

EOS R100

FOR LIFE'S MOST PRECIOUS MEMORIES

Providing all the features you need in a compact design, the EOS R100 captures your special moments in outstanding quality to do your memories justice.



- Capture lifelong memories
- Always catch the moment
- Get creative, effortlessly
- Seamless connectivity
- At the ready

24.1 MEGA
PIXELS
CMOS

4K
UHD

Dual Pixel AF
CMOS

Eye Detection
AF

FULL
HD

WiFi
CERTIFIED

PRODUCT RANGE



EOS R10



EOS R50



EOS R100

EOS R10
EOS R50
EOS R100

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TECHNICAL SPECIFICATIONS

EOS R100

IMAGE SENSOR

Type	22.3 x 14.9mm CMOS
Effective Pixels	Approx. 24.1 megapixels
Total pixels	Approx 25.8 megapixels
Aspect Ratio	3:2
Low-Pass Filter	None
Sensor Cleaning	None
Colour Filter Type	RGB Primary Colour
Sensor Shift-IS	No

IMAGE PROCESSOR

Type	DIGIC 8
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LENS

Lens Mount	RF
Lens Compatibility	RF, RF-S (EF and EF-S lenses compatible via mount adapter) ¹
Focal Length	Equivalent to 1.6x the 35mm focal length of the lens
In Body Image Stabilisation	Not Provided
Image Stabilisation	Optical stabilisation with lenses featuring IS Movie Digital IS: Off / Enabled / Enhanced ²

FOCUSING

Type	Dual Pixel CMOS AF System Contrast detection method is used during 4K Movie Servo AF
AF System/Points	Stills: Maximum 3975 positions Video: Maximum 3375 positions

Maximum 143/99 points available for automatic selection in Face+Tracking mode. May vary depending on settings.

Max 25 frames in Zone AF¹

Freely position 1 AF point/ 1 AF Zone via manual selection (area available lens dependent)

EV -4 - 18 / EV -2 - 18³

AF working range (stills / movies)

AF Modes One-Shot AF and Servo AF

AF Point Selection

Face+ Tracking
Spot AF
1-point AF
Zone AF

Stills: Maximum 3975 positions
Video: Maximum 3375 positions

Maximum 143/99 points available for automatic selection in Face+Tracking mode. May vary depending on settings.

Max 25 frames in Zone AF¹

Freely position 1 AF point/ 1 AF Zone via manual selection (area available lens dependent)
Humans (Eyes/Face/Head/Body)

AF Tracking

AF Lock Locked when shutter button is pressed half way or customisable AE Lock Button

AF Assist Beam

Manual Focus via LED assist beam
With RF lenses: Via dedicated AF/MF switch on lens where available, or in menu
With EF & EF-S lenses - Select via AF/MF switch on lens
MF Peaking available
AF+MF available (Manual focus adjustment after One-Shot AF)
Magnify image available during MF (3-10x, in 0.1x increments)⁴

EXPOSURE CONTROL

Metering modes	Real-time metering from the image sensor (1) Evaluative metering (384 zones, 24x16) (2) Partial metering at center (approx. 5.8% of Live View Screen)- stills only (3) Center weighted average metering (4) Spot metering (approx. 2.9% of Live View Screen) Partial and spot metering not available in movie
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Metering Range

AE Lock

Exposure Compensation

AEB

Anti-Flicker Shooting⁶

ISO Sensitivity

SHUTTER

Type

Speed

Shutter Release

WHITE BALANCE

Type

Settings

Custom White Balance

WB Bracketing

VIEWFINDER

Type

Dot Count

Coverage (Vertical/Horizontal)

Magnification

Eyepoint

Diopre Correction

Viewfinder Information

Depth of field preview

Eyepiece Shutter

LCD MONITOR

Type

Coverage

Brightness Adjustment

Touch-Screen Operations

Display Options

FLASH

Built-in Flash GN (ISO 100, meters)

Built-in Flash Coverage

Built-in Flash recycle time

Still image: EV -2 - 20⁵
Movie: EV 0 - 20
Auto: In One-shot AF mode, exposure is locked as soon as subjects are in focus
Manual: By AE Lock Button in creative zone or movie modes
+/- 3 EV in 1/3 stop increments
3 shots, +/- 2 EV, 1/3-stop increments
Yes, Flicker detected at a frequency of 100 Hz or 120 Hz
High frequency anti-flicker shooting not provided
Normal ISO speed: ISO 100-12800 in 1/3 or 1-stop increments
Expanded ISO speed: H (equivalent to ISO 25600)⁷

