Canon
SEE IMPOSSIBLE

EOS R6

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 (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. 20.1 megapixels
Screen Size	Approx. 36.0 x 24.0 mm
Pixel Unit	Approx. 6.56 µm square
Total Pixels	Approx. 21.4 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. 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 EF-S lenses, in cropped shooting or multi-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 (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	Maxiumum Burst [Approx.]	
				Standard Card *1	High-speed Card*2 (UHS-II)
JPEG*3	L (fine)	7.1	4240	1000 or more	1000 or more
	L (Normal)	3.9	7720	1000 or more	1000 or more
	M (fine)	4.0	7470	1000 or more	1000 or more
	M (Normal)	2.3	12710	1000 or more	1000 or more
	S1 (Fine)	2.8	10860	1000 or more	1000 or more
	S1 (Normal)	1.7	17460	1000 or more	1000 or more
	S2	1.8	16060	1000 or more	1000 or more
HEIF*4	L (fine)	7.5	3940	770	1000 or more
	L (Normal)	5.8	5060	1000 or more	1000 or more
	M (fine)	4.4	6530	1000 or more	1000 or more
	M (Normal)	3.5	8220	1000 or more	1000 or more
	S1 (Fine)	3.0	9330	1000 or more	1000 or more
	S1 (Normal)	2.5	11160	1000 or more	1000 or more
	S2	1.8	14100	1000 or more	1000 or more
RAW	RAW	21.8	1400	110	240
	C-RAW	11.2	2750	240	1000 or more
RAW+JPEG*3	RAW + L (fine)	21.8+7.1	1050	91	160
	C-RAW + L (fine)	11.2+7.1	1660	140	770
RAW+HEIF*4	RAW + L (fine)	25.0+7.5	940	92	140
	C-RAW + L (fine)	14.3+7.5	1420	140	380

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* (5) Tungsten light (6) White fluorescent light (7) Flash (8) Custom (Custom WB) (9) Color temperature * Effective also in twilight and sunset.
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 Corrected in reference to the current WB mode's color temperature.
Viewfinder	
Type	OLED color electronic viewfinder
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. 819 zones (39 x21)
Selectable Positions for AF Point	AF area: Horizontal: Approx. 90% x Vertical: Approx. 100% Stills: Max. 6072 positions (92 x 66) Movies: Max 4968 positions (92 x 54)
AF Working Range	EV -6.5 to 20 (f/1.2 lens*, center AF point, One-Shot AF,at 73°F/23°C, ISO 100) * Except RF lenses with a Defocus Smoothing (DS) coating.

<table>
<tr><td>Focusing brightness range
(in movie recording)</td><td>EV -5 to 20 (f/1.2 lens*, center AF point, One-Shot AF,at 73°F/23°C, ISO 100)
* Except RF lenses with a Defocus Smoothing (DS) coating.</td></tr>
<tr><td>Available AF Methods</td><td>
<table>
<tr><th>AF Method</th></tr>
<tr><td>Face+Tracking AF</td></tr>
<tr><td>Spot AF</td></tr>
<tr><td>1-point AF
Must be selected for "Limit AF methods."</td></tr>
<tr><td>Expand AF Area
- 4-point expansion
- Around expansion (8-points)</td></tr>
<tr><td>Zone AF</td></tr>
<tr><td>Large Zone AF: Vertical, Horizontal</td></tr>
</table>
</td></tr>
<tr><td>Available AF Detection zones</td><td>
<table>
<tr><td>Zone AF</td><td>9 x 9</td></tr>
<tr><td>Large Zone AF: Vertical</td><td>Max. 9 x 21</td></tr>
<tr><td>Large Zone AF: Horizontal</td><td>Max. 31 x 9</td></tr>
<tr><td>Face+Tracking
(Auto selection with nothing detected)</td><td>Max. 39 x 27</td></tr>
</table>
</td></tr>
<tr><td>Eye Detection</td><td>Auto:
1. Selects the eye closer to the camera (as detected from the angle of the face).
2. At the same distance from the camera, selects the eye closer to the center of the image.
Manual:
1. Can be selected by touch.
2. Can be selected with the Multi-controller.</td></tr>
<tr><td colspan="2">Exposure Control</td></tr>
<tr><td>Metering Modes</td><td>Real-time metering with image sensor (384 [24x16] metering zones)
(1) Evaluative metering (AF point-linked)
(2) Partial metering (approx. 5.8% of the area at the center of the screen)
(3) Spot metering (approx. 2.9% of the area at the center of the screen)
(4) Center-weighted average metering</td></tr>
<tr><td>Metering Range</td><td>EV -3 – 20 (at 73°F/23°C, ISO 100) (Still Photo Shooting)</td></tr>
<tr><td>Exposure Modes</td><td>(1) Scene Intelligent Auto
(2) Flexible-priority AE (Fv)
(3) Program AE (P)
(4) Shutter-priority AE (Safety shift possible) (Tv)
(5) Aperture-priority AE (Safety shift possible) (Av)
(6) Manual exposure (M)
(7) Bulb
(8) Custom shooting mode C1, C2, C3</td></tr>
</table>

