Canon

EOS R6 Mark II

Type	
Type	Digital interchangeable lens, mirrorless camera
Image Processor	DIGIC X
Recording Media	(Two) SD card slots • Compatible with UHS-II • Eye-Fi cards and Multimedia cards (MMC) are not supported.
Compatible Lenses	Canon RF lens group (including RF-S lenses) When using Mount Adapter EF-EOS R: Canon EF or EF-S lenses (excluding EF-M lenses)
Lens Mount	Canon RF mount
Image Sensor	
Type	Full-frame CMOS sensor (compatible with Dual Pixel CMOS AF)
Effective Pixels	Approx. 24.2 megapixels
Screen Size	Approx. 36.0 x 24.0 mm
Pixel Unit	Approx. 6.00 µm square
Total Pixels	Approx. 25.6 megapixels
Aspect Ratio	3:2 (Horizontal: Vertical)
Color Filter System	RGB primary color filters
Low Pass Filter	Installed in front of the image sensor, non-detachable
Dust Deletion Feature	(1) Self Cleaning Sensor Unit • Removes dust adhering to the low-pass filter. • At power off only / Enable / Disable. Performed automatically (taking about approx. 2 sec. as indicated on the screen) or manually (taking about approx. 8 sec. as indicated on the screen). • After manually activated cleaning, the camera will automatically restart (Power OFF to ON). • When [Multi Shot Noise Reduction], [Multiple exposures], or [HDR mode] is set, [Clean now] and [Clean manually] cannot be selected. (2) Dust Delete Data acquisition and appending • The coordinates of the dust adhering to the low-pass filter are detected by a test shot and appended to subsequent images. • The dust coordinate data appended to the image is used by the EOS software to automatically erase the dust spots. • Not available with RF-S/EF-S lenses, in cropped shooting, during focus bracket shooting, in FAW burst mode, or multiple-exposure shooting. (3) Manual cleaning (by hand)

Recording System

Recording Format

Compliant to Design rule for Camera File system 2.0 and Exif 2.31*.
*Supports time difference information in Exif 2.31.

Image Format

JPEG, HEIF, RAW / C-RAW / Dual Pixel RAW/ RAW burst (CR3), C-RAW (Canon original) ;
Movies: ALL-I (Time-lapse video only), IPB (MP4)

File Size

	Image Quality	File Size [Approx. MB]	Possible Shots [Approx.]*1	Maximum Burst [Approx.]*	
				Standard Card*1	High-speed Card*2 (UHS-II)
JPEG*3	L (fine)	8.2	3700	540	1000 or more
	L (Normal)	4.4	6820	1000 or more	1000 or more
	M (fine)	4.6	3360	1000 or more	1000 or more
	M (Normal)	2.6	11450	1000 or more	1000 or more
	S1 (Fine)	3.1	9820	1000 or more	1000 or more
	S1 (Normal)	1.9	12840	1000 or more	1000 or more
	S2	1.8	16290	1000 or more	1000 or more
HEIF*□	L (fine)	8.3	3600	470	1000 or more
	L (Normal)	6.3	4690	1000 or more	1000 or more
	M (fine)	5.0	5830	1000 or more	1000 or more
	M (Normal)	3.9	7400	1000 or more	1000 or more
	S1 (Fine)	3.5	8390	1000 or more	1000 or more
	S1 (Normal)	2.8	10270	1000 or more	1000 or more
	S2	1.8	14250	1000 or more	1000 or more
RAW	RAW	26.1	1170	85	110
	C-RAW	13.2	2350	240	1000 or more
RAW+JPEG*3	RAW + L (fine)	26.1 + 8.2	890	85	110
	C-RAW + L (fine)	13.2 + 8.2	1430	170	390
RAW+HEIF*□	RAW + L (fine)	28.6 + 8.3	820	85	95
	C-RAW + L (fine)	15.8 + 8.3	1260	160	180

* At H+ Drive setting (12 fps), using Mechanical or 1st-curtain Electronic shutter.
*1: Number of shots using a 32 GB card that conforms to Canon testing standards.
*2: Number of shots using a 32 GB UHS-II card that conforms to Canon testing standards.
*3: When set to [HDR shooting (HDR PQ): Disable].
*4: When set to [HDR shooting (HDR PQ): Enable].

