



EOS R
SYSTEM

BE THE REVOLUTION



REIMAGINE OPTICAL EXCELLENCE

Introducing the next evolution of EOS. It's a whole new system with a new, game-changing RF lens mount that delivers optical excellence today and incredible possibilities for future designs. The new full-frame mirrorless EOS R camera provides gorgeous results, with four RF lenses reimagining Canon optics and three optional Mount Adapters helping to ensure you can bring your EF and EF-S lenses along. Advanced features and compact designs, all in the brand-new EOS R system that's designed to take today's visual storytellers into tomorrow.

EOS R SYSTEM

54mm Diameter Mount and Short Back Focus Distance

The large diameter and decreased distance between the rear lens element and sensor enable a compelling combination of image quality, performance and compact lens design. The new RF mount retains the same, large 54mm diameter as the current Canon EF mount, but thanks to the EOS R camera's mirrorless structure, the rear lens element can be much closer to the image plane. This combination opens up a number of possibilities. The rear element of RF lenses can be larger in diameter, improving image quality at the corners and outer edges of the frame. Larger rear elements mean front elements can be smaller, meaning less strong refracting and bending of light rays within the lens, enhancing optical performance. Most importantly, the EOS R system opens the door to the future. It unlocks more freedom and flexibility in lens designs, allowing faster lenses with increased optical performance in more compact forms than before.



20mm Flange Focal Distance

The RF mount is mounted just 20mm from the image sensor. This provides flexibility for future lens designs and the durability needed for professional, real-world operation, even when using super telephoto lenses.

12 pin Data Transmission

A 12 pin connection between the camera and lens means communication at a higher speed with larger amounts of data transfer, enabling incredibly fast AF, high IS and image optimization. It's a system designed to expedite operations that's ready for future expansions.



EOS R CAMERA

30.3 Megapixel Full-frame CMOS Sensor and DIGIC 8 Image Processor

The EOS R camera features a 35mm full-frame CMOS sensor with approx. 30.3 effective megapixels for stunning results with incredible detail and clarity, even in low-light situations. It's powered by the DIGIC 8 Image Processor, which enables an expansive ISO range, enhances Image Stabilization and turbocharges operations across the board for outstanding image quality and impressive performance.



ISO 40000

5,655 Manually Selectable AF Points*

The EOS R camera's Dual Pixel CMOS AF system features a maximum of 5,655 manually selectable AF points* and can deliver fast and accurate focus within approximately 0.05** seconds. Its focus area covers approx. 88% horizontal and 100% vertical*** when using RF lenses and select EF lenses, helping to ensure swift and accurate focus no matter where your subject is located in the frame.

EV -6^ Low-light Autofocus

Operating in light as low as EV -6^, the EOS R camera's ultra-sensitive AF delivers amazing performance in remarkably dark areas.

Pristine Video up to 4K 10-bit 4:2:2

The EOS R camera records 4K up to 30 fps, or Full HD 1080p up to 60 fps. Focus with Dual Pixel CMOS Autofocus, or for manual focus, use aids like Focus Peaking or the Dual Pixel Focus Guide. Connecting with HDMI to an external recorder, high-quality 4K with Canon Log and recording at 10-bit and up to 4:2:2 are all possible.

Electronic Viewfinder with Approx. 3.69 Million Dots

The EOS R camera features a high-precision 0.5-inch OLED (Organic Light-Emitting Diode) EVF with approx. 3.69 million dots and a 23mm eyepoint, which helps to display a clear image and extensive shooting information.



Dot-matrix LCD Panel

An LCD panel on the top of the EOS R camera features a dot-matrix display that shows information in real-time on the camera's status, recording mode and more.



Vari-angle Touchscreen LCD

The EOS R camera has a flexible 3.15-inch Vari-angle LCD that makes it easy to compose and shoot from virtually any angle. Its touchscreen enables setting changes and more with just a tap.

Multi-function Bar

Positioned for convenient operation, the EOS R camera's new multi-function bar recognizes swipes and taps to change settings, check focus and more.

Fv Mode

With the EOS R camera's all-new Flexible-priority AE mode (Fv), you can easily set features such as shutter speed, aperture and ISO to respond automatically or manually for greater convenience and flexibility.

Silent Shutter

Ideal for wildlife, journalism and quiet situations, the EOS R camera has a silent shutter feature that uses an inaudible electronic shutter.

RF LENSES

Control Ring

All RF lenses feature a control ring that lets you assign features and quickly change settings without having to use the main dial or quick control dial on the camera body.



RF 28-70mm F2 L USM

Consistent f/2 Brightness throughout Zoom Range

The RF 28-70mm F2 L USM features a maximum aperture of f/2, offering unparalleled performance throughout its zoom range. With L series optics, it offers the flexibility and performance of a handful of fixed focal length lenses, delivering superlative performance from 28-70mm.



