

EOS R100

Туре	
Туре	Digital interchangeable lens, mirrorless camera
Image Processor	DIGIC 8
Recording Media	 (One) SD card slot Compatible with UHS-I Eye-Fi cards and Multimedia cards (MMC) are not supported.
Lens Mount	Canon RF mount
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) * Note that control ring of the Control Ring Mount Adaptor EF-EOS R does not function. * EXTENDER RF1.4x / RF2x is not compatible. (EXTENDER EF1.4x / EF2x is compatible when used with the Mount Adaptor.) * RF5.2mm F2.8 L DUAL FISHEYE and RF85mm F1.2 L USM DS are not compatible.
Image Sensor	
Туре	APS-C CMOS sensor (compatible with Dual Pixel CMOS AF)
Effective Pixels	Approx. 24.1 megapixels
Screen Size	Approx. 22.3×14.9 mm
Pixel Unit	Approx. 3.72 μm square
Total Pixels	Approx. 25.8 megapixels
Aspect Ratio	3:2 (Horizontal: Vertical)
Color Filter System	RGB primary color filters
Low Pass Filter	Not provided
Dust Deletion Feature	 Self Cleaning Sensor Unit not provided. Manual cleaning (by hand) not supported. 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.
Recording System	
Recording Format	Compliant to Design rule for Camera File system 2.0 and Exif 2.31* *Supports time offset information
Image Format	JPEG (.JPG), RAW, C-RAW (.CR3) * HEIF not supported. Movies: ALL-I (Time-lapse video only), IPB (Standard) (.MP4) * IPB (Light) not supported.

		Image Quality	,	File Size [Approx. MB]	Available Shots [Approx.]*1
		L (fine)		8.4	3600
	-	L (Norma	I)	4.5	6610
	-	M (fine)		4.6	6480
	JPEG	M (Norma	I)	2.6	11400
		S1 (Fine))	3.1	9690
File Size		S1 (Norma	al)	1.8	16010
		S2		1.8	16340
	RAW -	RAW		27.2	1120
	NAW	C-RAW		15.8	1930
	RAW+JPEG -	RAW + L (fine)		27.2 + 8.4	850
		C-RAW + L (fine)		15.8 + 8.4	1250
		are determined based on Canon testing standards. aries by shooting conditions (such as aspect ratio, subject, ISO s Electronic 1st-curtain (Approx. 6.5 shots/sec.)			I, Picture Style, and Custom Functions.
		Quality		tandard card*1	
	_	L (fine)		100	
	JPEG -	M (fine)		97	
		S1 (Fine)	97		
		S2	97		
Maximum Burst	RAW	RAW		6	
		C-RAW	17		
	RAW+JPEG -	RAW + L (fine)	6		
		C-RAW + L (fine)		13	
	* Maximum bur shooting in One * Maximum bur card brand, ISC	st as measured u e-Shot AF mode, st varies dependi) speed, Picture S	nder cond ISO 100, a ng on shoo Style, and	itions conforming to Cano and Standard Picture Styl	rms to Canon testing standards. on testing standards (continuous le). g aspect ratio, subject, memory

File Numbering	 File numbering methods a. Continuous numbering i. The numbering of captured images continues even after you replace the card. b. Auto reset
RAW + JPEG Simultaneous Recording	Simultaneous recording of any combination of RAW/C-RAW images and JPEG images 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 * Picture Style files can be registered to user-defined settings 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: With an EX / EL-series Speedlite having the color temperature information transmission feature, the color temperature setting changes to match the color temperature when the flash is fired. Set to approx. 6000 K if the flash unit does not have the color temperature communication feature.
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.
Viewfinder	
Туре	OLED color electronic viewfinder; 0.39-inch, approx. 2.36 million dots
Coverage	Approx. 100% (at JPEG Large image quality, 3:2 aspect ratio, approx. 22 mm eyepoint)
Magnification / Angle of View	Approx. $0.95 \times 28.0^{\circ}$ (3:2 aspect ratio, with 50mm lens at infinity, -1 m^{-1})
Eye Point	Approx. 22 mm (at –1 m ⁻¹ from eyepiece lens end)
Dioptric Adjustment Range	Approx. –3.0 to +1.0 m ⁻¹ (dpt)