File Numbering	The following file numbers can be set: 1. File numbering methods a. Continuous numbering i. The numbering of captured images continues even after you replace the card. b. Auto reset i. When you replace the card, the numbering will be reset to start from 0001. If the new SD card already contains images, the numbering will continue from the last recorded image in the card. 2. Manual reset a. Resets the file number to 0001, and creates a new folder automatically. * When manually resetting the file number, folders can also be renamed.
RAW + JPEG / HEIF Simultaneous Recording	Simultaneous recording of any combination of RAW/C-RAW and JPEG/HEIF image-recording quality is supported.
Color Space	Selectable between sRGB and Adobe RGB
Picture Style	(1) Auto (2) Standard (3) Portrait (4) Landscape (5) Fine Detail (6) Neutral (7) Faithful (8) Monochrome (9) User Defined 1–3 • In Scene Intelligent Auto, [Auto] will be set automatically. • [Standard] is the default setting for [User Def. 1–3].
White Balance	
Settings	(1) Auto (Ambience priority/White priority) (2) Daylight (3) Shade (4) Cloudy*1 (5) Tungsten light (6) White fluorescent light (7) Flash (8) Custom (Custom WB) (9) Color temperature*2 *1: Effective also in twilight and sunset. *2: White balance can be adjusted during movie recording.
Auto White Balance	Option between ambience priority and white priority settings, using SET button
White Balance Shift	Blue/amber bias: ±9 levels Magenta/green bias: ±9 levels • Shifted from the color temperatue of the current WB mode. • Blue/amber and magenta/green shift can be set at the same time. WB Bracketing available, up to ±3 levels Blue/amber or magenta/green, via Quick Control Dial
Viewfinder	
Type	OLED color electronic viewfinder; 0.5-inch, approx. 3.69 million dots
Coverage	Approx. 100% vertically and horizontally relative to the shooting image area (with image quality L, at approx. 23mm eyepoint).
Magnification / Angle of View	Approx. 0.76x / Approx. 35.2 degrees (with 50mm lens at infinity, -1 m^{-1})
Eye Point	Approx. 23mm (at -1 m^{-1} from the eyepiece lens end)

Dioptric Adjustment Range	Approx. -4.0 to + 2.0 m^{-1} (dpt)
Viewfinder Information	(1) Maximum burst (2) Possible shots/Sec. until self-timer shoots (3) Focus Bracketing/ Multiple-exposure/HDR shooting/Multi Shot Noise Reduction/Bulb time/Interval timer (4) Shooting mode (5) AF method (6) AF operation (7) Image quality (8) Card (9) Drive mode (10) Metering mode (11) No. of remaining shots for focus braketing, multiple exposures, or interval timer (12) Electronic level (13) Movie recording time available (14) Battery level (15) Image Stabilizer (IS mode) (16) Histogram (Brightness/RGB) (17) Quick Control button (18) Anti-flicker shooting (19) White balance/White balance correction (20) Picture style (21) Auto Lighting Optimizer (22) Still photo cropping / Aspect ratio (23) AF point (1-point AF) (24) AEB/FEB (25) View Assist (26) HDR PQ (27) Flash ready / FE lock / High-speed sync (28) Electronic shutter (29) Touch shutter / Create folder (30) AE lock (31) Shutter speed / Multi-function lock warning (32) Aperture value (33) Wi-Fi® function (34) Wi-Fi® signal strength (35) Bluetooth® function (36) Exposure simulation (37) Magnify button (38) ISO speed (39) Highlight tone priority (40) Exposure compensation (41) Exposure level indicator
Autofocus	
Focus Method	Dual Pixel CMOS AF
Number of AF zones available for Automatic Selection	AF area: Horizontal: Approx. 100% x Vertical: Approx. 100% (100% x 100% AF coverage in Face Detect + Tracking AF; coverage can vary, depending upon lens being used) Stills: Max. 1053 zones (39 x 27) Movies: Max. 1053 zones (39 x27)
Selectable Positions for AF Point	AF area: Horizontal: Approx. 90% x Vertical: Approx. 100% Stills: Max. 4897 positions (83 x 59) Movies: Max 4067 positions (83 x 49)

Focusing brightness range (still photo shooting)	EV –6.5 to 21 (with an f/1.2 lens,* center AF point, One-Shot AF at room temperature, and ISO 100) * Except RF lenses with a Defocus Smoothing (DS) coating.
Focusing brightness range (movie recording)	4K: EV –4.0 to 21 Full HD: EV –4.5 to 21 (with an f/1.2 lens,* center AF point, One-Shot AF at room temperature, ISO 100, and 29.97 / 25.00 fps.) * Except RF lenses with a Defocus Smoothing (DS) coating.
Available AF Areas	• Spot AF • 1-point AF • Expand AF area: Above/below/left/right • Expand AF area: Around • Flexible Zone AF 1 • Flexible Zone AF 2 • Flexible Zone AF 3 • Whole area AF
Available Subject Detection	• Auto • People • Animals (dogs / cats / birds / horses) • Vehicles (motorsports cars or motorcycles / aircraft / trains) * Certain types of animals or vehicles may not be detected, depending on shape and appearance
Eye Detection	**Auto:** • Selects the eye closer to the camera (as detected from the angle of the face). • At the same distance from the camera, selects the eye closer to the center of the image. **Right Eye:** • Prioritizes the subject's right eye. **Left Eye:** • Prioritizes the subject's left eye.
Exposure Control	
Metering Modes	Real-time metering from CMOS image sensor (384 [24x16] metering zones) (1) Evaluative metering (AF point-linked) (2) Partial metering (approx. 5.9% of the area at the center of the screen) (3) Spot metering (approx. 3.0% of the area at the center of the screen) (4) Center-weighted average metering
Metering Range	EV -3 – 20 (at 73°F/23°C, ISO 100) (Still Photo Shooting)
Exposure Modes	(1) Scene Intelligent Auto (2) Hybrid Auto (3) Special Scenes (4) Creative Filters (5) Flexible-priority AE (6) Program AE (7) Shutter-priority AE (8) Aperture-priority AE (9) Manual Exposure (10) Bulb Exposure (11) Custom Shooting Modes C1, C2, C3

