

EOS FULL-FRAME POWER DSLR COMPARISON CHART


EOS 1D X^{II}
 Mark II

EOS 5Ds
EOS 5Ds R

EOS 5D
 Mark IV

EOS 5D
 Mark III

EOS 6D
 Mark II

CMOS Sensor	20.2 Megapixels Full-frame CMOS	50.6 Megapixels Full-frame CMOS	30.4 Megapixels Full-frame CMOS	22.3 Megapixels Full-frame CMOS	26.2 Megapixels Full-frame CMOS			
Image Processor	Dual DIGIC 6+ Dedicated DIGIC 6 for metering	Dual DIGIC 6	DIGIC 6+	DIGIC 5+	DIGIC 7			
ISO Range*	Still	ISO 100–51200 (Expandable ISO 50–409600)	ISO 100–6400 (Expandable ISO 50–12800)	ISO 100–32000 (Expandable ISO 50–102400)	ISO 100–25600 (Expandable ISO 50–102400)	ISO 100–40000 (Expandable ISO 50–102400)		
	Video	4K	ISO 100–12800 (Expandable ISO 100–204800)	ISO 100–6400 (Expandable ISO 50–12800)	4K	ISO 100–12800 (Expandable ISO 100–102400)	ISO 100–12800 (Expandable ISO 100–25600)	ISO 100–25600 (Expandable ISO 100–102400)
		Full HD	ISO 100–25600 (Expandable ISO 100–204800)		Full HD	ISO 100–25600 (Expandable ISO 100–102400)		
Low-pass Filter Cancellation Effect	–	Yes (EOS 5DS R only)	–	–	–			
Maximum Frames Per Second	14 fps** 16 fps** in Live View Mode	5.0 fps	7.0 fps**	6.0 fps	6.5 fps**			
Top Shutter Speeds Range	30–1/8000 sec.	30–1/8000 sec.	30–1/8000 sec.	30–1/8000 sec.	30–1/4000 sec.			
Live View AF Technology	Dual Pixel CMOS AF	Contrast AF	Dual Pixel CMOS AF	Contrast AF	Dual Pixel CMOS AF			
Video Frame Size	4K: 4096 x 2160 Full HD: 1920 x 1080	Full HD: 1920 x 1080 HD: 1280 x 720 SD: 640 x 480	4K: 4096 x 2160 Full HD: 1920 x 1080 HD: 1280 x 720	Full HD: 1920 x 1080 HD: 1280 x 720 SD: 640 x 480	Full HD: 1920 x 1080 HD: 1280 x 720 4K Time-lapse: 3840 x 2160 Full HD Time-lapse: 1920 x 1080			
Video Frame Rate	4096 x 2160 (4K): 60p (59.94) / 30p (29.97) / 24p / 23.98p, 1920 x 1080 (Full HD): 120p (119.9) / 60p (59.94) / 30p (29.97) / 24p / 23.98p	1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976), 1280 x 720 (HD): 60p (59.94) / 50p, 640 x 480 (SD): 30p (29.97) / 25p	4096 x 2160 (4K)***: 30p (29.97) / 24p / 23.98p, 1920 x 1080 (Full HD): 60p (59.94) / 30p (29.97) / 24p / 23.98p, 1280 x 720 (HD): 120p (119.9)	1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976), 1280 x 720 (HD): 60p (59.94) / 50p, 640 x 480 (SD): 30p (29.97) / 25p	1920 x 1080 (Full HD): 60p (59.94) / 30p (29.97) / 24p (23.98), 1280 x 720 (HD): 60p (59.94) / 30p (29.97), 3840 x 2160 (4K Time-lapse): 30p (29.97), 1920 x 1080 (Full HD Time-lapse): 30p (29.97)			
AF Points	61 selectable AF points 41 Cross-type AF points 5 Dual Cross-type AF points 61 AF points at f/8****	61 selectable AF points 41 Cross-type AF points 5 Dual Cross-type AF points 1 AF point at f/8	61 selectable AF points 41 Cross-type AF points 5 Dual Cross-type AF points 61 AF point at f/8	61 selectable AF points 41 Cross-type AF points 5 Dual Cross-type AF points 1 AF point at f/8	45 AF points* 45 All Cross-type AF points			