RF 50mm F1.2 L USM

Bright and Sharp f/1.2 Aperture

The RF 50mm F1.2 L USM lens delivers gorgeous images in a large variety of situations. Designed specifically for the EOS R system, its f/1.2 aperture means amazing performance in low light and gorgeous, detailed images with evocative background blur.



RF 24-105mm F4 L IS USM

Smooth and Quiet NANO USM

The RF 24-105mm F4 L IS USM is versatile with its broad zoom range and constant f/4 maximum aperture. It's the first L series lens to feature Canon's fast and speedy NANO USM, making it ideal for landscapes, portraits and much more.



RF 35mm F1.8 Macro IS STM

0.5x Magnification Ratio

Compact, lightweight and easy to carry, the RF 35mm F1.8 Macro IS STM lens offers amazing versatility in a wide-angle macro lens. It has a 0.5x magnification ratio and a close focusing distance of 0.56 ft./0.71m for excellent macro photography.



EOS R SYSTEM MOUNT ADAPTERS



Mount Adapter EF-EOS R

Lightweight and compact, the Mount Adapter EF-EOS R connects EF and EF-S lenses to the EOS R camera, exponentially expanding the list of compatible lenses.



Control Ring Mount Adapter EF-EOS R

The Control Ring Mount Adapter EF-EOS R allows use of EF and EF-S lenses, while adding a control ring similar to those found on RF lenses for customizable control with no compromise.



Drop-in Filter Mount Adapter EF-EOS R

The Drop-in Filter Mount Adapter EF-EOS R enables compatibility with EF and EF-S lenses and includes drop-in filter capability for use with circular polarizing filters or variable ND filters.



Battery Grip BG-E22

An optional accessory for the EOS R camera, the Battery Grip BG-E22 enables seamless vertical operation, helps maintain optimal lens balance and holds 2 LP-E6N battery packs to extend operation time.

SPECIFICATIONS

EOS R

Image Sensor		30.3MP Full-frame CMOS (36.0 x 24.0mm)
Image Processor		DIGIC 8
Lens Mount		Canon RF mount
Compatible Lenses		RF lenses (Compatible with EF & EF-S lenses when using optional Mount Adapter EF-EOS R)
Autofocus	Focus Control	Phase-difference detection system with image sensor (Dual Pixel CMOS AF)
	AF Area	Approx. 88% horizontal by 100% vertical (Area size varies according to compatible lens)
	Number of Focusing Points	Maximum 143 automatically selected Maximum 5,655 manually selectable* (When selected with cross keys)
	AF Working Range	EV -6 to 18 (f/1.2, at 73°F/23°C, ISO 100, One-Shot AF)
	AF Method	Face + Tracking AF, 1-point AF ^^, Expand AF area (above, below, left and right), Expand AF area (around), Zone AF, Large Zone AF (Vertical), Large Zone AF (Horizontal)
Maximum Frames Per Second		High-speed continuous shooting: Approx. 8.0 fps, With Servo AF: Approx. 5.0 fps (shooting speed priority)
Video Recording	Video File Format	MP4 (MPEG4 AVC/H.264 compression)
	Video Audio Format	ALL-I uses Linear PCM, IPB uses AAC through built-in stereo microphone or optional external microphone
	Video Recording	4K 3840 x 2160: 29.97fps/24.00fps/23.98fps Full HD 1920 x 1080: 59.94fps/29.97fps/24.00fps/23.98fps HD 1280 x 720: 119.9fps/59.94fps/29.97fps
Canon Log	Dynamic Range	Approx. 800%
	Canon Log Recording	4K/Full HD/HD YCbCr 4:2:0 BT.709 8-bit (Internal Memory) 4K/Full HD/HD YCbCr 4:2:2 BT.709 8-bit (HDMI Output) 4K YCbCr 4:2:2 BT.709/BT.2020 10-bit (HDMI Output)
Exposure Control	Metering Modes	Real-time metering
	Metering Range	EV -3 to 20 (at 73°F/23°C, ISO 100)
	Shooting Mode	Scene Intelligent Auto, Flexible-priority AE, Program AE, Shutter-priority AE, Aperture-priority AE, Manual Exposure, Bulb Exposure, Custom Shooting Modes
	ISO Speed	ISO 100 to 40000 (in 1/3-stop or whole-stop increments)
	ISO Expansion	L: 50, H1: 51200, H2: 102400
	Exposure Compensation	+3-stops in 1/3- or 1/2-stop increments
Recording Media	AE Lock	Auto, Manual
		SD/SDHC/SDXC Memory Cards
Shutter	Type	Electronically controlled focal-plane shutter (electronic first curtain, mechanical second curtain)
	Shutter Speed	1/8000–30 sec., bulb.
	Maximum Syn. Speed	X-sync at 1/200 sec.
Viewfinder	Type	OLED Electronic Viewfinder
	Screen Size	0.5-inch (approx. 1.27cm diagonal)
	Magnification	Approx. 0.76 magnification (with 50mm lens at infinity, -1m ⁻¹)
	Angle of View	Approx. 35.2° angle of view
	Resolution	Approx. 3.69 million dots
LCD Monitor	Type	TFT Color Clear View II LCD Touch Screen
	Screen Size	3.15-inch (approx. 3.15-inch diagonal)
	Resolution	Approx. 2.10 million dots
Wi-Fi* Connectivity		802.11b/g/n Compatible
Bluetooth Connectivity		Bluetooth® Version 4.1 compliant
Exterior	Dimension (W x H x D)	Approx. 5.35 x 3.87 x 3.32 in. / 135.8 x 98.3 x 84.4mm Approx. 5.35 x 3.87 x 2.67 in. / 135.8 x 98.3 x 67.7mm (from grip to monitor)
	Weight (CIPA)	23.28 oz. / 660g (including battery pack and card)