ISO Speed Range

Manually Set

Normal	ISO 100–102400 (in 1/3- or 1-stop increments)
Expanded	L: equivalent to ISO 50, H: 204800

- For [Highlight tone priority], the settable ISO speed range will be ISO 200 to 102400.
- Expanded ISO cannot be set for HDR mode or during HDR PQ shooting.

ISO Auto range settings in still photo shooting

Auto Range	ISO Speed
Minimum	ISO 100–51200 (in 1-stop increments)
Maximum	ISO 200–102400 (in 1-stop increments)

ISO Auto details in still photo shooting

Shooting mode	No Flash	Using Flash	
		Compatible Lens	Incompatible Lens
Auto / Hybrid Auto	ISO 100–25600	ISO 100–6400	ISO 100–1600
Special Scenes	Varies by shooting mode		
Creative Filters	Varies by shooting mode		
Fv / P / Tv / Av / M	ISO 100*1*2–102400*2	ISO 100*1*2–6400*2	ISO 100*1*2–1600*2
B	ISO 400*3	ISO 400*3	

*1: ISO 200 when set to [Highlight tone priority: Enable/Enhanced].
*2: Varies depending on the [Maximum] and [Minimum] settings for [Auto range].
*3: If outside the setting range, changed to the value closest to ISO 400.

Exposure Compensation

User-set	±3 stops in 1/3- or 1/2-stop increments
AEB	±3 stops in 1/3- or 1/2-stop increments

AE Lock

(1) Auto AE lock
- AE is locked as soon as subjects are in focus using One-Shot AF when set to selected metering mode in [C.Fn2: AE lock meter. mode after focus].

(2) User-set AE lock
- Use the AE lock button (update by pressing the button again) in Fv, P, Tv, Av, and M mode.
- Enabled in all metering modes.

Shutter

Type

Electronically controlled focal-plane shutter
(1) Electronic first curtain
(2) Mechanical shutter
(3) Electronic shutter*

* Cannot be used in conjunction with the following functions: flash photography, HDR shooting, multiple exposures, Multi Shot Noise Reduction, AEB, HDR PQ, anti-flicker shooting, Dual Pixel RAW shooting, Digital Lens Optimizer [High].

* A shutter release sound is not generated. However, note that the sounds other than the shutter release sound (aperture, focusing lens drive sound/electronic sound, etc.) may be generated.

* In electronic shutter shooting under conditions such as flash firing by other cameras or with fluorescent lighting or other flickering light sources, a strip of light or banding due to the brightness difference may be recorded in the image.

Shutter Speeds

Mechanical / 1st-curtain Electronic shutter:
1/8000th sec – 30 seconds, in 1/3 or ½-step increments
Electronic shutter:
1/8000th sec – 30 seconds, in 1/3 or ½-step increments (1/16,000th possible, if user-set in Tv or M shooting modes)

X-sync Speed

Mechanical Shutter: 1/200 sec.
Elec. 1st-curtain: 1/250 sec.

Shutter Release	Soft-touch electromagnetic release
Self Timer	10-sec. delay, 2-sec. delay, Continuous

Image Stabilization (IS mode)

Still Photo IS	In-body IS operation can be selected when using a non-IS lens. • Always on • Only for shot (no stabilization in viewfinder/LCD screen between shots) Coordinated IS when used with Canon RF or RF-S lenses having optical Image Stabilization

External Speedlite

Accessory Shoe	Canon Multi-function accessory shoe • Optional Canon AD-E1 adapter required for conventional shoe-mount flashes and accessories
E-TTL balance	Ambience priority, standard, flash priority
Flash Exposure Compensation	±3 stops in 1/3- or 1/2-stop increments
Continuous flash control	E-TTL each shot / E-TTL 1st shot

