

EOS R5 Mark II

TECHNICAL SPECIFICATIONS



Canon

EOS R5 Mark II



Master the moment

BACK-ILLUMINATED STACKED CMOS SENSOR

A new approx. 45mp full frame back-illuminated stacked CMOS sensor delivers faster readout speeds for reduced rolling shutter distortion and better image quality with less noise compared to front illuminated sensors.



NEXT GENERATION AUTOFOCUS

Track moving subjects with precision and ease like never before. Deep learning algorithms are applied for a range of subjects and Register People Priority mode allows you to register and prioritise people to ensure your primary subject is the focus of attention.



CINEMA EOS COMPATIBILITY

Shoot at up to 8K 60p RAW Light video with a range of Cinema EOS level options such as Custom Picture, Canon Log 2, Canon Log 3 and proxy recording. The EOS R5 Mark II provides professional level movie capabilities for users who require premium quality.



CAPTURE RARE & FLEETING MOMENTS

The EOS R5 Mark II shoots RAW bursts of up to 30 frames per second with 0.5 second pre-continuous shooting, helping you capture the decisive moment in sharp focus even before you've pressed the button. Capture scenes from 3 or 5 seconds before recording in video.



RF LENSES FOR GREATER POSSIBILITIES

RF lenses enable richly expressive, high-quality imaging. The high-speed communication capabilities of the RF mount makes operation intuitive and stress-free. Co-ordinated control of camera and lens IS via RF mount communication achieves powerful image stabilisation.



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EOS R5 Mark II | FEATURES

IN-CAMERA IMAGE UPSCALING

Upscale JPEG or HEIF images post shooting to approx. 179MP. Combine with in-camera cropping to isolate subjects. More resolution on hand when you need it.



EYE CONTROL AF

Sensors in the electronic viewfinder track the movement of the photographers' eye which enables the user to quickly change tracking to a different subject



LP-E6P BATTERY

New high-powered battery extends shooting times and powers many new features which have high processing power requirements



CANON LOG 2 & CANON LOG 3

Canon Log 2 & Canon Log 3 are included to ensure a wide dynamic range. Canon Log 2 enables shooting with dynamic range of up to 16 stops



4K 120p RECORDING

Supports up to Full HD 240P and 4K 120P recording. This lets users capture scenes with fast movement, such as sports and concerts.



OPTIONAL COOLING FAN

Cooling fan CF-R20EP (sold separately) can be attached to the EOS R5 Mark II to enable longer shooting times when filming in high quality 8K and 4K movie modes.



NEURAL NETWORK NOISE REDUCTION

Applies deep learning to generate images with reduced noise when processing RAW images in camera, without the need for external computer or software. This can be combined with in-camera image upscaling to produce an image with less noise and higher resolution.



IN-BODY IMAGE STABILISATION

Co-ordinated Control Image Stabilization is now improved to 8.5 stops at centre and 7.5 stops at peripheral*1*2



*1: Based on the CIPA 2024 standard. Yaw/Pitch/Roll image stabilization performance, when using RF24-105mm F2.8 L IS USM Z (f=105mm)

*2: For supported lenses, please see "Supplemental Information" for EOS R5 Mark II on the website "cam.start.canon "

