

Canon

EOS R5



Advanced User Guide

These operating instructions assume you are using EOS R5 firmware version 1.4.0 or later.

E

Specifications

Type

Type: Digital single-lens non-reflex AF/AE camera

Lens mount: Canon RF mount

Compatible lenses: Canon RF lens group

* Using mount adapter EF-EOS R: Canon EF or EF-S lenses (excluding EF-M lenses)

Lens focal length: Same as the focal length indicated on the lens

* Using EF-S lenses: Approx. 1.6 times the indicated focal length

Image sensor

Type: CMOS sensor

Screen size	Approx. 36.0×24.0 mm
Effective pixels ^{*1,2}	Max. approx. 45.0 megapixels
Dual Pixel CMOS AF	Supported

* 1: Rounded to the nearest 100,000.

* 2: Using RF or EF lenses. The effective pixel count may be lower with certain lenses and image processing.

Recording system

Image recording format: Compliant to Design rule for Camera File system 2.0 and Exif 2.31*

* Supports time difference information

Image type and extension

Image type		Extension
Still photos	JPEG	JPG
	HEIF	HIF
	RAW	CR3
	Dual Pixel RAW	
	C-RAW	
Movies	ALL-I, IPB	MP4
	RAW	CRM

Still photo recording

Still photo pixel count

























Image quality		Recorded pixels				
		Aspect ratio				
		3:2	1.6x (crop) ¹	1:1	4:3	16:9
JPEG HEIF	L	Approx. 44.8 megapixels (8192×5464)	Approx. 17.3 megapixels (5088×3392)	Approx. 29.8 megapixels (5456×5456)	Approx. 39.8 megapixels (7280×5464)	Approx. 37.7 megapixels (8192×4608)
	M	Approx. 22.5 megapixels (5808×3872)		Approx. 15.0 megapixels (3872×3872)	Approx. 19.9 megapixels (5152×3872)	Approx. 19.0 megapixels (5808×3264)
	S1	Approx. 11.6 megapixels (4176×2784)		Approx. 7.8 megapixels (2784×2784)	Approx. 10.3 megapixels (3712×2784)	Approx. 9.8 megapixels (4176×2344)
	S2	Approx. 3.8 megapixels (2400×1600)	Approx. 3.8 megapixels (2400×1600)	Approx. 2.6 megapixels (1600×1600)	Approx. 3.4 megapixels (2112×1600)	Approx. 3.2 megapixels (2400×1344)
RAW	RAW / CRRAW	Approx. 44.8 megapixels (8192×5464)	Approx. 17.3 megapixels (5088×3392)	Approx. 44.8 megapixels (8192×5464)		

* Values for recorded pixels are rounded off to the nearest 100,000th.

* 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.

* 1: Angle of view of approx. 1.6 times the focal length.

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

	Image quality	File size [Approx. MB]	Possible shots [Approx.] ^{*1}	Maximum burst [Approx.] ^{*5}		
				SD card ^{*1}	SD card ^{*1} [Hi-speed]	CFexpress card ^{*2}
JPEG ^{*4}	 L	13.5	2240	190	350	350
	 L	6.8	4450	260		350
	 M	7.8	3860	320		350
	 M	4.1	7330	290		350
	 S1	4.7	6420	330		350
	 S1	2.6	11360	330		350
	 S2	1.8	16790	340		350
HEIF ^{*3}	 L	13.4	2240	190	280	280
	 L	10.0	2970	210		330
	 M	8.3	3580	310		310
	 M	6.3	4730	350		360
	 S1	5.1	5710	340		360
	 S1	4.0	7330	360		350
	 S2	1.8	14480	340		360
RAW ^{*4}	 RAW	45.4	670	66	87	180
	 CRAW	21.9	1440	130	260	260
RAW+JPEG ^{*4}	 RAW +  L	45.4+13.5	520	64	79	160
	 CRAW +  L	21.9+13.5	870	100	130	240
RAW+HEIF ^{*3}	 RAW +  L	45.4+13.4	480	61	74	90
	 CRAW +  L	21.9+13.4	780	110	140	140

* 1: The number of possible shots and maximum burst (SD card) apply to a UHS-I compliant 32 GB SD card based on Canon testing standards. The number of possible shots and maximum burst (SD card [Hi-speed]) apply to a UHS-II compliant 32 GB SD card based on Canon testing standards.