Drive System

Drive Modes and Continuous Shooting Speed

Drive Modes	Operating Modes	Mechanical Shutter	Electronic 1st curtain	Electronic shutter
Single Shooting		Yes	Yes	Yes
High-speed Continuous Shooting + *1	**Mode A**	Approx. 12 shots/sec.*2.		Approx. 40 shots/sec
	Mode B	Approx. 9.2 shots/sec.*2		
	Mode C	Approx. 6.6 shots/sec.		
High-speed Continuous Shooting *1	**Mode A**	Approx. 5.5 shots/sec.*2	Approx. 7.0 shots/sec.*2	Approx. 20 shots/sec
	Mode B	Approx. 5.2 shots/sec.*2	Approx. 6.6 shots/sec.*2	
	Mode C	Approx. 3.5 shots/sec.	Approx. 4.3 shots/sec.	
Low-speed Continuous Shooting		Approx. 3.0 shots/sec.*2		Approx. 5 shots/sec
Self-timer: 10 sec / remote control		Yes		
Self-timer: 2 sec / remote control		Yes		
Self-timer: Continuous		Yes		

1. Continuous shooting speed is lower under certain shooting and measurement conditions: shutter speed, aperture value subject conditions, brightness, type of lens, timing when internal memory becomes full (temporarily disables shooting)

- Mechanical / electronic 1st curtain: use of flash, anti-flicker shooting: Enable, Dual Pixel RAW shooting- Enable, type of battery, battery level, temperature, use of a battery grip, use of WFT, use of built-in Wi-Fi.
- Electronic shutter: State of aperture in continuous shooting

* With Certain lenses, zooming during continuous shooting with electronic shutter may cause changes in exposure even at the same f/number.

2. Automatically switches among modes A (drive mode icon lit in green), B (drive mode icon lit in white), and C (drive mode icon flashing in white). Operating Mode is for reference only — automatically set by camera, is dependent on factors such as battery power level, battery type, and lens in use, and cannot be set by user.

* For flash shooting, values for AE, flash metering, and WB do not change after the first shot.

HDR Shooting

HDR Shooting (HDR PQ)	Disable / Enable

Still Photo HDR PQ

Recording format	Bit depth	Color sampling method	HDR specification
HEIF	10 bit	YCbCr 4:2:2	ITU-R BT.2100 (PQ)

Movie HDR PQ

Recording format	Bit depth	Color sampling method	HDR specification
mp4	10 bit	YCbCr 4:2:2	ITU-R BT.2100 (PQ)

Continuous HDR Shooting (still images)

1 shot only / Every shot

Video Shooting

Shooting Times

Resolution and Frame Rate	Mode	Approx. Continuous Shooting Time*1,2,3
4K 59.94p (without crop)	100% sensor width (6K oversampling)	40 min. or longer
4K 59.94p (crop)	APS-C Crop	50 min. or longer
4K 29.97p (without crop)	100% sensor width (6K oversampling)	No limit with heating
Full HD 179.82p	100% sensor width	60 min. or longer

*1 Time available for continuous shooting in 23°C / 73°F environment, from a cold start. If the camera is in LV mode standby before shooting or the ambient temperature is high, the shooting time may be shorter.

*2 According to Canon measurement conditions when using UHS-II cards conforming to Canon testing standards.

*3 The maximum duration of shooting may be shorter under some circumstances even if recording begins from "cold start," due to a rise in temperature inside the camera caused by pre-shooting camera setting operations or by prolonged use of the Live View mode. When the card is full, movie recording stops automatically. In this case, duration time when you erase the data and restart shooting.

File Format

Normal Movies

Canon Log		OFF		ON (Canon Log 3)
HDR PQ		**OFF**	**ON**	**OFF**
Container format		MP4		
Bit depth		8 bit	10 bit	
Compression		H.264 / MPEG-4 AVC	H.265 / HEVC	
Video signal recording range		Full range (0-255)	Full range (0-1023)	Full range (128-1020)
Color sampling method		YCbCr 4:2:0	YCbCr 4:2:2	
Standards compliance		Rec.ITU-R BT.709	Rec. ITU-R BT.2100	—
Color gamut		Rec.709	Rec.2020	Rec.709 / Rec.2020 / Cinema Gamut
Audio	**IPB (Standard)***	AAC / Linear PCM		
	IPB (Light)	AAC		

* Recording in AAC when [Audio compression] (C.Fn4) is set to [Enable] or Linear PCM when set to [Disable].

