

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

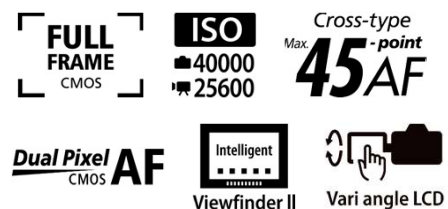
- Take your DSLR movie projects to new creative heights, shooting Full HD movies that are sharp and stable

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**

* Always-on connection between smart device and camera via Bluetooth® requires initial set up with Canon Camera Connect app. Stability of the Bluetooth® connection depends on model of smart device and other environmental factors. The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth® SIG, Inc. and any use of such marks by Canon Inc. is under license. Other trademarks and trade names are those of their respective owners. Compatible smart device requires Bluetooth® version 4 (or later) and running iOS 8.4 (or later) or Android 5.0 (or later) with latest Canon Camera Connect app installed (available from Apple App Store or Google Play store)

** 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.



PRODUCT RANGE



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

EOS 6D Mark II



EOS 7D Mark II



EOS 80D

IMAGE SENSOR

Type	Approx. 35.9 x 24.0mm 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
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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
AF System/ Points	Via liveview on LCD screen: Dual Pixel CMOS AF System. Phase detection pixels built onto imaging sensor ^[20] 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)
AF working range	Via liveview on LCD screen: Maximum 63 AF points (Fixed location on 9x7 grid) via camera automatic selection ^[13] Via optical viewfinder: EV -3 - 18 (at 23 °C & ISO 100) with centre AF point & f/2.8 or brighter lenses
AF Modes	Via liveview on LCD screen: EV -2.5- 18 (at 23 °C & ISO 100) with One-Shot AF Via optical viewfinder: One Shot AF Predictive AI Servo AF (AI Servo II algorithm) AI Focus AF
AF Point Selection	Via liveview on LCD screen: One-Shot AF Servo AF 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
Selected AF point display	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] Superimposed in viewfinder and indicated on top LCD panel and Quick Control screen
Predictive AF ⁽⁷⁾	Yes

AF Lock

AF Assist Beam

Manual Focus

AF Microadjustment

Locked when shutter button is pressed half way in One Shot AF mode or AF-ON Button is pressed.

Emitted by an optional dedicated Speedlite or optional Speedlite Transmitter ST-E2

Selected on lens

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 x 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)

AE Lock

Via liveview on LCD screen:
EV 0-20 (at 23 °C, ISO 100, evaluative metering)
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^[6]

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^[6]

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 (Ambience 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.

Yes, 1 setting can be registered

Custom White Balance

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)
Dioptr Correction	-3 to +1 m-1 (dioptr)
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)
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Picture Styles

Colour Space

Image Processing

Auto, Standard, Portrait, Landscape, Fine Detail, 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 + 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 continuous 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)

TECHNICAL SPECIFICATIONS

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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	GPS	Compatible satellites: GPS satellites (USA), GLONASS satellites (Russia), Quasi-Zenith Satellite System (QZSS) MICHIBIKI (Japan) ^[24] 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 Update possible by the user.
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)	Firmware Update	
Folders	New folders can be manually created and selected	INTERFACE	
File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset	Computer	Hi-Speed USB (USB 2.0)
OTHER FEATURES		Wi-Fi	Wi-Fi (2.4GHz) Channels: IEEE802.11b, IEEE802.11g, IEEE802.11n ^[17]
Custom Functions	28 Custom Functions	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
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 Yes / Yes	Bluetooth	Bluetooth Specification Version 4.1 compliant (Bluetooth low energy technology) ^[25]
LCD Panel / Illumination	Yes / Yes	NFC	NFC Forum Type 3/4 Tag compliant (dynamic)
Water/ Dust resistance	Yes	Other	HDMI output (Type-C), External microphone (3.5 mm Stereo mini jack)
Sound Memo	No	DIRECT PRINT	
Intelligent Orientation Sensor	Yes	Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
Playback zoom	1.5x - 10x	PictBridge	Yes (PictBridge via WLAN compatible)
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	STORAGE	
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	Type	SD, SDHC or SDXC (UHS-I) card
Histogram	Brightness: Yes RGB: Yes	SUPPORTED OPERATING SYSTEM	
Highlight Alert	Yes	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
Image Erase/Protection	Erase: Single image, All images in folder, Checkmarked images, unprotected images Protection: Erase protection of one image at a time	SOFTWARE	
Menu Categories	(1) Shooting menu (x5) (2) Playback menu (x3) (3) Setup menu (x5) (4) Custom Functions menu (5) My Menu	Image Processing	Digital Photo Professional 4
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	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

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	Eyeclip Eb, E-series Dioptic 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
- ^[14] 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.