* 2: The number of shots available and maximum burst (CFexpress card) apply to a 325 GB CFexpress card conforming to Canon testing standards.

* 3: Available when [HDR PQ] for HDR shooting is set to [Enable].

* 4: When [HDR PQ] for HDR shooting is set to [Disable].

* 5: With mechanical shutter or electronic 1st-curtain shutter, shot at approx. 12 fps.

* File size, number of possible shots, and maximum burst vary depending on shooting conditions (including 1.6x crop/aspect ratio, subject, memory card brand, ISO speed, Picture Style, and Custom Function).

Movie recording

Movie recording format: MP4, RAW

Estimated recording time, movie bit rate, and file size

Canon Log: Off, HDR PQ: Off

Movie recording size			Total recording time (Approx.)			Movie bit rate (Approx. Mbps)	File size (Approx. MB/min.)
			64 GB	256 GB	1 TB		
8K DCI	29.97 fps 25.00 fps 24.00 fps 23.98 fps	RAW	3 min.	13 min.	51 min.	2600	18668
		ALL-I	6 min.	26 min.	1 hr. 42 min.	1300	9309
		IPB	18 min.	1 hr. 12 min.	4 hr. 42 min.	470	3373
		IPB (Light)	37 min.	2 hr. 28 min.	9 hr. 39 min.	230	1647
	29.97 fps 25.00 fps	RAW (Light)	4 min.	19 min.	1 hr. 17 min.	1700	12230
	24.00 fps 23.98 fps	RAW (Light)	6 min.	25 min.	1 hr. 38 min.	1350	9715
8K UHD	29.97 fps 25.00 fps 23.98 fps	ALL-I	6 min.	26 min.	1 hr. 42 min.	1300	9309
		IPB	18 min.	1 hr. 12 min.	4 hr. 42 min.	470	3373
		IPB (Light)	37 min.	2 hr. 28 min.	9 hr. 39 min.	230	1647
4K DCI	59.94 fps 50.00 fps	ALL-I	9 min.	36 min.	2 hr. 21 min.	940	6734
		IPB	36 min.	2 hr. 27 min.	9 hr. 35 min.	230	1656
		IPB (Light)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 28 min.	120	860
4K DCI 4K DCI Fine	29.97 fps 25.00 fps 24.00 fps 23.98 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 42 min.	470	3373
		IPB	1 hr. 10 min.	4 hr. 40 min.	18 hr. 17 min.	120	869
		IPB (Light)	2 hr. 21 min.	9 hr. 26 min.	36 hr. 52 min.	60	431
4K DCI	119.88 fps 100.00 fps	ALL-I	4 min.	18 min.	1 hr. 10 min.	1880	13447
4K UHD	59.94 fps 50.00 fps	ALL-I	9 min.	36 min.	2 hr. 21 min.	940	6734
		IPB	36 min.	2 hr. 27 min.	9 hr. 35 min.	230	1656
		IPB (Light)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 28 min.	120	860
4K UHD 4K UHD Fine	29.97 fps 25.00 fps 23.98 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 42 min.	470	3373
		IPB	1 hr. 10 min.	4 hr. 40 min.	18 hr. 17 min.	120	869
		IPB (Light)	2 hr. 21 min.	9 hr. 26 min.	36 hr. 52 min.	60	431
4K UHD	119.88 fps 100.00 fps	ALL-I	4 min.	18 min.	1 hr. 10 min.	1880	13447

Full HD		59.94 fps 50.00 fps	ALL-I	47 min.	3 hr. 8 min.	12 hr. 14 min.	180	1298
			IPB	2 hr. 18 min.	9 hr. 14 min.	36 hr. 6 min.	60	440
			IPB (Light)	4 hr. 1 min.	16 hr. 7 min.	63 hr. 1 min.	35	252
		29.97 fps 25.00 fps 23.98 fps	ALL-I	1 hr. 33 min.	6 hr. 12 min.	24 hr. 16 min.	90	655
			IPB	4 hr. 30 min.	18 hr. 2 min.	70 hr. 27 min.	30	226
		29.97 fps 25.00 fps	IPB (Light)	11 hr. 35 min.	46 hr. 23 min.	181 hr. 13 min.	12	88
		119.88fps 100.00fps	ALL-I	23 min.	1 hr. 34 min.	6 hr. 10 min.	360	2575
Time-lapse movies	8K	29.97 fps 25.00 fps	ALL-I	6 min.	26 min.	1 hr. 42 min.	1300	9298
	4K			18 min.	1 hr. 12 min.	4 hr. 43 min.	470	3362
	Full HD			1 hr. 34 min.	6 hr. 19 min.	24 hr. 41 min.	90	644