Electronically controlled focal-plane shutter (Rolling shutter, using the image sensor)
Electronic first curtain, mechanical 2nd curtain⁸
30 - 1/4000 sec (1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
Soft-touch electromagnetic release

Auto white balance with the imaging sensor
AWB (Ambience priority/White priority), Daylight, Shade, Cloudy, Tungsten light, White Fluorescent light, Flash, Custom, Colour Temperature Setting
White balance compensation:
1. Blue/Amber +/-9
2. Magenta/Green +/-9¹⁰
Yes, select an image on a card for use as a custom white balance
+/- 3 levels, single level increments¹¹

0.39-type OLED Electronic Viewfinder
Approx. 2,360,000 dots
Approx 100%¹²
Approx. 0.95x¹³
Approx 22mm¹⁴
Approx. -3.0 to +1.0 m⁻¹ (dpt)
Viewfinder sensor: provided
Vertical display for Stills only. Exposure Simulation¹⁵
*Customisable and toggle via [INFO] Button¹⁶
(1) Liveview image with exposure info
(2) Liveview image with basic info
(3) Liveview image with full info
Customisable settings:
Grid overlay (x3 formats), Histogram (Brightness/ RGB)
Viewfinder Brightness: Manually adjustable 1-5
Yes
No

7.5 cm (3.0") LCD (TFT), 3:2 aspect ratio. Approx. 1,040,000 dots.
Approx 100%
Adjustable to one of seven levels
No
Customisable and toggle via [INFO] Button¹⁶
(1) Liveview image with exposure info
(2) Liveview image with basic info
(3) Liveview image with full info
Customisable settings:
Grid overlay (x3 formats), Histogram (Brightness/ RGB)