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	ISO 100-102400

* 1-stops increments

ISO Auto details in still photo shooting

Shooting mode	No Flash	Using Flash
Auto	ISO 100-25600	ISO 100-6400*4
P	ISO 100*1*2-102400*2	ISO 100*1*2–6400*2*4
TV		
AV		
M		
B	ISO 400*3	

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

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
- The metering mode for AE lock after focus can be customized.

(2) User-set 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

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

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.

Shutter Release

Soft-touch electromagnetic release

Self Timer	10-sec. delay, 2-sec. delay
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)
External Speedlite	
E-TTL balance	Ambience priority, standard, flash priority
Flash Exposure Compensation	±3 stops in 1/3- or 1/2-stop increments
Continuous flash control	1. E-TTL each shot 2. E-TTL locked after first shot in sequence
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*2	Approx. 12 shots/sec.		Approx. 20 shots/sec
	Mode B	Approx. 9.2 shots/sec.		
	Mode C	Approx. 6.8 shots/sec.		
High-speed Continuous shooting	Mode A*2	Approx. 6.0 shots/sec.	Approx. 8.0 shots/sec.	
	Mode B	Approx. 5.1 shots/sec.	Approx. 6.0 shots/sec.	
	Mode C	Approx. 3.8 shots/sec.	Approx. 4.9 shots/sec.	
Low-speed Continuous Shooting		Approx. 3.0 shots/sec.		
Self-timer:10 sec / remote control		Yes		
Self-timer:2 sec / remote control		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).

* 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) 1 shot only (3 shots taken, one finished HDR image produced in-camera — camera then reverts to normal shooting) (2) Continuously (HDR mode remains active, after first finished HDR image is produced in-camera)

Video Shooting

File Format

Normal Movies

		Canon Log		
		OFF		ON
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 (128-1016)
Color sampling method		YCbCr 4:2:0	YCbCr 4:2:2	
Color Matrix		Rec.ITU-R BT.709	Rec.ITU-R BT.2020	Rec.ITU-R BT.709/ BT.2020
Audio	**IPB**	AAC / Linear PCM*		
	IPB (light)	AAC		

* Selection of AAC and Linear PCM is supported [C.Fn 4-2: Audio compression]

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.)
			8 GB	32 GB	128 GB	
4K UHD	**59.94 fps**	**IPB (Standard)**	4 min.	18 min.	1 hr. 13 min.	230 Mbps 1656 MB/min.
	29.97 fps 23.98 fps	**IPB (Standard)**	8 min.	35 min.	2 hr. 20 min.	120 Mbps 869 MB/min.
4K UHD (Time-lapse movie)	**29.97 fps**	**ALL-I**	2 min.	9 min.	36 min.	470 Mbps 3362 MB/min.
Full UHD (High Frame Rate movie)	**119.88 fps**	**IPB (Standard)**	8 min.	35 min.	2 hr. 2 min.	120 Mbps 858 MB/min
Full HD	**59.94 fps**	**IPB (Standard)**	17 min.	1 hr. 9 min.	4 hr. 37 min.	60 Mbps 440 MB/min.
	29.97 fps 23.98 fps	**IPB (Standard)**	33 min.	2 hr. 15 min.	9 hr. 1 min.	30 Mbps 226 MB/min.
	29.97 fps	**IPB (Light)**	1 hr. 18 min.	5 hr. 15 min.	21 hr. 0 min.	12 Mbps 97 MB/min.
Full HD (Time-lapse movie)	**29.97 fps**	**ALL-I**	11 min.	47 min.	3 hr. 9 min.	90 Mbps 644 MB/min.
Full HD (HDR movie)	**29.97 fps**	**IPB (Standard)**	33 min.	2 hr. 15 min.	9 hr. 1 min.	30 Mbps 226 MB/min.