Canon Log: On or HDR PQ: On

Movie recording size			Total recording time (Approx.)			Movie bit rate (Approx. Mbps)	File size (Approx. MB/min.)
			64 GB	256 GB	1 TB		
8K DCI	29.97 fps 25.00 fps 24.00 fps 23.98 fps	RAW	3 min.	13 min.	51 min.	2600	18668
		ALL-I	6 min.	26 min.	1 hr. 42 min.	1300	9309
		IPB	12 min.	50 min.	3 hr. 15 min.	680	4875
		IPB (Light)	25 min.	1 hr. 40 min.	6 hr. 31 min.	340	2434
	29.97 fps 25.00 fps	RAW (Light)	4 min.	19 min.	1 hr. 17 min.	1700	12230
	24.00 fps 23.98 fps	RAW (Light)	6 min.	25 min.	1 hr. 38 min.	1350	9715
8K UHD	29.97 fps 25.00 fps 23.98 fps	ALL-I	6 min.	26 min.	1 hr. 42 min.	1300	9309
		IPB	12 min.	50 min.	3 hr. 15 min.	680	4875
		IPB (Light)	25 min.	1 hr. 40 min.	6 hr. 31 min.	340	2434
4K DCI	59.94 fps 50.00 fps	ALL-I	8 min.	34 min.	2 hr. 13 min.	1000	7164
		IPB	24 min.	1 hr. 39 min.	6 hr. 30 min.	340	2443
		IPB (Light)	50 min.	3 hr. 20 min.	13 hr. 3 min.	170	1218
4K DCI 4K DCI Fine	29.97 fps 25.00 fps 24.00 fps 23.98 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 42 min.	470	3373
		IPB	49 min.	3 hr. 18 min.	12 hr. 57 min.	170	1227
		IPB (Light)	1 hr. 40 min.	6 hr. 40 min.	26 hr. 3 min.	85	610
4K DCI	119.88 fps 100.00 fps	ALL-I	4 min.	18 min.	1 hr. 10 min.	1880	13447
4K UHD	59.94 fps 50.00 fps	ALL-I	8 min.	34 min.	2 hr. 13 min.	1000	7164
		IPB	24 min.	1 hr. 39 min.	6 hr. 30 min.	340	2443
		IPB (Light)	50 min.	3 hr. 20 min.	13 hr. 3 min.	170	1218
4K UHD 4K UHD Fine	29.97 fps 25.00 fps 23.98 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 42 min.	470	3373
		IPB	49 min.	3 hr. 18 min.	12 hr. 57 min.	170	1227
		IPB (Light)	1 hr. 40 min.	6 hr. 40 min.	26 hr. 3 min.	85	610
4K UHD	119.88 fps 100.00 fps	ALL-I	4 min.	18 min.	1 hr. 10 min.	1880	13447


Full HD	59.94 fps 50.00 fps	ALL-I	36 min.	2 hr. 27 min.	9 hr. 35 min.	230	1656	
		IPB	1 hr. 33 min.	6 hr. 12 min.	24 hr. 16 min.	90	655	
		IPB (Light)	2 hr. 49 min.	11 hr. 19 min.	44 hr. 12 min.	50	360	
	29.97 fps 25.00 fps 23.98 fps	ALL-I	1 hr. 2 min.	4 hr. 9 min.	16 hr. 16 min.	135	977	
		IPB	3 hr. 3 min.	12 hr. 13 min.	47 hr. 45 min.	45	333	
	29.97 fps 25.00 fps	IPB (Light)	5 hr. 1 min.	20 hr. 7 min.	78 hr. 37 min.	28	202	
	119.88fps 100.00fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 43 min.	470	3362	
Time-lapse movies	8K	29.97 fps 25.00 fps	ALL-I	6 min.	26 min.	1 hr. 42 min.	1300	9298
	4K			18 min.	1 hr. 12 min.	4 hr. 43 min.	470	3362
	Full HD			1 hr. 3 min.	4 hr. 12 min.	16 hr. 27 min.	135	966

* Bit rate indicates video output only, audio is not included.