Autofocus Sensitivity	EV -3 to 18 (Center AF Point, ISO 100)	EV -2 to 18 (Center AF Point, ISO 100)	EV -3 to 18 (Center AF Point, ISO 100)	EV -2 to 18 (at ISO 100 with f/1.4 lens)	EV -3 to 18 (Center, f/2.8, One-Shot AF, ISO 100)			
Anti-flicker Feature	Yes	Yes	Yes	–	Yes			
Built-in GPS**	Yes	–	Yes	–	Yes			
Built-in Wireless Connection	–	–	Wi-Fi**** / NFC**	–	Wi-Fi**** / NFC** / Bluetooth**			
Viewfinder	Intelligent Viewfinder II Approx. 100% horizontal/vertical at 0.76x	Intelligent Viewfinder II Approx. 100% horizontal/vertical at 0.71x	Intelligent Viewfinder II Approx. 100% horizontal/vertical at 0.71x	Intelligent Viewfinder Approx. 100% horizontal/vertical at 0.71x	Intelligent Viewfinder II Approx. 98% horizontal/vertical at 0.71x			
LCD Monitor	3.2" Clear View II LCD Approx. 1,620,000 dots Touch Screen Function	3.2" Clear View II LCD Approx. 1,040,000 dots	3.2" Clear View II LCD Approx. 1,620,000 dots	3.2" Clear View II LCD Approx. 1,040,000 dots	Vari-angle Touch Screen, 3.0" Clear View II LCD Approx. 1,040,000 dots			
Recording Media	CF Card (Type I, UDMA 7 supported) + CFast™ Card (CFast 2.0™ supported)	CF Card (Type I, UDMA 7 supported) + SD/SDHC/SDXC Memory Card (UHS-I compatible)	CF Card (Type I, UDMA 7 supported) + SD/SDHC/SDXC Memory Card (UHS-I compatible)	CF Card (Type I, UDMA 7 supported) + SD/SDHC/SDXC Memory Card	SD/SDHC/SDXC Memory Card (UHS-I compatible)			
Maximum Burst Rate	CF Card (Standard): Approx. 59 RAW images CF Card (UDMA 7): Approx. 73 RAW images CFast 2.0™ Card: Approx. 170 RAW images	CF Card (Standard): Approx. 12 RAW images CF Card (UDMA 7): Approx. 14 RAW images SD Card (Standard): Approx. 12 RAW images SD Card (UHS-I): Approx. 14 RAW images	CF Card (Standard): Approx. 17 RAW images CF Card (UDMA 7): Approx. 21 RAW images SD Card (Standard): Approx. 17 RAW images SD Card (UHS-I): Approx. 19 RAW images	CF Card (Standard): Approx. 13 RAW images CF Card (UDMA 7): Approx. 18 RAW images SD Card (Standard): Approx. 12 RAW images	SD Card (Standard): Approx. 18 RAW images SD Card (UHS-I): Approx. 21 RAW images			
USB Compatibility	USB 3.0	USB 3.0	USB 3.0	USB 2.0	USB 2.0			
Body Dimensions (W x H x D)	Approx. 6.22 x 6.60 x 3.25 in. / 158.0 x 167.6 x 82.6mm	Approx. 6.0 x 4.6 x 3.0 in. / 152.0 x 116.4 x 76.4mm	Approx. 5.93 x 4.58 x 2.99 in. / 150.7 x 116.4 x 75.9mm	Approx. 6.0 x 4.6 x 3.0 in. / 152 x 116.4 x 76.4mm	Approx. 5.67 x 4.35 x 2.94 in. / 144.0 x 110.5 x 74.8mm			
Weight	Approx. 54.0 oz. / 1530g (CIPA standards) Approx. 47.3 oz. / 1340g (Body only)***	Approx. 32.8 oz. / 930g (CIPA standards) Approx. 29.8 oz. / 845g (Body only)***	Approx. 31.4 oz. / 890g (CIPA standards) Approx. 28.2 oz. / 800g (Body only)***	Approx. 33.5 oz. / 950g (CIPA standards) Approx. 30.3 oz. / 860g (Body only)***	Approx. 26.98 oz. / 765g (CIPA standards) Approx. 24.16 oz. / 685g (Body only)***			



