Canon

EOS R7

Type	
Type	Digital single-lens non-reflex AF/AE camera
Image Processor	DIGIC X
Recording Media	SD card • SD card speed class-compatible. • Compatible with UHS-II • Eye-Fi cards and Multimedia cards (MMC) are not supported.
Compatible Lenses	Canon RF-S/RF lens group (excluding EF, EF-S and EF-M 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	CMOS sensor (compatible with Dual Pixel CMOS AF)
Effective Pixels	Approx. 32.5 megapixels
Sensor Size	Approx. 22.3 x 14.8 mm
Pixel Size	Approx. 3.2 µm square
Total Pixels	Approx. 34.4 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. 7 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 Canon Digital Professional Software to automatically erase the dust spots. • Not available in focus bracketing, RAW 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.
Image Format	Still: JPEG, HEIF, RAW, Dual Pixel RAW, Raw Burst, C-RAW (CR3); Movies: ALL-I*, IPB, IPB Light * Time-lapse movies only
HDR Mode- Continuous Shooting	(1) 1 shot only (2) Every shot
Advanced shooting operations	(1) Focus Bracketing (2) Interval Timer (3) Bulb Timer (4) Multi-Shot NR
Image Quality	**3:2 Aspect Ratio** Large/HEIF/RAW: 6960 x 4640 Medium: 4800 x 3200 Small 1: 3472 x 2320* Small 2: 2400 x 1600 **4:3 Aspect Ratio** Large: 6160 x 4640* Medium: 4256 x 3200* Small 1: 3072 x 2320* Small 2: 2112 x 1600* RAW: 6960 x 4640 **16:9 Aspect Ratio** Large: 6960 x 3904* Medium: 4800 x 2688* Small 1: 3472 x 1952* Small 2: 2400 x 1344* RAW: 6960 x 4640 **1:1 Aspect Ratio** Large: 4640 x 4640 Medium: 3200 x 3200 Small 1: 2320 x 2320 Small 2: 1600 x 1600 RAW: 6960 x 4640 • Values for Recording Pixels are rounded to the nearest 100,000th. • RAW/C-RAW images are generated at 3:2, with information added about the specified aspect ratio, and JPEG images are generated at the specified aspect ratio. • These aspect ratios (M / S1 / S2) and pixel counts also apply to resizing. * Indicate an inexact proportion.
File Numbering	The following file numbers can be set: 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.
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
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[2] (Custom WB) (9) Color temperature [1] Effective also in twilight and sunset. [2] Setting method options include [Custom White Balance] and [Shoot to set WB].
Auto White Balance	Option between ambience priority and white priority settings.
White Balance Shift	Blue/amber bias: ±9 levels Magenta/green bias: ±9 levels • Corrected in reference to the current WB mode's color temperature. • Blue/amber and magenta/green shift can be set at the same time.
Viewfinder	
Type	OLED color electronic viewfinder; approx. 2.36 million dots resolution
Coverage	Approx. 100% vertically and horizontally relative to the shooting image area (with image quality L, at approx. 22mm eyepoint).
Magnification / Angle of View	Approx. 1.15x / Approx. 33 degrees (with 3:2 display, an 50mm lens at infinity, -1 m^{-1})
Eye Point	Approx. 22mm (at -1 m^{-1} from the eyepiece lens end)
Dioptric Adjustment Range	Approx. -4.0 to + 2.0 m^{-1} (dpt)
Autofocus	
Focus Method	Dual Pixel CMOS AF
Number of AF zones available for Automatic Selection	AF area: Horizontal: Approx. 100% x Vertical: Approx. 100%* Stills: Max. 651 zones (31 x 21) Movies: Max. 527 zones (31 x 17)
AF Working Range	EV -5 to 20 (f/1.2 lens*, center AF point, One-Shot AF, at room temperature, ISO 100) * Except RF lenses with a Defocus Smoothing (DS) coating.
Focusing brightness range (in movie recording)	Full HD 29.97fps : EV -3.5 to 20 With an f/1.2 lens*, center AF point, One-Shot AF,at room temperature, ISO 100 * Except RF lenses with a Defocus Smoothing (DS) coating.