* Movie recording is interrupted if the maximum recording time per movie, 29 min. 59 sec., is exceeded. (Time is different for High Frame Rate movies.)

* 8K movie recording (RAW, DCI, UHD) has restrictions on possible recording time due to the temperature rise. Max possible recording time is approx. 20 min. (at room temperature).

* 4K 60 p movie cropped recording has restrictions on possible recording time due to the temperature rise. Max possible recording time is approx. 25 min. (at room temperature).

* Sound is not recorded for approx. the last two frames when the compression method for movie recording quality is IPB or IPB Light (audio: AAC) or  : **Audio compression** is set to **[Enable]**. Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.

Card performance requirements (Movie recording) [Write/read speed]

		Movie recording size		CFexpress card	SD card	
				8bit / 10bit	8 bit	10 bit
8K	8K RAW	RAW RAW (Light)	Refer to the Canon website	—		
	8K	ALL-I		—		
		IPB		Video Speed Class 60 or higher	Video Speed Class 90 or higher	
		IPB (Light)		UHS Speed Class 3 or higher	Video Speed Class 60 or higher	
4K	119.88 fps 100.00 fps	ALL-I		—		
	59.94 fps 50.00 fps	ALL-I		—		
		IPB		Video Speed Class 30 or higher	Video Speed Class 60 or higher	
	Other than above	IPB (Light)		UHS Speed Class 3 or higher	UHS Speed Class 3 or higher	
		ALL-I		Video Speed Class 60 or higher	Video Speed Class 60 or higher	
		IPB		UHS Speed Class 3 or higher	UHS Speed Class 3 or higher	
	IPB (Light)	SD Speed Class 10 or higher		UHS Speed Class 3 or higher		
Full HD	119.88fps 100.00fps	ALL-I		UHS Speed Class 3 or higher	Video Speed Class 60 or higher	
	59.94 fps 50.00 fps	ALL-I	UHS Speed Class 3 or higher	UHS Speed Class 3 or higher		
		IPB	SD Speed Class 10 or higher	UHS Speed Class 3 or higher		
		IPB (Light)	SD Speed Class 6 or higher	SD Speed Class 10 or higher		
	Other than above	ALL-I	UHS Speed Class 3 or higher	UHS Speed Class 3 or higher		
		IPB	SD Speed Class 6 or higher	SD Speed Class 6 or higher		
		IPB (Light)	SD Speed Class 4 or higher	SD Speed Class 4 or higher		
Time-lapse movies	8K	ALL-I	—			
	4K		Video Speed Class 60 or higher	Video Speed Class 60 or higher		
	Full HD		UHS Speed Class 3 or higher	UHS Speed Class 3 or higher		

* With Movie cropping set to [Disable], Movie digital IS set to [Off].

Built-in and external microphones

Built-in microphone: Monaural microphone

External microphone: 3.5 mm diameter stereo mini jack

Recording media

Recording media:

CFexpress card

SD card

* Compatible with UHS-II

Viewfinder

Type: OLED color electronic viewfinder

Screen size: 0.5 inch

Dot count: Approx. 5,760,000 dots

Magnification / angle of view: Approx. 0.76× / Approx. 35.5° (with 50 mm lens at infinity, – 1 m⁻¹)

Coverage: Approx. 100% (at L image quality, an aspect ratio of 3:2, and approx. 23 mm eyepoint)

Eyepoint: Approx. 23 mm (at –1 m⁻¹ from eyepiece lens end)

Dioptric adjustment: Approx. –4.0 to +2.0 m⁻¹ (dpt)

Screen

Type: TFT color, liquid-crystal monitor

Screen size: 3.2 inch (Screen aspect ratio of 3:2)

Dot count: Approx. 2,100,000 dots

Angle of view: Approx. 170° vertically and horizontally

Coverage: Approx. 100% vertically and horizontally (at L image quality and an aspect ratio of 3:2)

Brightness adjustment: Possible (7 levels)

Color tone adjustment: Warm tone / Standard / Cool tone 1 / Cool tone 2

Touch-screen: Capacitive sensing

LCD panel

Type: Reflective memory LCD

Display format: Dot-matrix display

Dot count: 128×128 dots

HDMI output

HDMI video / audio output: HDMI micro OUT terminal (Type D) / CEC not supported

HDMI output resolution: Auto / 1080p

* HDMI output of 8K movies not supported.