Estimated Recording time, Movie Bit Rate and File Size

H.264/AVC (Canon Log: Off, HDR PQ: Off)

Video Recording Size			Total Recording Time (approx.)			Bit Rate/File Size (approx.)
			32 GB	128 GB	512 GB	
4K UHD 4K UHD cropped	59.94 fps 50.00 fps	IPB (Standard)	18 min.	1 hr.14 min.	4 hr.56 min.	230 Mbps 1647 MB/min.
		IPB (Light)	35 min.	2 hr. 21 min.	9 hr. 27 min.	120 Mbps 860 MB/min.
	29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	35 min.	2 hr. 21 min.	9 hr. 27 min.	120 Mbps 860 MB/min.
		IPB (Light)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 52 min.	60 Mbps 431 MB/min.
4K UHD (Time-lapse movie)	29.97 fps 25.00 fps	ALL-I	9 min.	36 min.	2 hr.25 min.	470 Mbps 3362 MB/min.
Full UHD (High Frame Rate movie)	172.82 fps 150.00 fps	IPB (Standard)	23 min.	1 hr.34 min.	6 hr.19 min.	180 Mbps 1287 MB/min
		IPB (Light)	40 min.	2 hr.42 min.	10 hr.50 min.	105 Mbps 751 MB/min
	119.88 fps 100.00 fps	IPB (Standard)	35 min.	2 hr. 22 min.	9 hr. 28 min.	120 Mbps 858 MB/min
		IPB (Light)	1 hr. 0 min.	4 hr. 3 min.	16 hr. 15 min.	70 Mbps 501 MB/min
Full HD Full HD cropped	59.94 fps 50.00 fps	IPB (Standard)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 52 min.	60 Mbps 431 MB/min.
		IPB (Light)	2 hr. 0 min.	8 hr. 3 min.	32 hr. 15 min.	35 Mbps 252 MB/min.
	29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	2 hr. 20 min.	9 hr. 23 min.	37 hr. 35 min.	30 Mbps 216 MB/min.
		IPB (Light)	5 hr. 47 min.	23 hr. 11 min.	92 hr. 47 min.	12 Mbps 88 MB/min.
Full HD (Time-lapse movie)	29.97 fps 25.00 fps	ALL-I	47 min.	3 hr. 9 min.	12 hr. 38 min.	90 Mbps 644 MB/min.

* Bit rate only applies to video output, not audio or metadata.
* Audio is recorded when [C.Fn4 audio compression:Enable] (Audio: AAC) is set.
* Movie recording stops when the maximum recording time per movie is reached.
* No audio is recorded for approx. the last two frames with the compression method for movie recording quality set to IPB (Standard) or IPB (Light) and the camera set to [C.Fn4 Audio compression: Enable]. Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.
* Mbps — megabits per second (8 megabits = 1 megabyte)

Estimated Recording Time, Continued.

H.265/HEVC (Canon Log: On or HDR PQ: On)

Video Recording Size			Total Recording Time (approx.)			Bit Rate/File Size (approx.)
			32 GB	128 GB	512 GB	
4K UHD 4K UHD cropped	59.94 fps 50.00 fps	IPB (Standard)	12 min.	50 min.	3 hr. 20 min..	340 Mbps 2434 MB/min.
		IPB (Light)	25 min.	1 hr. 40 min.	6 hr. 40 min.	170 Mbps 1218 MB/min.
	29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	25 min.	1 hr. 40 min.	6 hr. 40 min.	170 Mbps 1218 MB/min.
		IPB (Light)	50 min.	3 hr. 20 min.	13 hr. 20 min.	85 Mbps 610 MB/min.
4K UHD (Time-lapse movie)	29.97 fps 25.00 fps	ALL-I	9 min.	36 min.	2 hr.25 min.	470 Mbps 3362 MB/min.
Full UHD (High Frame Rate movie)	172.82 fps 150.00 fps	IPB (Standard)	15 min.	1 hr. 3 min.	4 hr. 12 min..	270 Mbps 1931 MB/min
		IPB (Light)	28 min.	1 hr. 53 min.	7 hr. 35 min.	150 Mbps 1073 MB/min
	119.88 fps 100.00 fps	IPB (Standard)	23 min.	1 hr. 34 min.	6 hr. 19 min.	180 Mbps 1287 MB/min
		IPB (Light)	42 min.	2 hr. 50 min.	11 hr. 22 min.	100 Mbps 715 MB/min
Full HD Full HD cropped	59.94 fps 50.00 fps	IPB (Standard)	47 min.	3 hr. 9 min.	12 hr. 36 min.	90 Mbps 646 MB/min.
		IPB (Light)	1 hr. 24 min.	5 hr. 39 min.	22 hr. 38 min.	50 Mbps 360 MB/min.
	29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	1 hr. 34 min.	6 hr. 17 min.	25 hr. 8 min.	45 Mbps 324 MB/min.
		IPB (Light)	2 hr. 30 min.	10 hr. 3 min.	40 hr. 15 min.	28 Mbps 202 MB/min.
Full HD (Time-lapse movie)	29.97 fps 25.00 fps	ALL-I	31 min.	2 hr. 6 min.	8 hr. 25 min.	135 Mbps 966 MB/min.

* Bit rate only applies to video output, not audio or metadata.

* Audio is recorded when [C.Fn4 audio compression:Enable] (Audio: AAC) is set.

* Movie recording stops when the maximum recording time per movie is reached.

31 min.