<table>
<tr><td>AF Methods</td><td>
<table>
<tr><th>AF Method</th></tr>
<tr><td>Whole area AF</td></tr>
<tr><td>Spot AF</td></tr>
<tr><td>1-point AF</td></tr>
<tr><td>Expand AF Area
(Above, below, left and right, around)</td></tr>
<tr><td>Expand AF Area: Around</td></tr>
<tr><td>Flexible Zone AF 1,2,3</td></tr>
</table>
</td></tr>
<tr><td>Subject to Detect</td><td>People, Animals, Vehicles, No Priority
• Available with [AF Area] set to Whole area AF</td></tr>
<tr><td>Focus mode switch</td><td>AF / MF
• Applies when an RF or RF-S lens without a focus mode switch is attached.
• When lenses with a focus mode switch are attached, the setting on the lens takes precedence.</td></tr>
<tr><td colspan="2">Exposure Control</td></tr>
<tr><td>Metering Modes</td><td>Real-time metering with image sensor (384 zones [24x16 zone metering])
(1) Evaluative metering
(2) Partial metering (approx. 6.0% 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</td></tr>
<tr><td>Metering Range</td><td>Still Photo Shooting : EV -2 to 20 (at room temperature, ISO 100)
Movie Recording: EV 0 to 20 (at room temperature, ISO 100)</td></tr>
</table>

Exposure Control Modes

Mode dial		Shooting mode	
		Still photo shooting **Power switch: On**	**Movie recording** **Power switch: Movie**
Basic Zone	**A+**	Scene Intelligent Auto	Scene Intelligent Auto movies
	SCN	Special scene • Portrait • Group photo • Landscape • Panoramic shot • Sports • Kids • Panning • Close-up • Food • Night Portrait • Handheld Night Scene • HDR Backlight Control • Silent shutter	• HDR movies
	Creative filters	Creative filters • Grainy B/W • Soft focus • Fish-eye effect • Water painting effect • Toy camera effect • Miniature effect • HDR art standard • HDR art vivid • HDR art bold • HDR art embossed	• Dream • Old Movies • Memory • Dramatic B&W • Miniature effect movie
Creative Zone	**Fv**	Flexible-priority AE	Movie auto exposure
	P	Program AE	Movie auto exposure
	Tv	Shutter-priority AE	Movie shutter-priority auto exposure
	Av	Aperture-priority AE	Movie aperture-priority auto exposure
	M	Manual exposure	Movie manual exposure
	B	Bulb exposure	Movie auto exposure
Custom Shooting Modes	**C1, C2, C3**	Custom shooting	Custom shooting

ISO Speed Range

Available ISO speeds; user-set

Normal	ISO 100–32000 (in 1/3- or 1-stop increments)
Expanded	H (equivalent to ISO 51200)

- For [Highlight tone priority], the settable ISO speed range will be ISO 200 to 32000.
- Expanded ISO cannot be set for HDR mode or during HDR PQ shooting.

User-defined ISO range - still photo shooting

ISO Speed Range	ISO speed
Minimum	L 100 – 32000 (in 1-stop increments)
Maximum	ISO 200 – H (51200) (in 1-stop increments)

* Expanded ISO speeds are noted as being “equivalent” to these speeds.

User-defined Auto ISO range - still photo shooting

Auto Range	ISO speed
Minimum	ISO 100–25600 (in 1-stop increments)
Maximum	ISO 200–32000 (in 1-stop increments)

ISO Auto details in still photo shooting

Shooting mode		No Flash	Using Flash	
Variable control of maximum ISO Auto limit for E-TTL			Compatible lens	Incompatible lens
Creative Zone	P	ISO 100*1*2–32000*2	ISO 100*1*2–6400*2	ISO 100*1*2–1600*2
	TV			
	AV			
	M			
	B	ISO 400*3	ISO 400*3	ISO 400*3
Basic Zone	A+	ISO 100–6400	ISO 100–6400	ISO 100–1600
	SCN	Varies by shooting mode		
	Creative Filters	Varies by shooting mode		

* 1: ISO 200 when [Highlight tone priority] is set to [Enable] or [Enhanced].
* 2: Varies depending on [Maximum] and [Minimum] of [Auto range].
* 3: If outside the setting range, changed to the value most close to ISO 400.