EOS 6D Mark II



EOS 6D

CMOS Sensor	26.2 Megapixel Full-frame CMOS	20.2 Megapixel Full-frame CMOS
Image Processor	DIGIC 7	DIGIC 5+
ISO Range*	Still	ISO 100–40000 (Expandable ISO 50–102400)
	Video	ISO 100–25600 (Expandable ISO 100–102400)
Maximum Frames Per Second	6.5 fps**	4.5 fps
Top Shutter Speeds Range	Bulb, 30–1/4000 sec.	Bulb, 30–1/4000 sec.
Live View AF Technology	Dual Pixel CMOS AF	Contrast AF
Video Frame Size	Full HD: 1920 x 1080, HD: 1280 x 720 4K Time-lapse: 3840 x 2160, Full HD Time-lapse: 1920 x 1080	Full HD: 1920 x 1080, HD: 1280 x 720, SD: 640 x 480
Video Frame Rate	1920 x 1080 (Full HD): 60p (59.94) / 30p (29.97) / 24p (23.98) 1280 x 720 (HD): 60p (59.94) / 30p (29.97) 3840 x 2160 (4K Time-lapse): 30p (29.97) 1920 x 1080 (Full HD Time-lapse): 30p (29.97)	1920 x 1080 (Full HD): 30p (29.97) / 24p (23.976) 1280 x 720 (HD): 60p (59.94) 640 x 480 (SD): 30p (29.97)
AF Points	45 AF points† (45 All Cross-type AF points)	11 AF points (1 Cross-type AF point)
Auto Focus Sensitivity	EV -3 to 18 (Center, f/2.8, One-Shot AF, ISO 100)	EV -3 to 18 (Center AF Point, ISO 100)
Anti-flicker Feature	Yes	-
Built-in Wi-Fi***	Yes	Yes
Built-in NFC^	Yes	-
Built-in Bluetooth***	Yes	-
Built-in GPS**	Yes	Yes
Viewfinder	Intelligent Viewfinder II Approx. 98% horizontal/vertical at 0.71x	LED Viewfinder Approx. 97% horizontal/vertical at 0.71x
LCD Monitor	Vari-angle Touch Screen, 3.0" Clear View LCD II Approx. 1,040,000 dots	3.0" Clear View LCD Approx. 1,040,000 dots
Recording Media	SD/SDHC/SDXC Memory Card (UHS-I compatible)	SD/SDHC/SDXC Memory Card (UHS-I compatible)
Maximum Burst Rate	SD Card (Standard): Approx. 18 RAW images SD Card (UHS-I): Approx. 21 RAW images	SD Card (Standard): Approx. 14 RAW images SD Card (UHS-I): Approx. 17 RAW images
USB Compatibility	USB 2.0	USB 2.0
Body Dimensions (W x H x D)	Approx. 5.67 x 4.35 x 2.94 in. / 144.0 x 110.5 x 74.8mm	Approx. 5.7 x 4.4 x 2.8 in. / 144.5 x 110.5 x 71.2mm
Weight	Approx. 26.98 oz. / 765g (CIPA standards) Approx. 24.16 oz. / 685g (Body only)****	Approx. 26.7 oz. / 755g (CIPA standards) Approx. 24.0 oz. / 680g (Body only)****



* Standard output sensitivity. Recommended exposure index.

** Continuous shooting speed may vary depending on the shutter speed, the aperture, the lens being used, the battery charge and various camera settings.

*** 4K requires the following write speed requirements: CF UDMA7 (100MB/sec. or faster); SD UHS-I (90MB/sec. or higher).

**** Except when using the Canon EF 50mm f/2.5 Macro, EF 100mm f/2.8 Macro, EF 100mm f/2.8 Macro USM, EF 100mm f/2.8L Macro IS USM and EF 28-80mm f/2.8-4L USM lenses.

† The number of AF points, cross-type AF points and Dual cross-type AF points vary depending on the lens used.

** In certain countries and regions, the use of GPS may be restricted. Therefore be sure to use GPS in accordance with the laws and regulations of your country or region. Be particularly careful when traveling outside your home country. As a signal is received from GPS satellites, take sufficient measures when using in locations where the use of electronics is regulated.

*** Compatible with iOS* versions 8.4/9.3/10.2, Android** smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0/7.0/7.1. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.

^ Compatible with Android** smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0/7.0/7.1.

*** Compatible with select smartphone and tablet devices (Android** version 5.0 or later and the following iOS* devices: iPhone 4s or later, iPad 3rd gen. or later, iPod Touch 5th gen. or later) equipped with Bluetooth* version 4.0 or later and the Camera Connect App Ver. 2.0.40. This application is not guaranteed to operate on all listed devices, even if minimum requirements are met.

**** Without battery, cards, body cap or eyecup.

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