* No audio is recorded for approx. the last two frames with the compression method for movie recording quality set to IPB (Standard) or IPB (Light) and the camera set to [C.Fn4 Audio compression: Enable]. Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.

* Mbps — megabits per second (8 megabits = 1 megabyte)

<table>
<tr><td>Card Performance Requirements</td><td>
<table>
<tr><th colspan="3">Movie Recording Size</th><th colspan="2">SD Card</th></tr>
<tr><th>Resolution</th><th>Frame rate (fps)</th><th>Compression Method</th><th>H.264/ MPEG-4 AVC (Canon Log: OFF, HDR PQ: OFF)</th><th>H.264/ MPEG-4 AVC (Canon Log: ON, HDR PQ: ON)</th></tr>
<tr><td rowspan="4">4K UHD
4K UHD Cropped</td><td rowspan="2">59.94 fps
50.00 fps</td><td>IPB (Standard)</td><td>UHS Speed Class 3 or higher</td><td>Video Speed Class V60 or higher</td></tr>
<tr><td>IPB (Light)</td><td colspan="2">UHS Speed Class 3 or higher</td></tr>
<tr><td rowspan="2">29.97 fps
25.00 fps
23.98 fps</td><td>IPB (Standard)</td><td colspan="2">UHS Speed Class 3 or higher</td></tr>
<tr><td>IPB (Light)</td><td>SD Speed Class 10 or higher</td><td>UHS Speed Class 3 or higher</td></tr>
<tr><td>4K UHD (Time-lapse movie)</td><td>29.97 fps
25.00 fps</td><td>ALL-I</td><td colspan="2">Read speed of 60 MB/sec. or higher</td></tr>
<tr><td rowspan="4">Full HD High Frame Rate movies</td><td rowspan="2">179.82 fps
150.00 fps</td><td>IPB (Standard)</td><td>UHS Speed Class 3 or higher</td><td>Video Speed Class V60 or higher</td></tr>
<tr><td>IPB (Light)</td><td>UHS Speed Class 3 or higher</td><td>UHS Speed Class 3 or higher</td></tr>
<tr><td rowspan="2">119.88 fps
100.00 fps</td><td>IPB (Standard)</td><td colspan="2">UHS Speed Class 3 or higher</td></tr>
<tr><td>IPB (Light)</td><td>SD Speed Class 10 or higher</td><td>UHS Speed Class 3 or higher</td></tr>
<tr><td rowspan="4">Full HD
Full HD cropped</td><td rowspan="2">59.94 fps
50.00 fps</td><td>IPB (Standard)</td><td>SD Speed Class 10 or higher</td><td>UHS Speed Class 3 or higher</td></tr>
<tr><td>IPB (Light)</td><td>SD Speed Class 6 or higher</td><td>SD Speed Class 10 or higher</td></tr>
<tr><td rowspan="2">29.97 fps
25.00 fps
23.98 fps</td><td>IPB (Standard)</td><td colspan="2">SD Speed Class 6 or higher</td></tr>
<tr><td>IPB (Light)</td><td colspan="2">SD Speed Class 4 or higher</td></tr>
<tr><td>Full HD (Time-lapse movie)</td><td>29.97 fps
25.00 fps</td><td>ALL-I</td><td colspan="2">Read speed of 30 MB/s or higher</td></tr>
</table>
</td></tr>
<tr><td>Video AF</td><td>Dual Pixel CMOS AF; Movie Servo AF available in AF Menu</td></tr>
<tr><td>Exposure Compensation</td><td>±3 stops in 1/3- or 1/2-stop increments</td></tr>
<tr><td>Time Code</td><td>Yes (Count up, Start time setting, Movie recording count, Movie play count, HDMI time code on/off, HDMI rec. command on/off, Drop frame enable/disable)</td></tr>
<tr><td>Movie Pre-recording (On/Off)</td><td>3 or 5 seconds; user-selectable</td></tr>
<tr><td>Time-lapse Movie Setting</td><td>Interval 2 sec – 99:59:59; Number of frames 2–3,600; Movie recording size 4K/Full HD; Auto exposure fixed @ first frame/auto for each frame; Beep per frame recorded (volume setting 0/silent – 5)</td></tr>
<tr><td>Time-lapse Playback Frame Rate</td><td>29.97 (set to NTSC); 25.00fps (set to PAL)</td></tr>
<tr><td colspan="2">LCD Screen</td></tr>
<tr><td>Type</td><td>TFT color, liquid-crystal monitor</td></tr>
<tr><td>Monitor Size</td><td>3.0-inch (screen aspect ratio of 3:2)
2.95 in./7.5cm diagonal (2.44 in./6.2cm width, 1.65 in./4.2cm height)</td></tr>
<tr><td>Dots</td><td>Approx. 1.62 million dots</td></tr>
<tr><td>Coverage</td><td>Approx. 100% vertically/horizontally</td></tr>
<tr><td>Brightness Control</td><td>Manually adjustable to one of seven brightness levels</td></tr>
</table>

