EX, 220EX, 270EX, 270EX II, 320EX, 420EX, 430EX, 430EX II, 430EX III-RT, 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	Battery Grip BG-E21
Remote Controller/ Switch	Remote Switch RS-80N3 Timer Remote Controller TC-80N3 Remote Controller RC-6 Wireless Remote Control BR-E1 (via Bluetooth)
Other	Hand Strap E2 Interface Cable IFC-400PCU Directional Stereo Microphone DM-E1

Footnotes

[2] 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.

[4] with 50mm lens at infinity, $-1m^{-1}$ dpt

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

[8] Recommended Exposure Index

[10] Sustained continuous shooting speed is tested based on Canon's testing standard. Function requires compatible SDHC/SDXC UHS Speed Class 1 memory card, total number of frames captured varies depending on shooting subject, settings and brand of memory card

[15] Maximum number of AF frame is dependent on selected image aspect ratio

[16] Sustained continuous shooting function requires compatible SDHC/SDXC UHS Speed Class 1 memory card, total number of frames captured varies depending on camera settings, type of lens used, battery charge and light level. Shooting stops automatically with the 1000th frame

[17] Wi-Fi use may be restricted in certain countries or regions.

[20] Dual Pixel CMOS AF - AF is possible over an area of approx. 80% Vertical x 80% Horizontal of the frame

[23] Equipped with Bluetooth® low energy technology. The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Canon Europe Ltd. is under license. Other trademarks and trade names are those of their respective owners.

[24] Software applications compatible with Windows 10 in Windows 10 Desktop Mode only

[25] Bluetooth connection requires smart device to be equipped with Bluetooth version 4.0 (or later). Also requires smart device to be using operating system iOS 8.4 (or later) or Android 5.0 (or later) as well as latest version of Camera Connect app installed

[29] Following lenses are not compatible with in-camera digital stabilisation: EF 50mm f/1.2L USM, EF 85mm f/1.2L II USM, EF 200mm f/2L IS USM, EF 300mm f/2.8L IS II USM, EF 400mm f/2.8L IS II USM, EF 500mm f/4L IS II USM, EF 600mm f/4L IS II USM, EF 800mm f/5.6L IS USM and EF 200-400mm f/4L IS USM

[30] HDR Movie available in some SCN Modes only

[31] Available when using Liveview via LCD. Maximum effect in Panning Mode available when using following lenses: EF 24-105mm f/4L II IS USM

[32] GPS use may be restricted in certain countries or regions. Use of GPS should comply with the laws and regulations of the country and area in which it is being operated including any restriction on the use of electronics.

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

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PRODUCT DETAILS:

Product Name	Mercury Code	GTIN (EAN)
Digital Camera EOS 6D Mark II BODY EU26	1897C003AA	4549292083903
Digital Camera EOS 6D Mark II 24-70 4L EU26	1897C015AA	4549292084023
Digital Camera EOS 6D Mark II 24-105 EU26	1897C022AA	4549292084085

OPTIONAL ACCESSORIES:

Product Name	Mercury Code	GTIN (EAN)
Battery Grip BG-E21	2130C001AA	4549292087512
Wireless Remote BR-E1	2140C001AA	4549292087864
Protecting Cloth PC-E1	2394C001AA	4549292099706

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Sales Start Date: July 2017

MEASUREMENT / LOGISTIC INFORMATION:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (mm)	Width (mm)	Height (mm)	Gross Weight (kg)
Digital Camera EOS 6D Mark II BODY EU26	1897C003AA	EA	Each	1	182	248	150	1.63
		CT	Carton	6	471	382	288	10.81
		EP	Euro Pallet	72	1200	800	1014	140
			Layers per Pallet	3				
			Cartons per Layer	4				
			Products per layer	24				
Digital Camera EOS 6D Mark II 24-70 4L EU26	1897C015AA	EA	Each	1	226.5	281.5	187	2.41
		CT	Carton	3	248	588	321	8.06
		EP	Euro Pallet	54	1200	800	1113	155
			Layers per Pallet	3				
			Cartons per Layer	6				
			Products per layer	18				
Digital Camera EOS 6D Mark II 24-105 EU26	1897C022AA	EA	Each	1	226.5	281.5	187	2.30
		CT	Carton	3	248	588	321	7.72
		EP	Euro Pallet	54	1200	800	1113	149
			Layers per Pallet	3				
			Cartons per Layer	6				
			Products per layer	18				

What's in the box?

- EOS 6D Mark II
- Eyecup Eb
- Camera Cover R-F-3
- Camera Strap

- Battery Pack LP-E6N
- Battery Charger LC-E6E
- User Manual kit

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