Viewfinder Information	Users can customize and select whether to use the following three display elements. • Live View + basic information display • Live View + detailed information display • Live View + detailed information display + histogram				
Autofocus					
Focus Method	Still photo shooting: Dual Pixel CMOS AF				
Number of AF zones available for Automatic Selection	AF area: Horizontal: Approx. 88% x Vertical: Approx. 100% Stills: Max. 143 zones (13×11) Movies: Max. 117 zones (13×9)				
Selectable Positions for AF Point	AF area: Horizontal: Approx. 88% x Vertical: Approx. 100% Stills: Max. 3975 positions (75 × 53) Movies: Max. 3375 positions (75 × 45)				
Focusing brightness range (still photo shooting)	EV –4.0 to 20 (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)	EV –2.0 to 20 (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 * During Full HD (29.97/25.00 fps) recording				
AF Method	 Face+Tracking AF^{*1} Spot AF^{*1*2} 1-point AF Zone AF^{*2} *1: Not available in Panning mode. *2: Not available for 4K movies. * Some lenses and camera settings may reduce the number of AF areas and zones used. 				
Available Subject Detection	• People / Eye				
Eye Detection	 Auto: The eye closer to the camera is selected (as detected from the angle of the face). Changed Manually: Other eyes can be selected with the left and right cross keys after pressing the AF point selection button. Faces are selected when another subject's eyes cannot be detected. 				
Exposure Control					
Metering Modes	 384-zone (24×16) metering using image sensor output signals (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 				
Metering Range	Still Photo Shooting: EV -2 to 20 Movie Recording: EV 0 to 20				

Exposure Modes	Still Photo Shoo (1) Scene Intelli (2) Hybrid Auto (3) Special Sce (4) Creative Filt (5) Program AE (6) Shutter-prio (7) Aperture-pr (8) Manual Exp (9) Bulb Expose Movie Recordir (1) Movie auto e (2) Movie manu	gent Auto nes ers rity AE iority AE osure ure g: exposure					
	Manually Set						
	N	ormal	ISO 100–12800 (in 1/3-	or 1-stop increments)			
	Ex	panded	H (equivalent t	o ISO 25600)			
	When set to	o [Highlight tone prior	ity], the available manual	setting range is ISO 200–12800.			
	ISO Auto sett	ing range for still p	hoto shooting: Not sup	pored			
ISO Speed Range	ISO Auto details for still photo sho Shooting mode		No Flash	Using Flash ^{*5}			
	P / Tv / Av / Creative Zone M (other than bulb)		ISO 100*1*2-12800*2	ISO 100–1600*2			
		M (bulb)	ISO 400*3	ISO 400*3			
	Basic Zone	Scene Intelligent Auto Hybrid Auto	ISO 100–6400	ISO 100–6400			
	Basic Zone	Special Scene		nooting mode			
		Creative Filters Varies by shooting mode *1: ISO 200 when set to [Highlight tone priority: Enable/Enhanced].					
	*3: If outside the se *4: When using the	built-in flash. ISO 1600 v	he value closest to ISO 400. vhen using an external flash un	it. naximum ISO Auto limit for E-TTL.			
Exposure	Us	ser-set	±3 stops (in 1/3-st	op increments)			
Compensation		AEB	±3 stops (in 1/3-st				
AE Lock	 (1) Automatic AE lock In One-Shot AF mode, AE is locked as soon as subjects are in focus. (2) Manual AE lock By using the AE Lock button in P, Tv, Av, and M mode. Toggling: Press again to cancel and once more to refresh. Enabled in all metering modes. 						
Shutter							
Туре	* Electronic 1st * Except in siler	using the image sense	tain				