<table>
<tr><td>Touch-screen Operation</td><td>Supported for AF Point selection; Touch AF; Touch Shutter; Menu selection; Quick Control Menu; Magnified view</td></tr>
<tr><td>Coating</td><td>Clear View LCD II
• Anti-smudge coating applied.
• Anti-reflection coating not applied.</td></tr>
<tr><td>Interface Languages</td><td>29 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Ukraine, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Malay, Indonesian, Japanese)</td></tr>
<tr><td colspan="2">Playback</td></tr>
<tr><td>Display Format</td><td>
<table>
<tr><th>Item</th><th>Still Photo</th><th>Movie</th></tr>
<tr><td>Magnify zoom display</td><td>1.5x–10x (15 levels)</td><td>-</td></tr>
<tr><td>AF point display</td><td>Yes</td><td>-</td></tr>
<tr><td>Grid display</td><td>Off / 3×3 / 6×4 / 3×3+diag</td><td>-</td></tr>
<tr><td>Zebra display</td><td>-</td><td>Yes</td></tr>
<tr><td>False Color display</td><td>-</td><td>Yes</td></tr>
<tr><td>Rating</td><td colspan="2">OFF / 1 to 5 Stars
Select images / Select range / All images in folder / All images on card / All found images</td></tr>
<tr><td>Image Search</td><td colspan="2">Search conditions
Rating / Date / Folder / Protection / Type of file</td></tr>
<tr><td>Protect</td><td colspan="2">Select images / Select range / All images in folder / Unprotect all images in folder / All images on card / Unprotect all images on card / All found images</td></tr>
<tr><td>Shooting information display</td><td colspan="2">No information display / Basic information display / Detailed shooting information display</td></tr>
</table>
</td></tr>
<tr><td>Highlight Alert</td><td>White areas without image data blink in single-image display.</td></tr>
<tr><td>Histogram</td><td>Brightness / RGB</td></tr>
<tr><td colspan="2">Quick Control Function</td></tr>
<tr><td>Function</td><td>The Quick Control screen can be accessed by pressing the Quick Control button during shooting, recording, or playback.</td></tr>
<tr><td>Quick Control Screen</td><td>The following settings are available for the [Quick Control screen] during movie recording.
• View 1: Conventional Quick Control screen
• View 2: Cinema EOS-style Quick Control screen</td></tr>
<tr><td colspan="2">Image Protection and Erase</td></tr>
<tr><td>Protection</td><td>(1) Single image (select image)
(2) Select range
(3) All images in a folder
(4) All images on card
• Image browsing and image search can be based on ratings.
• Ratings-based image selections also possible with DPP.
(5) All found images (only during image search)</td></tr>
<tr><td>Erase</td><td>Except protected images
(1) Select images to erase
(2) Select range
(3) All images in folder
(4) All images on card
(5) All found images (only during image search)</td></tr>
</table>

Direct Printing

Compatible Printers

Direct printing from camera not supported

DPOF: Digital Print Order Format

DPOF

Compliant to DPOF Version 1.1

Wi-Fi®

Supporting Standards

Equivalent to IEEE 802.11b/g/n/a/ac Standards

Transmission Method

DS-SS modulation (IEEE 802.11b)
OFDM modulation (IEEE 802.11g/n/a/ac)

Transition Frequency (Central Frequency)

2.4 GHz band
Frequency: 2412 to 2462 MHz
Channels: 1 to 11 channels
5.0 GHz band
Frequency: 5180 to 5825 MHz
Channels: 36 to 165 channels

Connection Method

(1) Camera access point mode
(2) Infrastructure mode

Security

Connection Method	Authentication	Encryption	
		Encryption	Key Format and Length
Camera Access Point	WPA2 / WPA3-Personal	AES	• ASCII 8 characters
	Open	Disable	
Infrastructure	Open	WEP	• Hexadecimal 10 digits • Hexadecimal 26 digits • ASCII 5 characters • ASCII 13 characters
		Disable	
	Shared key	WEP	Same as WEP above
	WPA / WPA2 / WPA3-Personal	TKIP AES	1–127 characters
	WPA / WPA2 / WPA3-Enterprise		—

Communication with a Smartphone

• Images can be viewed, controlled, and received using a smartphone.
• Remote control of the camera using a smartphone is possible depending on the Camera Connect specifications.
• Images can be sent to a smartphone.
• NFC connection: Not supported
• Supported images: JPEG, HEIF, RAW/C-RAW, MP4 video files
• Transcoding while sending: Size to send (original / reduced size); Quality to send (original / compressed)

Remote Operation Using EOS Utility

The camera can be controlled via Wi-Fi® or USB, with Canon EOS Utility software installed in a compatible Mac or Windows computer.