Exposure Compensation

	Photo	Movie
Manual	±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
- The metering mode for AE lock after one-shot focus can be customized.

(2) User-applied AE lock
- In the Fv, P, Tv, Av and M modes, enabled with the AE lock button. (Press again to update.)
- Enabled in all metering modes.

Shutter

Type

(1) Mechanical
(2) Electronic 1st-Curtain
(3) Electronic Shutter (1st and 2nd curtain - silent*)
* 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

When [Mechanical] or [Elec. 1st- curtain] is set: 1/8000-30 sec, bulb
When [Electronic] is set: 1/16000-30 sec.

X-sync Speed

Mechanical Shutter: 1/250 sec.
Elec. 1st-curtain: 1/320 sec.

Shutter Release

Soft-touch electromagnetic release

Self Timer

10-sec. delay, 2-sec. delay

Shutter Lag Time

	Mechanical Shutter	Electronic 1st curtain	Electronic shutter
Shutter-release time lag *Measured with shutter button pressed fully from half-pressed position	Approx. 99 ms	Approx. 50 ms	Approx. 50 ms

Based on Canon testing standards.

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

5-axis Image Stabilization with RF/RF-S, EF/EF-S lenses

Lens				Lens IS		IBIS			5-axis Stabilization
Lens Mount	Lens IS Support			Pitch/ YAW	X/Y	Pitch/ YAW	X/Y	Roll	
RF/RF-S	IS Lens	Yes Hybrid IS	Photo	Yes*1	Yes	Yes*1		Yes	Yes
			Movie	Yes*1		Yes*1	Yes	Yes	
		No Hybrid IS	Photo	Yes*1		Yes*1	Yes	Yes	
			Movie	Yes*1		Yes*1	Yes	Yes	
	Non IS Lens		Photo			Yes	Yes	Yes	
			Movie			Yes	Yes	Yes	
EF/EF/S	IS Lens	Yes Hybrid IS	Photo	Yes	Yes			Yes	Yes
			Movie	Yes			Yes	Yes	
		No Hybrid IS	Photo	Yes			Yes	Yes	
			Movie	Yes			Yes	Yes	
	Non IS Lens		Photo			Yes	Yes	Yes	
			Movie			Yes	Yes	Yes	

- Y/P: Correction of angular camera shake (yaw/pitch); X/Y: Correction of shift- shake; Roll: Correction of roll shake.
- May not enable suitable coverage of the available stabilization area.
- *1: Coordinated control of lens optical IS and camera in-body IS

EOS R7 coordinated In-Body Image Stabilizer Still Shooting performance with RF & RF-S lenses

Lens	Coordinated Control IS	Focal Length	IS stop (CIPA Standard)
RF14-35mm F4 L IS USM	Yes	35mm	7
RF-S18-45mm F4.5-6.3 IS STM	Yes	45mm	6.5
RF-S18-150mm F3.5-6.3 IS STM	Yes	150mm	7
RF24-105mm F4L IS USM	Yes	105mm	8
RF24-105mm F4-7.1 IS STM	Yes	105mm	8
RF24-240mm F4-6.3 IS USM	Yes	240mm	6.5
RF70-200mm F2.8 L IS USM	Yes	200mm	7.5
RF70-200mm F4 L IS USM	Yes	200mm	7.5
RF100-400mm F5.6-8 IS USM	Yes	400mm	6
RF100-500mm F4.5-7.1 L IS USM	Yes	500mm	6
RF35mm F1.8 MACRO IS STM	Yes	35mm	7
RF100mm F2.8L MACRO IS USM	Yes	100mm	8
RF16mm F2.8 STM	-	16mm	6
RF50mm F1.8 STM	-	50mm	7

External Speedlite

E-TTL balance	Ambience priority, standard, flash priority
Compatible E-TTL Speedlites	Canon EX- and EL-series Speedlites
E-TTL II Flash Metering	(1) Evaluative (Face Priority) (2) Evaluative (3) Average

Slow Sync (P/Av modes)