Shutter Speed / X-sync Speed	Creative Zone: 1/4000–30 sec., ^{*1} Bulb ^{*2} Basic Zone: 1/4000–1 sec. ^{*3} Maximum flash sync speed: 1/250 sec. *1: In 1/3-stop increments *2: In manual shooting mode only *3: Varies by mode.						
Shutter Release	Soft-touch elect	romagnetic release					
Self Timer	10-sec. delay, 2-	sec. delay, Continu	ious				
Image Stabilization	(IS mode)						
Still Photo IS	In-body IS not p Still Photo IS no						
External Speedlite							
Accessory Shoe	Conventional ac * Not compatible	•	lesigned for multi-function shoes				
E-TTL balance	Not supported						
Flash Exposure Compensation		stop increments) the camera menu					
Continuous flash control	Not supported * Set to [E-TTL e	each shot] and canr	not be changed				
Drive System							
	Drive Modes	AF operation	Electronic 1st curtain	Electronic shutter*4*6			
	Single Shooting	One-Shot AF / Servo AF	Yes	Yes*5			
	Continuous	One-Shot AF	6.5 shots/sec.*2	Not supported			
	Shooting*1	Servo AF	3.5 shots/sec.	Not supported			
Drive Modes and		10 sec.	Yes	Yes			
Continuous Shooting Speed	Self-timer	2 sec.	Yes	Yes			
- P		Continuous	Yes	Not supported			
	*1: RAW/C-RAW shot in continuous shooting is 12 bit A/D converted data. *2: AE and WB are fixed after the first shot. *4: In silent shutter mode *5: One-Shot AF and Servo AF cannot be selected. *6: RAW/C-RAW shot in silent shutter mode is 12 bit A/D converted data.						
Video Shooting							
	Normal Movies						
	Cont	ainer format	MP4				
	E	Bit depth	8 bit				
		mpression	H.264 / MPEG-4 AVC				
File Format		al recording range	Full range (0-255)				
		mpling method	YCbCr 4:2:0				
		ds compliance	Rec. ITU-R BT.709				
	Co	nor damut	Rec.709				

	Movie	Movie Recording Size			Total Recording Time (approx.)		
	Movie Recording	Frame Rate	Compression method	32 GB	128 GB	512 GB	File Size (approx.)
	4K UHD	23.98 fps	IPB (Standard)	35 min.	2 hr. 21 min.	9 hr. 27 min.	120 Mbps 861 MB/min.
	5	59.94 fps	IPB (Standard)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 52 min.	60 Mbps 432 MB/min.
	Full HD	29.97 fps 23.98 fps	IPB (Standard)	2 hr. 20 min.	9 hr. 23 min.	37 hr. 35 min.	30 Mbps 217 MB/min.
Estimated Recording	HD	59.94 fps	IPB (Standard)	2 hr. 42 min.	10 hr. 49 min.	43 hr. 19 min.	26 Mbps 188 MB/min.
time, Movie Bit Rate and File Size	Full UHD (High Frame Rate movie)	119.88 fps	IPB (Standard)	1 hr. 22 min.	5 hr. 28 min.	21 hr. 52 min.	52 Mbps 372 MB/min
	4K (Time-lapse movie)	29.97 fps	ALL-I	14 min.	56 min.	3 hr. 47 min.	300 Mbps 2146 MB/min.
	Full HD (Time-lapse movie)	29.97 fps	ALL-I	47 min.	3 hr. 9 min.	12 hr. 38 min.	90 Mbps 644 MB/min.
	Miniature effect movies	29.97 fps 23.98 fps	IPB (Standard)	2 hr. 20 min.	9 hr. 23 min.	37 hr. 35 min.	30 Mbps 217 MB/min.
	Мс	Movie Recording Size			SD Cord		
	Resolution	Frame rate Compression (fps) Method SD Card			D Card		
	4K UHD	23.98 fps	IPB (Standard)		UHS Speed Class 3 or higher		
		59.94 fps	IPB (Standard)		SD Speed (Class 10 or highe	er
Card Performance	Full HD	29.97 fps 23.98 fps	IPB (Standard)		SD Speed	Class 6 or highe	r
Requirements	HD	59.94	IPB (Standard)		SD Speed	Class 4 or highe	r
	High Frame Rate movies	119.88 fps	IPB (Standard)		SD Speed (Class 10 or highe	er
	4K (Time-lapse movie)	29.97 fps	ALL-I	Read speed of 40 MB/s or hig		her	
	Full HD (Time-	29.97 fps	ALL-I	Read speed of 20 MB/s or higher		her	
	lapse movie)						
	Miniature effect movie	29.97 fps 23.98 fps	IPB (Standard)		SD Speed	Class 6 or highe	r

