

Full Frame Comparison Chart



	EOS R5	EOS R6	EOS R	EOS RP	EOS 5D Mark IV	EOS 6D Mark II
Image Sensor	45.0 MP Full Frame CMOS	20.1 MP Full Frame CMOS	30.3 MP Full Frame CMOS	26.2 MP Full Frame CMOS	30.4 MP Full Frame CMOS	26.2 MP Full Frame CMOS
Image Processor	DIGIC X	DIGIC X	DIGIC 8	DIGIC 8	DIGIC 6+	DIGIC 7
Lens Mount	RF Mount	RF Mount	RF Mount	RF Mount	EF Mount	EF Mount
ISO Speeds (Stills)	ISO 100 - 51200 (ISO 50 - 102400 Expansion)	ISO 100 - 102400 (ISO 50 - 204800 Expansion)	ISO 100 - 40000 (ISO 50 - 102400 Expansion)	ISO 100 - 40000 (ISO 50 - 102400 Expansion)	ISO 100 - 32000 (ISO 50 - 102400 Expansion)	ISO 100 - 40000 (ISO 50 - 102400 Expansion)
ISO Speeds (Movies)	ISO 100 - 25600 (ISO 51200 Expansion)	ISO 100 - 25600 (ISO 204800 Expansion)	ISO 100 - 25600 (Full HD/HD) ISO 100 - 12800 (4K) (ISO 102400 Expansion)	ISO 100 - 25600 (Full HD/HD) ISO 100 - 12800 (4K) (ISO 102400 Expansion)	ISO 100 - 25600 (Full HD/HD) ISO 100 - 12800 (4K) (ISO 102400 Expansion)	ISO 100 - 25600 (ISO 102400 Expansion)
Continuous Shooting Speed	12 fps (Mechanical / Electronic 1st Curtain) 20 fps (Electronic)	12 fps (Mechanical / Electronic 1st Curtain) 20 fps (Electronic)	8.0 fps (One Shot) 5.0 fps (Servo AF)	5.0 fps (One Shot) 4.0 fps (Servo AF)	7.0 fps (Viewfinder) 7.0 fps (One Shot - Live View) 4.3 fps (Servo AF - Live View)	6.5 fps (Viewfinder) 6.5 fps (One Shot - Live View) 4.0 fps (Servo AF - Live View)
AF System / AF Point Positions / Zones	Dual Pixel CMOS AF II 5,940 AF Points (Manually Selectable) 1053 Zones (Auto Selection)	Dual Pixel CMOS AF II 6,072 AF Points (Manually Selectable) 1053 Zones (Auto Selection)	Dual Pixel CMOS AF 5,655 AF Points (Manually Selectable) 143 Zones (Auto Selection)	Dual Pixel CMOS AF (4K: Contrast AF) 4,779 AF Points (Manually Selectable) 143 Zones (Auto Selection)	Phase Detection 61-Points (41 Cross-Type) Dual Pixel CMOS AF 63 AF Points	Phase Detection 45-Points (45 Cross-Type) Dual Pixel CMOS AF 63 AF Points
Dual Pixel AF Coverage Area (H x V)	100% x 100% (Face + Tracking) 90% x 100%	100% x 100% (Face + Tracking) 90% x 100%	88% x 100%	88% x 100%	80% x 80%	80% x 80%
Subject Detection	People: Face / Eye / Head Animals: Face / Eye / Body	People: Face / Eye / Head Animals: Face / Eye / Body	People: Face / Eye	People: Face / Eye	People: Face	People: Face
AF Brightness Range (@ f1.2)	EV -6 to 20 (Stills) / EV -4 to 20 (Full HD / 4K) EV -3 to 20 (8K)	EV -6.5 to 20 (Stills) / EV -5 to 20 (Movie)	EV -6 to 18 (Stills) / EV -4 to 18 (Movies)	EV -5 to 18 (Stills) / EV -2.5 to 18 (Movies)	EV -3 to 18 @ f2.8 (Viewfinder) EV -4 to 18 (Live View / Full HD 30p) EV -3 to 18 (4K) EV -2 to 18 (Full HD 60p)	EV -3 to 18 @ f2.8 (Viewfinder) EV -2.5 to 18 (Live View / Movies)
Shutter Speed	1/8000 sec to 30 sec / Bulb	1/8000 sec to 30 sec / Bulb	1/8000 sec to 30 sec / Bulb	1/4000 sec to 30 sec / Bulb	1/8000 sec to 30 sec / Bulb	1/4000 sec to 30 sec / Bulb
Flash Sync Speed	1/200 sec (1/250 sec Electronic 1st. Curtain)	1/200 sec (1/250 sec Electronic 1st. Curtain)	1/200 sec	1/180 sec	1/200 sec	1/180 sec
In-Body Image Stabilization	5-AXIS IBIS (Up to 8 Stops)	5-AXIS IBIS (Up to 8 Stops)	-	-	-	-