Mechanical Shutter	Electronic 1st curtain
1/250–30 sec. auto	1/320–30 sec. auto
1/250–1/60 sec. auto	1/320–1/60 sec. auto
1/250 sec. (fixed)	1/320 sec. (fixed)

Flash Function Menu	Provided for EX- and EL-series Speedlites
Flash Exposure Compensation	±3 stops in 1/3- or 1/2-stop increments
Continuous flash control	1. E-TTL each shot 2. E-TTL 1st shot

Drive System

Drive Modes and Continuous Shooting Speed

Drive Modes	AF Operation	Mechanical Shutter	Electronic 1st curtain	Electronic shutter
Single Shooting		Yes	Yes	Yes
High-speed Continuous shooting +	One-Shot AF	Max. approx. 15 shots/sec.*1,6,8	Max. approx. 15 shots/sec.*1,6,8	Max. approx. 30 shots/sec.*3,8
	Servo AF			
High-speed Continuous shooting	One-Shot AF	Max. approx. 6.5 shots/sec.*5,6,8	Max. approx. 8.0 shots/sec.*4,5,6,8	Max. approx. 15 shots/sec.*2,8
	Servo AF			
Low-speed Continuous Shooting	One-Shot AF	Max. approx. 3.0 shots/sec.*5,6	Max. approx. 3.0 shots/sec.*7	Max. approx. 3.0 shots/sec.*8
	Servo AF			
Self-timer:10 sec / remote control		Yes	Yes	Yes
Self-timer:2 sec / remote control		Yes	Yes	Yes
Self-timer: Continuous		Yes	Yes	Yes

*1: AE, flash metering, and WB do not change after the first shot in flash photography.
*2: Note that maximum continuous shooting speed is slower when certain lenses are attached and AF operation is set to Servo AF.
*3: Certain lenses support up to 30 shots/sec. Note that maximum continuous shooting speed is slower when other lenses are attached and AF operation is set to Servo AF.
*4: Certain lenses support up to 8 shots/sec. Note that maximum continuous shooting speed is slower when specific lenses AF operation is set to Servo AF.
*5: Continuous shooting speed is slower during flash photography (flash metering control: determined for each shot).
*6: Continuous shooting speed is slower with anti-flicker shooting.
*7: Continuous shooting speed is slower in flash photography with anti-flicker shooting.
*8: Not available when set to [Dual Pixel RAW: Enable].

Still photo file size / Number of possible shots / Maximum burst for continuous shooting

Still Shooting with Mechanical Shutter or electronic 1st-curtain shutter, shot at approx. 15 fps

	Image Quality	Mechanical shutter / Electronic 1st-curtain Approx. 15 shots/sec.		Electronic shutter Approx. 30 shots/sec.	
		SD Card (UHS-I)*1	SD Card [High-speed] (UHS-II)*2	SD Card (UHS-I)*1	SD Card [High-speed] (UHS-II)*2
JPEG*3	L (fine)	184	224	117	126
HEIF*4	L (fine)	184	190	117	122
RAW*3	RAW	46	51	41	42
	C-RAW	105	187	87	93
RAW+JPEG*3	RAW + L (fine)	46	51	41	42
	C-RAW + L (fine)	105	187	87	93
RAW+HEIF*4	RAW + L (fine)	46	51	41	41
	C-RAW + L (fine)	101	109	84	93

* Maximum burst as measured under conditions conforming to Canon testing standards (High-speed continuous shooting + in One-Shot AF mode, ISO 100, and Standard Picture Style).
* Number of shots available varies depending on shooting conditions (including aspect ratio, subject, memory card brand, ISO speed, Picture Style, and Custom Function).

*1: When using a 32 GB UHS-I card that conforms to Canon testing standards.
*2: When 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].

HDR Shooting and Movie Recording

HDR PQ Shooting

Disable / Enable

* Can be used in conjunction with Auto Lighting Optimizer.

HDR PQ Shooting - Still

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

HDR PQ Shooting - Movie

Recording format	Bit depth	Color sampling method	HDR specification
MP4	10 bit	YCbCr 4:2:2	Rec. ITU-R BT.2100 (PQ)

Video Shooting

Focusing

Dual Pixel CMOS AF II

Exposure Compensation

±3 stops in 1/3- or 1/2-stop increments

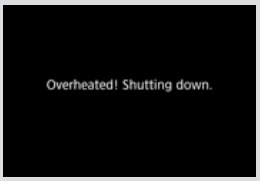
Canon Log

Canon Log 3

Temperature Warning

The camera warns of rising internal temperatures by means of icons and indicators.