RF 28–70mm F2 L USM

Lens Type	Canon RF Lens
Focal Length & Maximum Aperture	28–70mm, f/2
Lens Construction	19 elements in 13 groups
Diagonal Angle of View	75°00' - 34°00'
Focus Adjustment	Ring USM
Minimum Focusing Distance	1.28 ft. / 0.39m
Aperture Blades	9 blades
Filter Size	95mm
Maximum Diameter & Length	4.09 x 5.50 in. / 103.8 x 139.8mm
Weight	Approx. 50.4 oz. / 1430g

RF 50mm F1.2 L USM

Lens Type	Canon RF Lens
Focal Length & Maximum Aperture	50mm, f/1.2
Lens Construction	15 elements in 9 groups
Diagonal Angle of View	46°00'
Focus Adjustment	Ring USM
Minimum Focusing Distance	1.31 ft. / 0.4m
Aperture Blades	10 blades
Filter Size	77mm
Maximum Diameter & Length	3.54 x 4.25 in. / 89.8 x 108.0mm
Weight	Approx. 33.5 oz. / 950g

RF 24–105mm F4 L IS USM

Lens Type	Canon RF Lens
Focal Length & Maximum Aperture	24–105mm, f/4
Lens Construction	18 elements in 14 groups
Diagonal Angle of View	84°00' - 23°20'
Focus Adjustment	NANO USM
Minimum Focusing Distance	1.48 ft. / 0.45m
Image Stabilization	Provided (Up to 5 stops with compatible camera)
Aperture Blades	9 blades
Filter Size	77mm
Maximum Diameter & Length	3.29 x 4.22 in. / 83.5 x 107.3mm
Weight	Approx. 24.7 oz. / 700g

RF 35mm F1.8 Macro IS STM

Lens Type	Canon RF Lens
Focal Length & Maximum Aperture	35mm, f/1.8
Lens Construction	11 elements in 9 groups
Diagonal Angle of View	63°00'
Focus Adjustment	Gear-type STM
Minimum Focusing Distance	0.56 ft. / 0.17m
Image Stabilization	Provided (Up to 5 stops with compatible camera)
Aperture Blades	9 blades
Filter Size	52mm
Maximum Diameter & Length	2.93 x 2.47 in. / 74.4 x 62.8mm
Weight	Approx. 10.8 oz. / 305g

* Available AF points may decrease when shooting with AF cropping or in movie mode, or depending on camera settings or lens attached.

** Based on the results of AF speed tests in accordance with CIPA guidelines. Results may vary depending on shooting conditions and lens in use. Relies on internal measurement method.

Test conditions:

- Brightness at time of distance measurement: EV12 (regular temperature, ISO 100) • Shooting mode: M
- Lens in use: RF 24–105mm F4 L IS USM, with a focal distance of 24mm • Live-view mode: On (with manual shutter button operation)
- AF mode: Live single-point AF (central) • AF operation: One-shot AF

*** When shooting still photos. Actual coverage varies depending on the lens in use.

^^ When using RF 50mm F1.2 L USM, with central AF point.

^^ [AF frame size] can be set to [Small].

Certain images and effects simulated. Products not shown to scale. All data is based on Canon's Standard Test Method. Specifications and availability are subject to change without notice. Weight and dimensions are approximate. Not responsible for typographical errors.

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0214W306 09/18
PRINTED IN U.S.A.