EOS R5 Mark II | SPECIFICATIONS

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Type	Lens mount		RF mount	
	Image processor		DIGIC Accelerator, DIGIC X	
	Compatible lenses		RF/RF-S lenses (EF/EF-S lenses with EF-EOS R)	
Image sensor	Screen size		Full frame	
	Effective pixels (max. approx. megapixels)		Approx 45mp	
	Back-illuminated stacked		Yes	
Recording media	Card slot	Dual slots	Card 1 Card 2	
	Record function + card/folder selection		Card 1: Main, Card 2: Proxy Yes	
	Image quality		JPEG/HEIF RAW/C-RAW Dual Pixel RAW	
Still photo recording	JPEG/HEIF image quality		10 levels for each image size	
	Max. burst for continuous shooting (approx.)*1	Mechanical shutter / electronic 1st-curtain	JPEG Large*2 RAW	
		Electronic shutter	JPEG Large*2 RAW	
	Format		XF-HEVC S / XF-AVC S	
	Recording format	RAW	Yes	
HEVC		YCC422 10 bit / YCC420 10 bit		
AVC		YCC422 10 bit / YCC420 8 bit		
Movie recording size	Resolution		RAW / SRAW / 8K-D / 8K-U / 4K-D / 4K-U / 2K-D / Full HD	
	Frame rate (fps)		236.76 / 200.00 / 119.88 / 100.00 / 59.94 / 50.00 / 29.97 / 25.00 / 24.00 / 23.98	
	RAW format		Standard RAW / Light RAW	
	Compression method		High Quality Intra / Standard Intra / Light Intra / Standard LGOP / Light LGOP	
	Image quality		Fine / Normal	
Movie recording	High Frame Rate movies	With audio / without audio	Yes / Yes	
	Movie cropping		Yes	
	HDR movies		Yes (HDR movie mode)	
	Time-lapse movies		Yes	
	Custom Picture		Yes	
	Audio format		LPCM / 24bit / 4CH, ACC / 16bit / 2CH	
	Built-in microphone		Monaural	
	Pre-recording		Yes	
	Tally lamp		Yes	
	Cooling fan setting		Yes	
	Max. recording time per recording	Normal movies	6 hr. (59.94 fps or less)	
	HDMI RAW output		Yes	
	Dual shooting (still & movie)		Yes	
	Image creation/processing	Picture Style		Yes
		Clarity		Yes
		Auto Lighting Optimizer		Yes
		Highlight tone priority		Yes
Long exposure noise reduction		Yes		
High ISO speed noise reduction		Yes		
Lens aberration correction (still photos/movies)		Yes		
Focus breathing correction (movies)		Yes		

*1: When using a 325 GB CFexpress card conforming to Canon testing standards.

* 2: JPEG Image quality 8

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AF	Focusing brightness range (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	Still photos	EV -6.5 to 21
		8K 30p	EV -4.5 to 21 (with 29.97 / 25.00 fps)
		4K 30p	EV -3.5 to 21 (with 29.97 / 25.00 fps)
		Full HD 30p	EV -4 to 21 (with 29.97 / 25.00 fps)
	AF operation	One-Shot AF	Yes
		AI Focus AF	Yes
		Servo AF / Movie Servo AF	Yes / Yes
	No. of AF area zones available for automatic selection (max. zones)		1053
	AF area (AF method)	Face + Tracking	–
		Spot AF / 1-point AF	Yes
		Expand AF area	Yes
		Zone AF / Large Zone AF	–
		Flexible Zone AF	Yes
		Whole area AF	Yes
	Whole area tracking Off		Yes
	Servo AF characteristics (still photos)		Case Auto / Manual
	Subject to detect	Auto	Yes
People / Animals / Vehicles		Yes	
Eye detection	Auto	Yes	
	Right eye / Left eye	Yes	
Register people priority		Yes	
Action priority		Yes	
Eye Control AF	Line-of-sight detection sensor (approx. pixels)		307,000
Viewfinder	Type		Electric viewfinder
	Screen size		0.5 inch
	Dot count (approx. dots)		5,760,000
	Magnification (approx. ×) (lens at infinity, -1 dpt)		0.76
	Coverage (approx. %)		100
	Eyepoint (approx. mm) (at -1 m ⁻¹ from eyepiece lens end)		24
	Dioptric adjustment (approx. dpt)		-4.0 to +2.0
Viewfinder brightness		6 levels	
Screen	Screen size		3.2 inch
	Dot count (approx. dots)		2,100,000
	Screen brightness		7 levels
	Vari-angle		Yes
Display settings	Display simulation		Yes
	Optical viewfinder simulation (View assist)		Yes
	Waveform monitor setting (movies)		Yes
HDMI output	HDMI resolution		Auto / 1080p / 1080i
Shooting mode	Still photo shooting		A+ / Fv / P / Av / M / Tv / BULB / C1 / C2 / C3
	Movie recording		A+ / P / Av / M / Tv / C1 / C2 / C3
Exposure control	No. of metering sensor zones (still photos)		6144 zones (96×64)
	Metering brightness range (at room temperature, ISO 100)	Still photos	EV -3 to 20
		Movies	EV -1 to 20
	Anti-flicker shooting		Yes
	High-frequency anti-flicker shooting		Yes
	False color (movies)		Yes
	ISO speed (still photos)	Normal speed	100 to 51200
		Expanded speed (max. ISO equivalent)	L: 50, H: 102400
ISO speed (movies)	Normal speed	100 to 25600 (Custom Picture: Off)	
	Expanded speed (max. ISO equivalent)	H: 51200 (Custom Picture: Off)	

