EOS R100

TECHNICAL SPECIFICATIONS

Canon

EOS R100

A small camera for life's moments

BIG ON QUALITY AND SMALL IN SIZE

Big on quality and small in size, the EOS R100 is Canon's lightest EOS R series camera to date*. Weighing only 356g this APS-C mirrorless camera is small enough to easily carry around with you. Always be ready to capture life's moments in quality.

BUILT-IN CREATIVITY

The EOS R100's high resolution 24.1MP sensor and simple guided user interface makes professional-looking photos easy. Use intuitive automatic shooting modes like Creative Assist and Creative Filters to give your images that edge.

SHOOT TO SHARE

The EOS R100 records amazing 4K 24p (crop) and slow motion 120p video that allows you to re-live those special moments. Capture video that's ready to send on smartphone or share on social media with Vertical Video playback.

EXPERIENCE PRECISION

Well-balanced, lightweight but with the feel of a traditional camera, experience precision with a built-in electronic viewfinder. Have clear visibility even when shooting the bright outdoors, so you can concentrate on capturing beautiful photos and videos.

SIMPLE SMARTPHONE CONNECTION

Connect with ease. The EOS R100 enables you to connect to the cloud or smart device seamlessly to edit, share or store. Transfer photos and videos via Wi-Fi or Bluetooth® with the Canon Connect app or image.canon.

* As at May 2023

EOS R100 | SPECIFICATIONS

TYPE			
Lens mount			RF mount
Compatible lenses			RF/RF-S lenses (EF/EF-S lenses with EF-EOS R adapter)
Image processor			DIGIC 8

IMAGE SENSOR			
Screen size			APS-C size
Effective pixels (max. approx. megapixels)			24.1

RECORDING MEDIA			
Recording media			SDXC/SDHC/SD (UHS-I compatible)

STILL PHOTO RECORDING			
Image quality	**JPEG/HEIF**		Yes / —
	RAW/C-RAW		Yes / Yes
Maximum burst (approx.)[1]	**Electronic 1st-curtain**	**JPEG Large/Fine**	100
		RAW	6

MOVIE RECORDING			
Movie recording size	**4K UHD**		Yes (23.98/25.00 fps, crop)
	Full HD		Yes
	HD		Yes
High Frame Rate movies			HD (120/100p)
Time-lapse movies	**4K**		Yes
	Full HD		Yes
Miniature effect movie			Yes
Video compression format	**ALL-I**		Yes (for time-lapse movies)
	IPB (Standard)/IPB (Light)		Yes / —
MP4 recording			Yes
Maximum recording time per recording	**Normal movies**		29 min. 59 sec.
	High Frame Rate	**120/100p**	7 min. 29 sec.
Built-in microphone			Monaural
Digital zoom			Yes (approx. 3–10x)
HDMI output for movie footage			Yes

IMAGE CREATION/PROCESSING (STILL PHOTOS/MOVIES)			
Lens aberration correction	**Digital Lens Optimizer**		Yes