Autofocus

Focusing method: Dual Pixel CMOS AF

Focusing operation

	Still photo shooting	Movie recording
AF operation	One-Shot AF Servo AF (AI Focus AF) * Set automatically in A+ mode	One-Shot AF Movie Servo AF
Manual focus	Supported	Supported

Lens compatibility based on AF area: Refer to the Canon website

Number of AF zones available for automatic selection

AF area		Horizontal: Approx. 100%, Vertical: Approx. 100%
Number of AF zone	Still photos	Max. 1053 zones (39×27)
	Movies	Max. 819 zones (39×21)

* May vary depending on settings.

Selectable positions for AF point

AF area		Horizontal: Approx. 90%, Vertical: Approx. 100%
Number of positions	Still photos	Max. 5940 positions (90×66)
	Movies	Max. 4500 positions (90×50)

* When selected using the Multi-controller.

Focusing brightness range (in still photo shooting): EV –6 to 20 (With an f/1.2 lens*, center AF point, One-Shot AF, at 23°C / 73°F, ISO 100)

* Except RF lenses with a Defocus Smoothing (DS) coating

Focusing brightness range (in movie recording)

8K	EV –3 to 20	* With an f/1.2 lens, center AF point, One-Shot AF, at 23°C / 73°F, ISO 100. * Except RF lenses with a Defocus Smoothing (DS) coating.
4K/Full HD	EV –4 to 20	

Exposure control

Metering functions under various shooting conditions

Item		Still photo shooting	Movie recording
Metering sensor		384 zone (24×16) metering using image sensor output signals	
Metering mode	Evaluative metering	Yes	Yes * When faces are detected with [L] +Tracking]
	Partial metering	Yes: (Approx. 6.1%) of the screen	
	Spot metering	Yes: (Approx. 3.1%) of the screen	
	Center-weighted average	Yes	Yes * When no faces are detected
Metering brightness range (At 23°C / 73°F, ISO 100)		EV -3 to 20	EV -1 to 20

ISO speed (recommended exposure index) in still photo shooting

Manually set ISO speed in still photo shooting

Normal ISO speed	ISO 100–51200 (in 1/3-stop, 1-stop increments)
Expanded ISO speed (equivalent)	L (50) H (102400)

* For [L]: **Highlight tone priority**, the available ISO speed range is ISO 200 to 51200.

* Expanded ISO cannot be set for HDR mode or during HDR PQ shooting.

ISO speed range settings in still photo shooting


ISO speed range	ISO speed
Minimum	L (50)–51200 (in 1-stop increments)
Maximum	ISO 100–H (102400) (in 1-stop increments)


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

ISO Auto range settings in still photo shooting

Auto range	ISO speed
Minimum	ISO 100–25600 (in 1-stop increments)
Maximum	ISO 200–51200 (in 1-stop increments)

ISO Auto details in still photo shooting

Shooting mode	No flash	Using flash
 A⁺	ISO 100–12800	ISO 100–6400 ³
P	ISO 100 ¹ –51200 ²	ISO 100 ¹ –6400 ² –3
Tv		
Av		
M		
B	ISO 400 ⁴	ISO 400 ⁴

* 1: ISO 200 when  : **Highlight tone priority** is set to **[Enable]** or **[Enhanced]**.

* 2: Varies depending on **[Maximum]** and **[Minimum]** of **[Auto range]**.

* 3: ISO 1600 when using a lens that is not compatible with "Variable control of maximum ISO Auto limit for E-TTL".

* 4: If outside the setting range, changed to the value most close to ISO 400.

Variable control of maximum ISO Auto limit for E-TTL: Supported

ISO speed for movie recording

Manually set ISO speed in movie recording

Normal ISO speed	ISO 100–25600 (in 1/3-stop, 1-stop increments)
Expanded ISO speed (equivalent)	H (51200)

* For  : **Highlight tone priority**, the available ISO speed range is ISO 200 to 25600.