6
Approx. 18mm angle of view
Approx. 5 seconds

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TECHNICAL SPECIFICATIONS

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Modes	Auto Fire Off E-TTL II flash metering (Evaluative (Face Priority) / Evaluative / Average) Yes	Interval Timer FILE TYPE Still Image Type	No JPEG: 8 bits, Standard / Fine: (Exif 2.31 compliant) / Design rule for Camera File system (2.0) RAW: RAW, C-CRAW (CR3 14 bits) Digital Print Order Format [DPOF] Version 1.1 compliant ²² Yes, RAW + various JPEG compression possible
Red-Eye Reduction		RAW+JPEG simultaneous recording Image Size	RAW / C-RAW: 24.0 megapixels (6000 x 4000) JPEG 3:2: L 24 megapixels (6000 x 4000) M 10.6 megapixels (3984 x 2656) S1 5.9 megapixels (2976 x 1984) S2 3.8 megapixels (2400 x 1600)
X-sync	1/250 sec		JPEG 4:3: L 21.3 megapixels (5328 x 4000) M 9.5 megapixels (3552 x 2664) S1 5.3 megapixels (2656 x 1992) S2 3.4 megapixels (2112 x 1600)
Flash Exposure Compensation	+/- 2 EV in 1/3 increments		JPEG 16:9: L 20.2 megapixels (6000 x 3368) M 8.9 megapixels (3984 x 2240) S1 5.0 megapixels (2976 x 1680) S2 3.2 megapixels (2400 x 1344)
Flash Exposure Bracketing	No		JPEG 1:1: L 16.0 megapixels (4000 x 4000) M 7.1 megapixels (2656 x 2656) S1 3.9 megapixels (1984 x 1984) S2 2.6 megapixels (1600 x 1600) ²³ New folders can be created and selected
Flash Exposure Lock	Yes		(1) Continuous, Auto Reset (2) Manual Reset
Second Curtain Synchronisation	Yes ¹⁷	Folders File Numbering	
HotShoe	5-pin shoe only	EOS MOVIE Movie Type Movie Size	MP4: MPEG-4 AVC/H.264, Audio: AAC 4K UHD- 3840 x 2160, 23.98 / 25 fps, IPB (Standard), AAC Full HD - 1920 x 1080, 59.94 / 50 / 29.97 / 25 / 23.98 fps, IPB (Standard), AAC HD- 1280 x 720, 59.94 / 50 fps, IPB (Standard), AAC High Frame Rate movies- 1280 x 720, 119.88 / 100 fps, IPB (Standard), No audio Time-lapse movie- 3840 x 2160 / 1920 x 1080, 29.97 / 25 fps, All-I, No audio Miniature effect movies- 1920 x 1080, 29.97 / 25 / 23.98 fps, IPB (Standard), No audio ²⁴
External Flash Compatibility	E-TTL II with EX and EL series Speedlites, wireless multi-flash support ¹⁸	Colour Sampling (Internal recording) Canon Log Movie Length	4K / Full HD: YCbCr4:2:0:8-bit Not supported Max duration 29min 59sec Max file size: SDXC: exFAT: Unlimited SDHC: FAT32: 4 GB SD: FAT16 / FAT12: 2GB HD 1280 x 720, at 100 or 119.88 fps Recorded as 1/4 speed slow motion movie 8.3-megapixel JPEG still image frame grab from 4K UHD movie possible 4K UHD (23.98, 25 fps): IPB (Standard) 120 Mbps Full HD (59.94, 50 fps): IPB (Standard) 60 Mbps Full HD (29.97, 23.98, 25 fps): IPB (Standard) 30 Mbps HD (59.94, 50 fps): IPB (Standard) 26 Mbps HFR movies (119.88, 100 fps): IPB (Standard) 52 Mbps 4K time-lapse (29.97, 25 fps): ALL-I 300 Mbps Full HD time-lapse (29.97, 25 fps): ALL-I 90 Mbps Miniature effect (29.97, 23.98, 25 fps): IPB (Standard) 30 Mbps
External Flash Control	Via camera setting/ flash setting menu	High Frame Rate Movie Frame Grab Bitrate/Mbps	Not supported
SHOOTING		Dual Card Recording Microphone HDMI Display	Not supported Built-in monaural microphone (48 KHz, 16-bit x 2 channels) Output to external monitor only (output of images and shooting information, images/video are recorded to the card) Camera screen and External Monitor output (Recording to camera is not possible, use with external recorder, camera screen shows images with shooting information)
Modes	Stills: Scene Intelligent Auto Hybrid Auto SCN Special Scene Modes (x10) - Portrait - Landscape - Sports - Panning - Close-up - Food - Night Portrait - Handheld Night Scene - HDR Backlight Control - Silent shutter mode ¹⁹ 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 ²⁰ P (Program AE) Tv (Shutter-priority AE) Av (Aperture-priority AE) M (Manual exposure, bulb exposure) Movies: Movie auto exposure Movie manual exposure		
Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3) sRGB and Adobe RGB		
Colour Space	Highlight Tone Priority (standard and enhanced) Auto Lighting Optimizer (4 settings) Long exposure noise reduction High ISO speed noise reduction (4 settings + Multi Shot NR) Lens peripheral illumination correction Chromatic aberration correction Diffraction correction Digital Lens Optimizer (DLO)		
Image Processing	Creative Assist: Presets Background Blur (5 settings) Brightness (19 levels) Contrast (9 levels) Saturation (9 levels) Color Tone 1 & 2 (19 levels) Monochrome (Off/Black and white/Sepia/Blue/Purple/Green)		
Drive modes	Single Shooting Continuous Shooting Self-timer: 10 sec. / remote control Self-timer: 2 sec. / remote control Self-timer: continuous shooting		
Continuous Shooting	One shot AF: Max. Approx. 6.5 shots/sec with Electronic 1st-curtain shutter, speed maintained for 97 JPEG(All sizes) or 6 RAW, 17 C-RAW, or RAW + L JPEG: 6, C-RAW + L JPEG: 13 images. ²¹ Servo AF: Max. Approx. 3.5 shots/sec.		