Status	Still photo image quality warning	Early warning	Intermediate	Late warning
Display				
Definition	Blinking icon displayed. Still image quality declines (lower S/N ratio) as the image sensor heats up	Icon and indicator display starts. First stage of temperature warnings	Indicator level rises	Icon turns red and starts blinking. Indicator level becomes max. Less shooting time available status.

	If the maximum internal temperature is reached, this guidance is displayed, and the camera automatically stops (power off state).

Estimated Camera Recovery Time

Estimated recovery times are indicated below. These are affected by various factors such as ambient temperature, continued camera operation and the selected shooting resolution. The time until full record time is available, will vary with ambient temperature.

Resolution and Frame Rate	Waiting Period (73°F / 23°C)	Approximate Maximum Recording Time after Waiting Period (minutes)
4K Fine 29.97p	5 min	Max. approx. 30 min.

* Less continuous recording time is available if the camera cools down with Live View display active (without recording) than if it cools down while turned off.

Movie Recording Format

Standard Movie Recording

Canon Log		OFF		ON (Canon Log 3)
HDR PQ		**OFF**	**ON**	**OFF**
Container format		MP4		
Bit depth		8 bit	10 bit	10 bit
Compression		H.264 / MPEG-4 AVC	H.265 / HEVC	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	YCbCr 4:2:2
Color Gamut		Rec.ITU-R BT.709	Rec.ITU-R BT.2020	Rec.ITU-R BT.709/ BT.2020/ Cinema Gamut
Audio	**IPB**	AAC (Audio compression: Enable) Linear PCM Audio compression: Diable		
	IPB (light)	AAC		

Movie recording size overview

	Resolution	Frame rate		Digital Zoom	Video Compression	Audio Compression
		NTSC	PAL			
4K UHD Fine[*1]	3840 × 2160	29.97 23.98	25.00		IPB (Standard) IPB (Light)	AAC Linear PCM
4K UHD		59.94 29.97 23.98	50.00 25.00			
4K UHD Crop		59.94	50.00			
Time-lapse movies 4K UHD		29.97[*2]	25.00[*2]		All-I	
High Frame Rate	1920 × 1080	119.88[*3]	100.00[*3]		IPB (Standard) IPB (Light)	
Full HD		59.94	50.00			AAC Linear PCM
		29.97 23.98	25.00	Approx. 1X - 10X		
Time-lapse movies Full HD		29.97[*2]	25.00[*2]		All-I	
HDR movies		29.97	25.00		IPB Standard	AAC[*4]
Creative filters		29.97 23.98	25.00		IPB (Standard) IPB (Light)	

* Audio compression is restricted to [AAC] in Basic Zone modes.

* Only [AAC] is available for audio compression of IPB (Light).

*1: Generated from 7K oversampling.

*2: Playback frame rate.

*3: Recording frame rate.

*4: No audio is recorded for Miniature effect movies.

Estimated Recording Time and Data

Canon Log: Off, HDR PQ: Off

Video Recording Size			Theoretical Recording Time (approx.)			Bit Rate/File Size (approx.)
			32 GB	128 GB	512 GB	
4K UHD Fine	29.97 23.98	IPB	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	59.94	IPB	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 23.98	IPB	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 Crop	59.94	IPB	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.
4K UHD (Time-lapse movie)	29.97	ALL-I	9 min.	36 min.	2 hr. 25 min.	470 Mbps 3362 MB/min.
Full HD (High Frame Rate movie)	119.88	IPB	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	59.94	IPB	1 hr. 10 min.	4 hr. 43 min.	18 hr. 52 min.	60Mbps 431 MB/min.
		IPB (Light)	2 hr. 0 min.	8 hr. 3 min.	32 hr. 15 min.	35 Mbps 252 MB/min.
	29.97 23.98	IPB	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	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.**
- **When audio data is set to [C.Fn 4-2 Audio compression: Enable] (audio: AAC recording).**
- **Movie recording stops when the maximum recording time per movie is reached.**
- **Sound is not recorded for approx. the last two frames when the compression method for movie recording quality is IPB (Standard) and the camera is set to [C.Fn 4-2 Audio compression: Enable] or IPB (Light) (audio: AAC). Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.**