* Expanded ISO cannot be set during RAW movie recording.

* Cannot be manually set below ISO 400 for RAW movies when Canon Log is specified.

* Expanded ISO cannot be set during HDR PQ movie recording.

* Cannot be manually set above ISO 12800 for High Frame Rate movies.

ISO speed range settings in movie recording

ISO speed range	ISO speed
Minimum	ISO 100–25600 (in 1-stop increments)
Maximum	ISO 100–H (51200) (in 1-stop increments)

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

ISO Auto range settings in movie recording

Item	ISO speed
Max for Auto	ISO 6400–H (51200)
(Time-lapse movie) Max for Auto	ISO 400–25600

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

Shutter

Still photo shooting

Type: Electronically controlled focal-plane shutter

Shutter mode

Mechanical shutter
Electronic 1st curtain
Electronic shutter

Shutter speed

When [Mechanical] or [Elec. 1st-curtain] is set	1/8000–30 sec., Bulb
When [Electronic] is set	1/8000–0.5 sec.

X-sync speed

Mechanical shutter	1/200 sec.
Elec. 1st-curtain	1/250 sec.

Movie recording

Type: Rolling shutter, using the image sensor

Shutter speed:

1/4000–1/25* sec.

* Varies by frame rate. For details, see exposure control details.

Movies with manual exposure / Tv mode recording: 1/4000–1/8* sec.

* Varies by shooting mode and frame rate.

* 1/125 sec. (NTSC) or 1/100 sec. (PAL) with [High Frame Rate] set to [Enable].

Image stabilization (IS mode): Provided

External flash

Sync contacts: Hot shoe: X-sync contact

* Max. flash sync speed: 1/250 sec. with elec. 1st-curtain, 1/200 sec. with mechanical shutter.

Drive

Drive mode and continuous shooting speed

Drive modes	Mechanical shutter	Electronic 1st curtain	Electronic shutter
Single shooting	Yes	Yes	Yes
High-speed continuous shooting+	Max. approx. 12 shots/sec.		Max. approx. 20 shots/ sec. * Lenses other than EF-S lenses
High-speed continuous shooting	Max. approx. 6.0 shots/ sec.	Max. approx. 8.0 shots/ sec.	
Low-speed continuous shooting	Max. approx. 3.0 shots/sec.		
Self-timer:10 sec / remote control	Yes		
Self-timer:2 sec / remote control	Yes		

Playback

Item	Still photo	Movie
Magnify zoom display	1.5x–10x (15 levels)	
AF point display	Yes	
Grid display	Off / 3×3 / 6×4 / 3×3+diag	
Rating	OFF / ★ to ★★★★★ Select images / Select range / All images in folder / All images on card / All found images	
Image search	Search conditions Rating / Date / Folder / Protect / Type of file	
Protect	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	
In-camera RAW image processing	Supported	
Resizing	Supported	
Cropping	Supported	

Frame grab from 8K / 4K movies

Individual frames in 8K / 4K movies recorded with the camera can be saved as JPEG still photos*1.

8K	DCI	Approx. 35.4 megapixels (8192×4320)
	UHD	Approx. 33.2 megapixels (7680×4320)
4K	DCI	Approx. 8.8 megapixels (4096×2160)
	UHD	Approx. 8.3 megapixels (3840×2160)

* 1: From HDR PQ movies, saved in HEIF format.

* Extracted still photos cannot be resized or cropped within the camera.

* Frame grab is not available for movies recorded with Canon Log set.