Time Code	Not supported						
Movie Pre-recording	Not supported						
		Time required (max.)					
	Scene 1	1-4 sec.	30-900*2	Approx. 1 hr.			
Time-lapse Movie	Scene 2	5–10 sec.	30-720*2	Approx. 2 hr.			
Setting	Scene 3	11–30 sec.	30-240*2	Approx. 2 hr.			
	Custom	1 sec. to 60 min.	2-3600*3	Approx. 150 days			
	*1: Can be set in 1-sec. incre *2: Can be set in 30-shot inc *3: Can be set in 1-shot incre	rements.					
Time-lapse Playback Frame Rate	29.97 (set to NTSC); 25.00)fps (set to PAL)					
LCD Screen							
Туре	TFT color, liquid-crystal mo	onitor					
Monitor Size	3.0-inch (screen aspect rat 2.95 in./7.5cm diagonal (2.		n./4.2cm height)				
Dots	Approx. 1.04 million dots						
Coverage	Approx. 100% vertically/ho	rizontally					
Brightness Control	Manually adjustable in a range of 1–7						
Touch-screen Operation	Not provided						
Coating	Anti-smudge coating not provided. Anti-reflection coating not provided.						
Interface Languages	29 (English, German, Fren Swedish, Spanish, Greek, Arabic, Thai, Simplified/Tra	Russian, Polish, Czech, H	lungarian, Vietname	se, Hindi, Romanian, Turkis			
Playback	-						
	Item	Still Photo		Movie			
	Magnify zoom display	1.5×–10× (15 lev	els)	-			
	AF point display	Yes		-			
	Grid display	Off / 3×3 / 6×4 / 3×3	3+diag	-			
	Zebra display	-		Not supported			
Display Format	False Color display	-		Not supported			
	Rating	Select images / Select r	OFF / 1 to 5 Star ange / All images in fo found images	s older / All images on card / All			
	Image Search	Search conditions Rating / Date / Folder / Protection / Type of file					
	Shooting information display	No information display / Basic information display / Detailed shooting information display					