Estimated Recording Time and Data

Canon Log: On, HDR PQ: On

Video Recording Size			Theoretical Recording Time (approx.)			Bit Rate/File Size (approx.)
			32 GB	128 GB	512 GB	
4K UHD Fine	29.97 23.98	IPB	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	59.94	IPB	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 23.98	IPB	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 Crop	59.94	IPB	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.
4K UHD (Time-lapse movie)	29.97	ALL-I	9 min.	36 min.	2 hr. 25 min.	470 Mbps 3362 MB/min.
Full HD (High Frame Rate movie)	119.88	IPB	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	59.94	IPB	47 min.	3 hr. 9 min.	12 hr. 36 min.	90Mbps 646 MB/min.
		IPB (Light)	1 hr. 24 min..	5 hr. 39 min.	22 hr. 38 min.	50 Mbps 360 MB/min.
	29.97 23.98	IPB	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	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.**
- **When audio data is set to [C.Fn 4-2 Audio compression: Enable] (audio: AAC recording).**
- **Movie recording stops when the maximum recording time per movie is reached.**
- **Sound is not recorded for approx. the last two frames when the compression method for movie recording quality is IPB (Standard) and the camera is set to [C.Fn 4-2 Audio compression: Enable] or IPB (Light) (audio: AAC). Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.**

<table>
<tr><td></td><td></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)</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>
<tr><td>Coating</td><td>• 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 (5 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>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 / Protect / 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 / Unprotect all found images</td></tr>
<tr><td>Cloud RAW image processing</td><td>Supported</td><td>-</td></tr>
<tr><td>RAW image processing</td><td>Supported</td><td></td></tr>
<tr><td>RAW Burst processing</td><td>Supported</td><td></td></tr>
<tr><td>HEIF -> JPEG Conversion</td><td>Supported</td><td>-</td></tr>
<tr><td>Cropping</td><td>Supported</td><td>-</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td>Highlight Alert</td><td>The white areas with no image data will blink.</td></tr>
<tr><td>Histogram</td><td>Brightness and RGB</td></tr>
<tr><td colspan="2">Quick Control Function</td></tr>
<tr><td>Function</td><td>The Quick Control screen is accessed by pressing the Quick Control button during still photo shooting.</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 fo)und images (only during image search)</td></tr>
<tr><td colspan="2">Direct Printing</td></tr>
<tr><td>Compatible Printers</td><td>Not supported</td></tr>
<tr><td colspan="2">DPOF: Digital Print Order Format</td></tr>
<tr><td>DPOF</td><td>Compliant to DPOF Version 1.1</td></tr>
<tr><td colspan="2">Wi-Fi®</td></tr>
<tr><td>Standards Compliance</td><td>IEEE 802.11b/g/n</td></tr>
<tr><td>Transmission Method</td><td>DS-SS modulation (IEEE 802.11b)
OFDM modulation (IEEE 802.11g/n)</td></tr>
<tr><td>Transition Frequency (Central Frequency)</td><td>2.4 GHz band
Frequency: 2412 to 2462 MHz
Channels: 1 to 11 channels</td></tr>
<tr><td>Security</td><td>
<table>
<tr><th rowspan="2">Connection Method</th><th rowspan="2">Authentication</th><th colspan="2">Encryption</th></tr>
<tr><th>Encryption</th><th>Key Format and Length</th></tr>
<tr><td rowspan="2">Camera Access Point</td><td>WPA2/ WPA3-Personal</td><td>AES</td><td>• ASCII 8 characters</td></tr>
<tr><td>Open</td><td colspan="2">Disable</td></tr>
<tr><td rowspan="4">Infrastructure</td><td rowspan="2">Open</td><td rowspan="2">WEP</td><td>• Hexadecimal 10 digits
• Hexadecimal 26 digits
• ASCII 5 characters
• ASCII 13 characters</td></tr>
<tr><td colspan="2">Disable</td></tr>
<tr><td>Shared key</td><td>WEP</td><td>Same as WEP above</td></tr>
<tr><td>WPA-PSK
WPA2-PSK
WPA3-Personal</td><td>TKIP
AES</td><td>1-127 characters</td></tr>
</table>
</td></tr>
<tr><td>Communication with a Smartphone</td><td>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.
Firmware can be downloaded and saved to a card in the camera using Camera Connect.</td></tr>
</table>