Viewfinder	0.5" 5.76 Million Dot OLED (60 fps / 120 fps frame rate)	0.5" 3.69 Million Dot OLED (60 fps / 120 fps frame rate)	0.5" 3.69 Million Dot OLED (30 fps / 60 fps frame rate)	0.39" 2.36 Million Dot OLED (30 fps / 60 fps frame rate)	Optical	Optical
Viewfinder Magnification (Approx)	0.76x	0.76x	0.76x	0.70x	0.71x	0.71x
LCD	3.2" 2.1 Million Dots Vari-Angle Touch LCD	3.0" 1.62 Million Dots Vari-Angle Touch LCD	3.15" 2.1 Million Dot Vari-Angle Touch LCD	3.0" 1.04 Million Dot Vari-Angle Touch LCD	3.2" 1.62 Million Dot Touch LCD	3.0" 1.04 Million Dot Vari-Angle Touch LCD
Movie Resolution / Frame Rates (NTSC)	8K RAW / 8K DCI: 30p / 24.00p / 24p 8K UHD: 30p / 24p 4K DCI: 120p / 60p / 30p / 24.00p / 24p 4K UHD: 120p / 60p / 30p / 24p Full HD: 60p / 30p / 24p	4K UHD: 60p / 30p / 24p Full HD: 120p / 60p / 30p / 24p	4K UHD (Crop): 30p / 24.00p / 24p Full HD: 60p / 30p / 24.00p / 24p HD: 120p / 60p / 30p	4K UHD (Crop): 24p Full HD: 60p / 30p / 24p HD: 60p / 30p	4K UHD (Crop): 30p / 24.00p / 24p Full HD: 60p / 30p / 24.00p / 24p HD: 120p	Full HD: 60p / 30p / 24p HD: 60p / 30p
Movie Compression	RAW (CRM) / H.265 (Log/HDR PQ) / H.264	H.265 (Log/HDR PQ) / H.264	H.264	H.264	M-JPEG (4K) / H.264	H.264
LOG Recording	Canon Log 10-Bit	Canon Log 10-Bit	Canon Log 8-Bit / 10-Bit (External)	-	Canon Log 8-Bit (Paid Upgrade)	-
Still Image Recording Format	JPEG / HEIF / C-Raw / RAW	JPEG / HEIF / C-Raw / RAW	JPEG / C-Raw / RAW	JPEG / C-Raw / RAW	JPEG / RAW	JPEG / RAW
Card Slots	Dual Card Slots CFexpress / SD (UHS-I/UHS-II)	Dual Card Slots SD (UHS-I/UHS-II)	Single Card Slot SD (UHS-I/UHS-II)	Single Card Slot SD (UHS-I/UHS-II)	Dual Card Slots CF / SD	Single Card Slot SD (UHS-I)
Wi-Fi / Bluetooth	Yes (5 GHz / 2.4 GHz) / Yes	Yes (2.4 GHz) / Yes	Yes (2.4 GHz) / Yes	Yes (2.4 GHz) / Yes	Yes (2.4 GHz) / No	Yes (2.4 GHz) / Yes
Battery Life (Stills) Approx. (CIPA Standard)	220 / 320 Shots* (Viewfinder) 320 / 490 Shots* (LCD) LP-E6NH *Smooth / Power Saving	250 / 380 Shots* (Viewfinder) 360 / 510 Shots* (LCD) LP-E6NH *Smooth / Power Saving	350 / 430 Shots* (Viewfinder) 370 / 450 Shots* (LCD) LP-E6N *Smooth / Power Saving	210 / 250 Shots* (Viewfinder) 250 / 270 Shots* (LCD) LP-E17 *Power Saving / Eco Mode	900 Shots (Viewfinder) 300 Shots (LCD) LP-E6N	1200 Shots (Viewfinder) 380 Shots (LCD) LP-E6N
Shutter Durability	500,000 Shutter Cycles	300,000 Shutter Cycles	200,000 Shutter Cycles	100,000 Shutter Cycles	150,000 Shutter Cycles	100,000 Shutter Cycles
Dimensions	138.5 x 97.5 x 88.0 mm 5.45 x 3.84 x 3.46 in.	138.4 x 97.5 x 88.4 mm 5.45 x 3.84 x 3.48 in.	135.8 x 98.3 x 84.4 mm 5.35 x 3.87 x 3.32 in.	132.5 x 85.0 x 70.0 mm 5.22 x 3.35 x 2.76 in.	150.7 x 116.4 x 75.9 mm 5.93 x 4.58 x 2.99 in.	144.0 x 110.5 x 74.8 mm 5.67 x 4.35 x 2.94 in.
Weight	738g	680g	660g	485g	890g	765g

Specifications and availability subject to change without notice. Weight and dimensions are approximate. Not responsible for typographical errors. © 2020 Canon Canada, Inc. All rights reserved. Canon and EOS are registered trademarks of Canon Inc. in Canada and may also be registered trademarks or trademarks in other countries.