Highlight Alert	Yes * Detailed information displa	ay only			
Histogram	Brightness / RGB				
Quick Control Fund	tion				
Function	The Quick Control screen ca shooting, movie recording, c		ing the Quick Cor	trol button during still photo	
Quick Control Screen	Displayable * Only the conventional Quid	ck Control screen			
Image Protection a	nd Erase				
Protection	Select images / Select rang / Unprotect all images on ca	-		es in folder / All images on ca images	
Erase	Select and erase images / S	Select range / All images	in folder / All imag	es on card / All found images	
Direct Printing					
Wireless Connections	Images can be sent via Wi-I	Fi to a PictBridge-compa	tible (wireless LAI	N) printer and printed.	
DPOF: Digital Print	Order Format				
DPOF	Compliant to DPOF Version	1.1			
Wi-Fi [®]					
	Equivalant to IEEE 902 11h/	ala Standarda			
Supporting Standards	Equivalent to IEEE 802.11b/	-			
Transmission Method	DS-SS modulation (IEEE 80 OFDM modulation (IEEE 80	,			
Transition Frequency (Central Frequency)	Frequency: 2412 to 2462 Channels: 1 to 11 channe 5.0 GHz band Not supported (1) Camera access point mo	els			
Connection Method	(2) Infrastructure mode				
	O and a strength of the st	A		Encryption	
	Connection Method	Authentication	Encryption	Key Format and Length	
	Camera Access Point	WPA2-PSK	AES	ASCII 8 characters	
Security		Open Open	WEP	Disable • Hexadecimal 10 digits • Hexadecimal 26 digits • ASCII 5 characters • ASCII 13 characters	
	Infrastructure			Disable	
		Shared key	WEP	Same as WEP above	
		WPA-PSK WPA2-PSK	TKIP AES	Hexadecimal 64 digits ASCII 8–63 characters	
Communication with a Smartphone	specifications. • Images can be sent to a sr • NFC connection: Not supp • Supported images: JPEG, • Transcoding while sending	era using a smartphone martphone. oorted RAW/C-RAW, MP4 vide	o files	ding on the Camera Connect	
Remote Operation	pressed) The camera can be controlle	ed via Wi-Fi®or USB, wit	h Canon EOS Util	ity software installed in a com	

Print from Wi-Fi® Printers	Supported				
Send Images to a Web Service	image.canon: Video files (MP4) and JPEG, 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 4.2 compliant (Bluetooth Low Energy technology)				
Transmission Method	GFSK modulation				
Bluetooth Pairing	Smartphone — up to 10 devices; BR-E1 remote controller — 1 unit				
Customization					
Available Functions	Customize buttons				
Customize Buttons	Functions can be assigned to the following camera controls. • Shutter button (half-press) • Exposure compensation button • AE lock button • ISO speed setting button • Flash button • Movie shooting button • Drive mode button				
Customizable Dials	Customize control ring not supported.				
My Menu Registration	 Up to six items from the menu items and the top-tier items of Custom Functions can be registered to each tab. Up to five My Menu tabs can be added. Add My Menu tab Delete all My Menu tabs Delete all My Menu tabs Delete all items Menu display (display method) My Menu tab detailed operations Select items to register Sort registered items Delete all items on tab Delete tab Rename tab (16 ASCII characters) 				
Video Calls / Strear	ning				
USB Video Class (UVC)	Not supported.				
Interface					
USB Terminal	Equivalent to Hi-Speed USB (USB 2.0) For PC communication Terminal type: USB Type-C * Cannot be connected to a printer * Not for communication with smartphones * Charging and powering the camera via USB are not supported 				
HDMI Out Terminal	HDMI micro OUT terminal (Type D) * Resolution switches automatically * HDMI CEC not supported * Images not displayed unless [For NTSC] or [For PAL] is set correctly for the TV video system				
Clean HDMI Output	Provided				
Microphone terminal	3.5mm diameter stereo mini jack				

Headphone terminal	Not provided.						
Power Source							
Battery	Canon LP-E17 battery pack • With the AC Adapter AC-E6N + I can also be used).	• With the AC Adapter AC-E6N + DC Coupler DR-E18, AC power is possible (AC Adapter Kit ACK-E18					
Optional Battery Grip	Not supported.						
Battery Check	Automatic battery check with 4-lev	vel display when the pow	ver switch is turned ON.				
Start-up Time	Approx. 0.9 sec. • Based on CIPA testing standa	rds.					
Dimensions and W	eight						
Dimensions (W x H x D)	Approx. 4.58 × 3.37 × 2.71 in. / 110 • Based on CIPA standards.	6.3 x 85.5 x 68.8mm					
		Weight					
Weight	Body (including battery and card) ^{*1}	Approx. 12.56 oz.	Approx. 356 g				
Weight	Body only	Approx. 10.90 oz.	Approx. 309 g				
	* Not including body cap. *1: Based on CIPA guidelines. * Shoe cover not provided.						
Operating Environ	nent						
Working Temperature Range	32–104°F / 0–40°C						
Working Humidity Range	85% or less						