Print order (DPOF): Compliant with DPOF Version 1.1

Customization (C.Fn)

Custom Function: 22 Custom Functions are settable

External interface

Digital terminal

Terminal type: USB Type-C

Transmission: SuperSpeed Plus USB (USB 3.1 Gen 2) equivalent

Applications:

For computer communication

For in-camera charging / powering the camera with USB Power Adapter PD-E1

HDMI output terminal: HDMI micro OUT terminal (Type D)

External microphone input terminal: Compatible with the 3.5 mm diameter stereo mini plug

Headphone terminal: Compatible with the 3.5 mm diameter stereo mini plug

Remote control terminal: N3 type terminal

Power source

Battery

Compatible battery packs	LP-E6NH/LP-E6N/LP-E6
Quantity used	1

USB battery charging and camera power: Using USB Power Adapter PD-E1

AC power source

AC adapter	AC-E6N
DC coupler	DR-E6

Possible shots

Configuration	Shooting method	Battery	Temperature	Battery life (Approx. number of shots)	
				Smooth	Power saving
Camera body only	Screen	LP-E6NH	23°C / 73°F	320	490
			0°C / 32°F	310	470
	Viewfinder		23°C / 73°F	220	320
			0°C / 32°F	200	310
Eco mode (Screen)	23°C / 73°F	550	700		
Battery grip BG-R10 used	Screen	Two LP-E6NH batteries	23°C / 73°F	—	970
		One LP-E6NH battery	23°C / 73°F	—	480
	Viewfinder	Two LP-E6NH batteries	23°C / 73°F	—	640
Wireless File Transmitter WFT-R10 used	Screen	One LP-E6NH battery ^{*1}	23°C / 73°F	—	480
	Viewfinder	One LP-E6NH battery ^{*1}	23°C / 73°F	—	310

* With fully charged batteries

* 1: Used as a battery for the camera

Available operating time

Conditions of use		Temperature	Available operating time
Time available for bulb exposure		23°C / 73°F	Approx. 4 hr. 40 min.
Time available for Live View shooting		23°C / 73°F	Approx. 3 hr. 50 min.
Time available for movie recording * Movie Servo AF: Disable	8K RAW movies (29.97 fps)		23°C / 73°F
			0°C / 32°F
	8K DCI	IPB (Standard) 29.97 fps / 25.00 fps	23°C / 73°F
	Full HD		23°C / 73°F
			0°C / 32°F
Time available for Time-lapse movie shooting	Full HD, shooting interval: 5 sec.	Screen: On	23°C / 73°F
		Screen: Off	23°C / 73°F
Time available for continuous playback	Movies (Normal playback)		23°C / 73°F

* With a fully charged LP-E6NH

Battery information

Remaining capacity	In 1% increments 5-level indicator
Number of shots	Supported
Recharge performance	3 levels
Battery registrations	Supported (up to 6)
Battery information	Serial number, remaining capacity when removed, date

Dimensions and weight

Dimensions

(W)×(H)×(D)	Approx. 138.5×97.5×88.0 mm
(W)×(H)×(D)	Approx. 5.45×3.84×3.46 in.

* Based on CIPA guidelines.

Weight

Body (including battery and memory card)	Approx. 738 g	Approx. 26.03 oz.
Body only	Approx. 650 g	Approx. 22.93 oz.

* Weighed without body cap.

* With a CFexpress card.

Operating environment

Operating temperature: 0–+40°C / 32–104°F

Operating humidity: 85% or less

Wi-Fi (Wireless LAN) communication

Compliance standards

Wi-Fi compliance standards	Transmission method	Maximum link speed
IEEE802.11b	DS-SS modulation	11 Mbps
IEEE802.11g	OFDM modulation	54 Mbps
IEEE802.11n		72.2 Mbps
IEEE802.11a		54 Mbps
IEEE802.11ac		86.7/200/433.3 Mbps

Transmission frequency (Center frequency)

2.4 GHz band

Frequency	2412 to 2462 MHz
Channels	1 to 11 ch

5 GHz band

Frequency	5180 to 5825 MHz
Channels	36 to 165 ch

* Specifications vary by country/region.

Authentication and data encryption methods

Connection method	Authentication	Encryption
Camera access point	WPA2-PSK	AES
	Open	Disable
Infrastructure	Open	WEP
		Disable
	Shared key	WEP
	WPA-PSK	TKIP AES
	WPA2-PSK	

Bluetooth

Compliance standards: Bluetooth Specification Version 5.0 compliant (Bluetooth Low Energy technology)

Transmission method: GFSK modulation

- All data above is based on Canon testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
- Dimensions and weight listed above are based on CIPA Guidelines (except weight for camera body only).
- Product specifications and appearance are subject to change without notice.
- If a problem occurs with a non-Canon lens attached to the camera, contact the respective lens manufacturer.