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.)
			8 GB	32 GB	128 GB	
4K UHD	59.94 fps	IPB (Standard)	3 min.	12 min.	49 min.	340 Mbps 2443 MB/min.
	29.97 fps 23.98 fps	IPB (Standard)	6 min.	24 min.	1 hr. 39 min.	170 Mbps 1227 MB/min.
4K UHD (Time-lapse movie)	29.97 fps	ALL-I	2 min.	9 min.	36 min.	470 Mbps 3362 MB/min.
Full HD (High Frame Rate movie)	119.88 fps	ALL-I	5 min.	23 min.	1 hr. 34 min.	180 Mbps 1287 MB/min
Full HD	59.94 fps	IPB (standard)	11 min.	46 min.	3 hr. 6 min.	90 Mbps 655 MB/min.
	29.97 fps 23.98 fps	IPB (standard)	22 min.	1 hr. 31 min.	6 hr. 6 min.	45 Mbps 333 MB/min.
	29.97 fps	IPB (Light)	37 min.	2 hr. 30 min.	10 hr. 3 min.	28 Mbps 202 MB/min.
Full HD (Time-lapse movie)	29.97 fps	ALL-I	7 min.	31 min.	2 hr. 6 min.	135 Mbps 966 MB/min.

* 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.)
* 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].
* The video and sound may be slightly out of sync when movies are played back in Windows.

Card Performance Requirements

Movie Recording Size			SD Card	
Resolution	Frame rate (fps)	Compression Method	H.264/ MPEG-4 AVC (Canon Log: OFF, HDR PQ: OFF)	H.264/ MPEG-4 AVC (Canon Log: ON, HDR PQ: ON)
4K UHD	59.94	IPB (Standard)	UHS-I, UHS Speed Class 3 or higher	UHS-II, Video Speed Class 60 or higher
	29.97 23.98	IPB (Standard)	UHS-I, UHS Speed Class 3 or higher	
Full HD	119.88	IPB (Standard)		
	59.94	IPB (Standard)	SD Speed Class 10 or higher	UHS-I, UHS Speed Class 3 or higher
	29.97 23.98	IPB (Standard)	SD Speed Class 6 or higher	
	29.97	IPB (Light)	SD Speed Class 4 or higher	
4K UHD (Time-lapse movie)	29.97	ALL-I	Read speed of 60 MB/s or higher	
Full HD (Time-lapse movie)	29.97	ALL-I	Read speed of 30 MB/s or higher	

* When cropped movie recording and Movie digital IS are disabled.

Video AF

Dual Pixel CMOS AF; Movie Servo AF available in AF Menu

<table>
<tr><td>Exposure Compensation</td><td>±3 stops in 1/3- or 1/2-stop increments</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>
<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>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</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>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>
</table>

<table>
<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>
<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 (5 GHz Wi-Fi not supported)
Frequency: 2412 to 2462 MHz
Channels: 1 to 11 channels</td></tr>
<tr><td>Connection Method</td><td>(1) Camera access point mode
(2) Infrastructure mode</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-PSK</td><td>AES</td><td>• ASCII 8 characters</td></tr>
<tr><td>Open</td><td colspan="2">Disable</td></tr>
<tr><td rowspan="5">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</td><td rowspan="2">TKIP
AES</td><td rowspan="2">• Hexadecimal 64 digits
• ASCII 8–63 characters</td></tr>
<tr><td>WPA2-PSK</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.</td></tr>
<tr><td>Remote Operation Using EOS Utility</td><td>The camera can be controlled via Wi-Fi®, with Canon EOS Utility software installed in a compatible Mac or Windows computer.</td></tr>
<tr><td>Print from Wi-Fi® Printers</td><td>Not supported.</td></tr>
<tr><td>Send Images to a Web Service</td><td>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.</td></tr>
<tr><td colspan="2">Bluetooth®</td></tr>
<tr><td>Standards Compliance</td><td>Bluetooth Specification Version 4.2 compliant (Bluetooth low energy technology)</td></tr>
<tr><td>Transmission Method</td><td>GFSK modulation</td></tr>
</table>

Customization

Available Functions

Dial direction during Tv/Av; Control ring rotation direction; Customize buttons; Customize dials

Custom Controls

Customizable Buttons

Shutter button
Movie button
MODE button
AF-ON button
AE lock button
AF point button
Depth of field preview button
Lens AF stop button
Multi-function button
LCD panel illumination button
Set button
Multi-controller

Customizable Dials

Main dial
Quick control dial 1 & 2
Control ring

My Menu Registration

- Up to six top-tier menu items and Custom Functions can be registered.
- Up to five My Menu tabs can be added.

My Menu tab overall operations	• Adding a tab • Deleting tabs in a batch • Deleting all tab items • Setting the menu display
My Menu tab detailed operations	• 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)

Interface

USB Terminal

Equivalent to Hi-Speed USB (USB 3.1 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.

HDMI Out Terminal

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.

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. • 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 when the power switch is turned ON. Displayed in 5 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 3.84 x 3.48 in. / 138 x 97.5 x 88.4mm • Based on CIPA standards.
Weight	Approx. 1.5 lbs. / 680g (including battery, SD memory card; without body cap) Approx. 1.3 lbs. / 598g (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