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Shutter	Shutter speed (sec.) (still photos)	Mechanical shutter / electronic 1st-curtain	1/8000 to 30
		Electronic shutter	1/32000 to 30
	Max. shutter speed (sec.) (movies)	Electronic shutter	1/8000
		Mechanical shutter	1/200
	Flash sync speed (sec.)	Electronic 1st-curtain	1/250
		Electronic shutter	1/160
	Sync speed priority		Yes
	Durability (with mechanical shutter)		500,000 cycles
Silent shutter function		Yes	
Other shooting modes	Multiple-exposure shooting		Yes
	Saving multiple-exposure image		JPEG Large
	HDR shooting PQ (Still photos / movies)		Yes / Yes
	Focus bracketing		Yes
Image stabilisation function	Camera in-body IS		Yes
	Coordinated control		Yes
	IS effectiveness, in number of stops (still photos)		Center: 8.5 stops, Periphery: 7.5 stops * Yaw, pitch, and roll correction performance, as based on CIPA2024 standards * RF24-105mm F2.8 L IS USM Z (coordinated control), f=105 mm
	Movie digital IS		Yes
	Peripheral coordinated control		Yes
Continuous Shooting	Continuous shooting speed (high-speed continuous shooting +, max. approx. shots/sec.)	Mechanical shutter	12
		Electronic 1st-curtain	12
		Electronic shutter	30
	Pre-continuous shooting		Yes
Blackout-free display		Yes	
Playback	Blur / out-of-focus image detection		Yes
	VR preview		Yes
Image processing after shooting	RAW image processing		Yes
	Neural network Noise Reduction		Yes
	Dual Pixel RAW processing		–
	In-camera upscaling		Yes
Customized controls	Customize buttons for shooting/playback		Yes / Yes
	Customize dials/control ring		Yes
External interface	Digital terminal		USB Type-C
	HDMI output terminal		Type A
	External microphone input terminal		Yes
	Headphone terminal		Yes
	Multi-function shoe		Yes
Power source	Battery		LP-E6P
	USB power source support	Charging / camera power supply	Yes / Yes
	AC power source		PD-E2 + DR-E6P
	Available shots*3 (with power saving, approx. shots at +23°C / 73°F)	Viewfinder	
Screen			630
Dimensions and weight	Dimensions (approx. width × height × depth)*3		138.5×101.2×93.5 mm
	Weight (approx. including battery and CFexpress card)*3		746 g
VR	Support for RF5.2mm F2.8 L DUAL FISHEYE		Yes
Communication functions	Wi-Fi (wireless LAN)	Wi-Fi	Equivalent to IEEE 802.11b/g/n/a/ac/ax
		MIMO	Yes
		Transmission frequency (Center frequency)	2.4 GHz / 5 GHz / 6 GHz
	Bluetooth		Bluetooth Specification Version 5.3
	USB		Equivalent to USB 10 Gbps (SuperSpeed Plus USB / USB 3.2 Gen 2)
	Access point auto switch		Yes
	Automatic switching of communications settings		Yes
	FTP transfer (wireless LAN / wired LAN)		Yes
Live streaming services (wireless LAN)		Yes	
Video calls / live streaming (USB connection)		Yes	
Dust and weather sealing			Yes

*3: Based on CIPA standards/guidelines.

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