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TECHNICAL SPECIFICATIONS

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HDMI Output	HDMI Micro OUT terminal (Type D) Auto: - 4K (UHD): NTSC (23.98), PAL (25.00p) - 1080 NTSC (59.94p / 59.94i), PAL (50.00p / 50.00i) - 480 NTSC (59.94p) - 576 PAL (50.00p) 1080p: - 1080 NTSC (59.94p / 59.94i), PAL (50.00p / 50.00i) - 480 NTSC (59.94p) - 576 PAL (50p)	DIRECT PRINT	
		Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
		PictBridge	PictBridge-compatible (wireless LAN) printer compatible
Focusing	4K: Contrast detection AF Full HD: Dual Pixel CMOS AF HFR Movie: Autofocus disabled	STORAGE	
ISO	Auto: 100-12800, H: 25600 Manual: 100-12800, H: 25600	Type	SD, SDHC, SDXC (UHS-I compatible)
OTHER FEATURES		PC & Macintosh	See support pages for up-to-date information
Custom Functions	ISO Expansion Safety shift 7 customisable buttons - Shutter button (half press) - Exposure compensation button - AE lock button - ISO speed setting button - Flash button - Movie shooting button - Drive mode button Release shutter without lens Retract lens on power off User copyright information (Author's Name, Copyright Details) Image rating (0-5 stars)	SOFTWARE	
		Image Processing	Digital Photo Professional Picture Style Editor, EOS Utility, Image Transfer Utility Camera Connect app available on iOS and Android devices
		Other	
Metadata Tag		POWER SOURCE	
LCD Panel / Illumination	No	Batteries	1 x Rechargeable Li-ion Battery LP-E17
Water/ Dust resistance	No	Battery life	Viewfinder: Approx. 340 shots (Based on CIPA standards) Live view: Approx 430 shots (Based on CIPA standards) 4K Movie Recording: Approx. 110 mins Full HD Movie Recording: Approx 160 mins Playback time when playing back a slideshow of still images: Approx. 190 mins
Sound Memo	No		
Intelligent Orientation Sensor	No	Battery Indicator	(With a new, fully charged LP-E17) 4 levels
Playback zoom	1.5x - 10x in 15 levels	Power saving	Display off (15, 30 sec or 1, 3, 5, 10, 30 mins) Auto Power Down (30 sec or 1, 3, 5, 10 mins, Disable) Viewfinder off (1, 3 min, disable)
Playback Display Formats	(1) Single image with information (toggle options) (2) Single image (3) Index display (4/9/36/100 images) Playback time: 1/2/3/5/10/20 seconds Repeat: Enable / Disable Transition Effects: Off, Slide in 1-2, Fade 1-3 Background music: Off / On	Power Supply & Battery Chargers	Power saving mode Battery charger LC-E17E AC adapter AC-E6N DC Coupler DR-E18 ²⁶
Slide Show		ACCESSORIES	
		Wireless File Transmitter	Not compatible
Histogram	Brightness/ RGB	Cases / Straps	Protecting cloth PC-E1 / PC-E2 Strap provided RF and RF-S lenses EF and EF-S lenses compatible via adapter EF-M lenses not compatible ²⁷
Highlight Alert	Yes ²⁵	Lenses	Mount Adapter EF-EOS R, Drop-in Filter Mount Adapter EF-EOS R ²⁸
Image Erase	Single image, select range, Selected images, Folder, Card	Lens Adapters	EL series Speedlites: EL-1 / EL-100 EX series Speedlites / MacroLite Speedlite Transmitter ST-E3-RT (Ver. 2) / ST-E3-RT / ST-E2 Off-Camera shoe cord OC-E3 ²⁹
Image Erase Protection	Erase: Single image, Selected images, Selected range, folder, All images on card , All found images Protection: Selected images, Selected range, All images, Folder	Flash	Bluetooth Remote BR-E1 Tripod grip HG-100TBR Remote Switch RS-60E3 ³⁰ Interface cable IFC-100U Interface cable IFC-400U Mount Adapter EF-EOS R
Self Timer	2 sec., 10 sec	Remote Controller/ Switch	
Menu Categories	(1) Shooting menu (2) Playback menu (3) Communication features menu (4) Function settings menu (5) Display level settings menu (6) My Menu	Other	
Menu Languages	29 Languages English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Malay, Vietnamese, Indonesian, Hindi, Japanese	PHYSICAL SPECIFICATIONS	
Firmware Update	Firmware update possible by the user via SD card, EOS Utility or Camera Connect app	Body Materials	Mainly polycarbonate resin with glass fibre that incorporates an aluminium alloy
INTERFACE		Operating Environment	0 - 40 °C, 85% or less humidity
Computer	Hi-Speed USB (USB 2.0), USB Type-C terminal	Dimensions (WxHxD)	116.3 x 85.5 x 68.8mm
Wi-Fi	Wireless LAN (IEEE802.11b/g/n) (2.4 GHz), with Bluetooth 4.2 support Features supported - EOS Utility, Smartphone, Upload to image.canon, Wireless printing	Weight (body only)	Approx. 356 g ³¹
Other	HDMI (Micro - Type-D connector), HDR output to compatible TV supported External microphone in (3.5mm stereo mini jack)		

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TECHNICAL SPECIFICATIONS

EOS R100

Footnotes:

- [1] RF 5.2mm F2.8L DUAL FISHEYE and RF 85mm F1.2L USM DS are not compatible
- [2] When using Movie Digital IS, the movie will be cropped
- [3] When using an f/1.2 lens (except RF lenses with a DS coating) with the center AF point and One-Shot AF at room temperature and ISO 100
- [4] When lenses with a focus mode switch are used, the setting on the lens takes precedence
- [5] At room temperature, ISO 100
- [6] Not available when using the electronic shutter
- Flicker can also be detected manually
- Increases shutter-release time lag
- May decrease continuous shooting speed
- The interval between shots in continuous shooting may vary
- Color tone may not match the color tone of images captured with this feature set to [Disable]
- Changing light source conditions during continuous shooting may prevent reduction of the effects of flicker
- [7] When set to [Highlight tone priority], the available manual setting range is ISO 200-12800
- [8] Not available in silent shutter mode
- [9] When using rolling shutter, distortion can occur
- When using silent shutter, RAW/C-RAW is processed with 12-bit A/D conversion
- [10] Shifted from the colour temperature of the current WB mode
- Blue / Amber and Magenta / Green can be set at the same time
- Cannot be used in conjunction with WB bracketing
- [11] WB shift cannot be used in conjunction with WB bracketing
- [12] At JPEG Large image quality, a 3:2 aspect ratio and approx 22mm eyepoint
- [13] 3:2 aspect ratio, with 50mm lens focussed at infinity, -1m⁻¹
- [14] At -1m⁻¹ from eyepiece lens end
- [15] Depth of field (aperture setting) is not applied
- [14] Applies to both viewfinder and screen
- [17] First curtain synchronisation is used with shutter speeds faster than 1/60 sec.
- [18] Not compatible with accessories designed for multi-function shoes
- [19] Brightness can be set except in HDR Backlight Control mode
- Panning-effect can be set Min / Med / Max
- Food- Five levels of colour tone (Cool <-> Warm) can be set
- Handheld Night Scene- Flash photography with the built-in flash is not available
- Silent shutter mode- The camera may make sounds for operations such as autofocus, aperture adjustment and image stabilisation. Flash photography is not available
- [20] Only JEGs can be captured in Creative filters mode
- [21] Number of shots using a UHS-I compliant 32GB card that conforms to Canon testing standards
- Maximum burst as measured under conditions conforming to Canon testing standards (continuous shooting in One-Shot AF mode, ISO 100, and Standard Picture Style
- Maximum burst varies depending on shooting conditions including aspect ratio, subject, memory card brand, ISO speed, Picture Style and Custom Functions etc.
- Setting Auto Lighting Optimizer to [High] reduces maximum burst
- [22] When using continuous shooting in silent shutter mode, 12-bit A/D conversion is applied to RAW files
- [23] Maximum burst as measured under conditions conforming to Canon testing standards (continuous shooting in One-Shot AF mode, ISO 100, and Standard Picture Style)
- [24] When resolution is 3840 x 2160, image is cropped around the centre of the image sensor
- Digital zoom is only available when using Full HD at 29.97 / 25 / 23.98 fps
- For High Frame Rate movies, Time-lapse movies and Miniature effect movies, sound recording, Movie Servo AF, Movie digital IS and Movie auto slow shutter are disabled
- For High Frame Rate movies and Time-lapse movies, AF is disabled during recording
- High Frame Rate movies frame rate shown is recording frame rate
- Time-lapse movies frame rate shown is playback frame rate
- [25] Available in detailed information display only
- [26] Charging and powering the camera via USB is not supported
- [27] Operation of the RF 5.2mm dual fisheye lens, RF 85mm F1.2L USM DS and RF Extenders is not guaranteed
- [28] Control Ring mount adapter control ring will not operate
- [29] Accessories using the 21-pin multi-function shoe are not compatible
- [30] When using tripod grip HG-100TBR the total weight including camera, lens, microphone and other accessories should not exceed 1 kg
- [31] Based on CIPA guidelines, including battery and card

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What's in the box?

EOS R100 + RF-S 18 – 45mm IS STM

- EOS R100 Body
- Camera Cover R-F-5
- Neck Strap EM-200DB
- Battery Charger LC-E17E
- Battery Pack LP-E17
- Battery Pack Cover
- RF-S 18-45mm F4.5-6.3 IS STM
- Lens Cap E-49
- Lens Dust Cap RF
- Power Cord (EU)
- Printed Matter Unit (EU)
- Packing Unit

EOS R100 + RF-S 18 – 45mm IS STM + RF-S 55-210mm F5-7.1 IS STM

- EOS R100 Body
- Camera Cover R-F-5
- Neck Strap EM-200DB
- Battery Charger LC-E17E
- Battery Pack LP-E17
- Battery Pack Cover
- RF-S 18-45mm F4.5-6.3 IS STM
- Lens Cap E-49
- RF-S 55-210mm F5-7.1 IS STM
- Lens Cap E-55
- Lens Dust Cap RF x 2
- Power Cord (EU)
- Printed Matter Unit (EU)
- Packing Unit

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English edition
Canon Europa NV 2023