Print from Wi-Fi® Printers

Not supported.

Send Images to a Web Service

image.canon: Video files (MP4) and JPEG, HEIF, RAW or C-RAW still images can be uploaded to image.canon servers.
From image.canon, images can be sent to specific social media and 3rd-party cloud image services.

Bluetooth®

Standards Compliance

Bluetooth Specification Version 5.0 compliant (Bluetooth Low Energy technology)

<table>
<tr><td>Transmission Method</td><td>GFSK modulation</td></tr>
<tr><td>Bluetooth Pairing</td><td>Smartphone — up to 10 devices; BR-E1 remote controller — 1 unit</td></tr>
<tr><td colspan="2">Customization</td></tr>
<tr><td>Available Functions</td><td>Dial direction during Tv/Av; Control ring rotation direction; Customize buttons; Customize dials</td></tr>
<tr><td colspan="2">Video Calls / Streaming</td></tr>
<tr><td>USB Video Class (UVC)</td><td>Available
* The camera is accessible to software (such as Zoom™, MS Teams™, Skype™, etc.) on a computer once connected via USB.</td></tr>
<tr><td>Custom Controls</td><td>Customizable Buttons<table><tr><td>Shutter button</td></tr><tr><td>Movie button</td></tr><tr><td>AF-ON button</td></tr><tr><td>AE lock button</td></tr><tr><td>AF point button</td></tr><tr><td>Depth of field preview button</td></tr><tr><td>Lens AF stop button</td></tr><tr><td>Multi-function button</td></tr><tr><td>Set button</td></tr><tr><td>Multi-controller</td></tr><tr><td>Lens function button</td></tr><tr><td>Speedlite menu direct button</td></tr></table></td></tr>
<tr><td>Customizable Dials</td><td><table><tr><td>Main dial</td></tr><tr><td>Quick control dial 1 & 2</td></tr><tr><td>Lens Control ring</td></tr></table></td></tr>
<tr><td>My Menu Registration</td><td>• Up to six top-tier menu items and Custom Functions can be registered.
• Up to five My Menu tabs can be added.<table><tr><td>My Menu tab overall operations</td><td>• Adding a tab
• Deleting tabs in a batch
• Deleting all tab items
• Setting the menu display</td></tr><tr><td>My Menu tab detailed operations</td><td>• Selecting a registered item
• Sorting registered items
• Deleting selected registered items
• Deleting registered items in a batch
• Deleting tabs
• Changing a tab name (16 ASCII characters)</td></tr></table></td></tr>
<tr><td colspan="2">Interface</td></tr>
<tr><td>USB Terminal</td><td>Equivalent to SuperSpeed Plus USB (USB 3.2 Gen 2)
• For PC communication
• Terminal type: USB Type-C
• Shared with terminal for in-camera charging with USB Power Adapter PD-E1.</td></tr>
<tr><td>HDMI Out Terminal</td><td>HDMI micro OUT terminal (Type D)
• Supports HDMI RAW output to compatible HDMI external recorders, 4K 60p output, and (to HDR TVs) HDR PQ video output.
• HDMI CEC not supported
• Images may not be displayed unless [For NTSC] or [For PAL] is set correctly for the TV video system.</td></tr>
</table>

Clean HDMI Output	Provided
Microphone terminal	3.5mm diameter stereo mini jack
Headphone terminal	Compatible with 3.5mm diameter stereo mini-plug
Power Source	
Battery	Canon LP-E6NH battery pack (also compatible with LP-E6N and LP-E6 battery packs) • With the AC Adapter AC-E6N + DC Coupler DR-E6, AC power is possible (AC Adapter Kit ACK-E6 can also be used). • With the USB Power Adapter PD-E1, in-camera charging of LP-E6NH is possible. The USB Power Adapter PD-E1 is not compatible with powering the camera.
Optional Battery Grip	Compatible with Canon Battery Grip BG-R10 (Accepts one or two LP-E6NH, LP-E6N, or LP-E6 battery packs)
Battery Check	Automatic battery check with 6-level display when the power switch is turned ON. Displayed in 6 levels in viewfinder, and on LCD screen. Battery info display in Set-up Menu: • Remaining capacity percentage • Shutter count, on current battery charge • Recharge performance (battery's ability to hold charge; displayed in 3 levels)
Start-up Time	Approx. 0.4 sec. • Based on CIPA testing standards.
Dimensions and Weight	
Dimensions (W x H x D)	Approx. 5.45 x 3.87 x 3.48 in. / 138.4 x 98.4 x 88.4mm • Based on CIPA standards.
Weight	Approx. 1.5 lbs. / 670g (including battery, SD memory card; without body cap) Approx. 1.3 lbs. / 588g (body only; without battery, card or body cap)
Operating Environment	
Working Temperature Range	32–104°F / 0–40°C
Working Humidity Range	85% or less