Remote Operation Using EOS Utility	The camera can be controlled via Wi-Fi® using EOS Utility.
Print from Wi-Fi® Printers	Supported
Send Images to a Web Service	Still photos (RAW, C-RAW, HEIF, and JPEG) and movies (MP4) can be uploaded to image.canon server album. With the image.canon server, images can be sent to social media or a photo album link can be sent (by the image.canon specifications).
Bluetooth®	
Standards Compliance	Bluetooth Specification Version 4.2 compliant (Bluetooth low energy technology)
Transmission Method	GFSK modulation
Customization	

Custom Functions

	Still photo	Movie
Shutter button (half-press)	Yes	-
Movie shooting button	Yes	-
Multi-function (<M-Fn>) button	Yes	Yes
ISO speed button	Yes	Yes
AF-ON button	Yes	Yes
AE lock (<*>) button	Yes	Yes
AF point button	Yes	Yes
DOF preview button	Yes	Yes
Lens function (<L-Fn>) button	Yes	Yes
Cross keys: Up button	Yes	Yes
Cross keys: Left button	Yes	Yes
Cross keys: Right button	Yes	Yes
Cross keys: Down button	Yes	Yes
Set button	Yes	Yes
Multi-controllers	Yes	Yes

Custom Dials

Customizable Dials

Main dial
Quick control dial
Control ring

<table>
<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.
•In-camera Charging: Equivalent to USB type-C (5 V/1.5 A), but use should be restricted to USB Power Adapter PD-E1.</td></tr>
<tr><td>Video Out Terminal</td><td>HDMI micro OUT terminal Type D (Resolution switches automatically) / CEC not compatible
• Images can be displayed through the HDMI output and on screen at the same time.
• Images will not be displayed unless [NTSC] or [PAL] is properly set according to the video system of the TV set.</td></tr>
<tr><td>Clean HDMI output</td><td>Provided</td></tr>
<tr><td>Microphone input terminal</td><td>3.5mm diameter stereo mini jack</td></tr>
<tr><td>Headphone terminal</td><td>3.5mm diameter stereo mini jack</td></tr>
<tr><td>Remote control terminal</td><td>Remote Switch RS-60E3 type terminal supported</td></tr>
<tr><td>Wireless remote control</td><td>• Compatible with the Wireless Remote Control BR-E1
• Compatible with infrared remote controls such as Remote Controller RC-6</td></tr>
<tr><td>Multi-function shoe</td><td>Supported</td></tr>
</table>

Power Source	
Battery	LP-E6NH/LP-E6N/LP-E6* • With the AC Adapter AC-E6N + DC Coupler DR-E6, AC power is possible. • With the USB Power Adapter PD-E1, in-camera charging of LP-E6NH is possible.
Battery Check	Automatic battery check when the power switch is turned ON. Displayed in 6 levels on top LCD panel. • Battery level can be checked on the LCD panel and in the viewfinder. Battery Info display in Set-up Menu: •Type of power source used. •Remaining capacity (percentage of battery charge remaining). •Recharge performance: (3-level display of battery's ability to hold a charge)
Start-up Time	Approx. 0.4 sec. • Based on CIPA testing standards.
Dimensions and Weight	
Dimensions (W x H x D)	Approx. 5.20 x 3.56 x 3.61 in. / 132.0 x 90.4 x 91.7 mm • Based on CIPA standards.
Weight	Approx. 1.1 lbs (18.70 oz) Body Only Approx. 1.3 lbs (21.59 oz) With battery,and memory card
Operating Environment	
Working Temperature Range	32–104°F / 0–+40°C
Working Humidity Range	85% or less