AUTOFOCUS		
Focusing brightness range * Except RF lenses with a Defocus Smoothing (DS coating	**Still photos (center AF point, One-Shot AF, at room temperature, ISO 100)**	EV –4.0 to 20 (using an f/1.2 lens)
	Movies (Full HD, center AF point, One-Shot AF, at room temperature, ISO 100, and 29.97 fps)	EV –2.0 to 20 (using an f/1.2 lens)
AF operation	**One-Shot AF**	Yes
	AI Focus AF (still photos)	— (in A+ mode, auto switching from One-Shot AF to Servo AF)
Movie Servo AF		Yes
No. of AF areas available for automatic selection (max. zones)		143
AF method (AF area)	**Face+Tracking AF**	Yes
	Spot AF	Yes
	1-point AF	Yes
	Zone AF	Yes
Subject detection	**People**	Yes
Eye detection		Yes
VIEWFINDER		
Type		Electronic (electronic viewfinder)
Dimensions		0.39 inch
Dot count (approx., 10,000 dots)		236
Electronic viewfinder refresh rate (max. fps)		59.94
Coverage (approx. %)		100
Magnification (approx. ×) (3:2 aspect ratio, with 50 mm lens at infinity, –1 m^{-1})		0.95
Eyepoint (approx. mm)		22
Dioptric adjustment (approx. dpt)		–3.0 to +1.0
SCREEN		
Screen size		3.0 inch
Dot count (approx., 10,000 dots)		104
DISPLAY SETTINGS (APPLIES TO BOTH VIEWFINDER AND SCREEN)		
Display performance (Power saving/Smooth)		Yes
Display simulation		— (exposure simulation)
SHOOTING MODE		
Still photo shooting mode		A+/Hybrid Auto/ Special scene mode/ Creative filters/ P/Tv/Av/M
Creative Assist		Yes
Movie recording mode	**Movie auto exposure**	Yes
	Movie manual exposure	Yes

EXPOSURE CONTROL

Metering brightness range	**Still photos (at room temperature, ISO 100)**	EV –2 to 20
	Movies (at room temperature, ISO 100)	EV 0 to 20
ISO speed (still photos)	**Normal**	100 to 12800
	ISO expansion (max. ISO equivalent)	25600
ISO speed (normal movies)	**Normal**	4K: 100 to 6400 Full HD/HD: 100 to 12800
	Expansion for faster speeds (max. ISO equivalent)	4K: not available Full HD/HD: 25600

SHUTTER

Shutter mode	**Electronic 1st-curtain**	Yes
	Electronic shutter	Yes (in silent shutter mode)
X-sync speed (sec.)		X-sync at 1/250 sec.

IMAGE STABILIZATION (IS MODE)

Movie digital IS	Yes

DRIVE

Continuous shooting speed (max. approx. shots/sec.)	**High-speed continuous shooting +**	**Electronic 1st curtain**	Continuous shooting (electronic 1st-curtain) • One-Shot AF: 6.5 • Servo AF: 3.5
		Electronic shutter	
	High-speed continuous shooting	**Electronic 1st-curtain**	
		Electronic shutter	
	Low-speed continuous shooting	**Electronic 1st-curtain**	
		Electronic shutter	

TIMER SHOOTING

Movie self-timer	Yes

FLASH

Built-in flash (guide number, ISO 100, approx. m)	6
External flash	Yes
Wireless connections	Yes

CUSTOMISE BUTTONS

Customise buttons	Yes

DISPLAY LEVEL SETTINGS

Display level settings	Yes

EXTERNAL INTERFACE

Digital terminal	USB Type-C
HDMI output terminal	Type D
External microphone IN terminal	Yes
Remote control terminal (E3 type)	Yes
Accessory shoe	Yes

POWER SOURCE

Battery pack		LP-E17
AC power source		AC-E6N / DR-E18
Number of available shots (approx. shots at 23℃/73℉)	**Viewfinder**	Power saving AE50%: 320[2]/AE100%: 340[3]
	Screen	Power saving AE50%: 400[2]/AE100%: 430[3]

COMMUNICATION FUNCTIONS		
Supported standards	**Built-in Wi-Fi (wireless LAN)**	Equivalent to IEEE 802.11b/g/n
	Bluetooth	Ver. 4.2
	USB	Equivalent to Hi-Speed USB (USB 2.0)
Camera Connect		Yes
EOS Utility		Yes
image.canon		Yes
Remote control shooting with BR-E1		Yes
DIMENSIONS AND WEIGHT		
Dimensions (approx. width × height × depth, based on CIPA standards)		116.3x85.5x68.8mm
Weight (approx. including battery and card)		356g

[1] Using a UHS-I card conforming to Canon testing standards. Continuous shooting speed may be slower depending on factors such as measurement conditions and camera settings.

[2] Based on CIPA standards.

[3] According to Canon measurement conditions, which are based on CIPA standards.

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