

EOS R6 Mark II

TECHNICAL SPECIFICATIONS



Canon

EOS R6 Mark II

The evolution



HIGH PERFORMANCE PHOTO AND VIDEO

Join the evolution into high performance photo and video. The EOS R6 Mark II incorporates high quality 24.2 megapixel images, fast shooting speeds of up to 40 frames per second (fps)*, advanced subject tracking, as well as up to 4K 60p (6K oversampling) video.



EQUIPPED WITH FEATURES MADE FOR MOVIES

With a wide selection of recording formats ranging from 4K 60p, Full HD 180p as well as RAW movie when recording to an external storage device, have ample flexibility when editing your videos. Never miss a critical moment with up to 5 seconds pre-recording before pressing the record button and improved continuous recording times of up to 6 hours.



VIDEO CONFERENCING AND LIVESTREAMING MADE EASY

Run high-quality video conferences, livestreams or live movie releases via the web, by simply connecting the EOS R6 Mark II to a computer via USB. There's no need for any additional drivers to be downloaded.



FREEZE THE ACTION

Shoot decisive moments with high speed and no shutter noise with up to 40fps* with the electronic shutter. Particularly handy for situations where you want to stay quiet and unnoticed such as photographing wildlife, theatre or sports. Equipped with a pre-shooting mode, never miss a moment with its activation up to 0.5 second earlier than the shutter release.



*If flicker is detected, continuous shooting will slow down even when anti-flicker shooting is turned off.

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STEADY SHOTS HAND-HELD OR IN LOW LIGHT

The EOS R6 Mark II is equipped with 5.0-axis In Body Image Stabilization, which in conjunction with selected RF lenses, can achieve up to 8.0 stops of Image Stabilization. Shoot handheld in dim light or while using slower shutter speeds without the need of a tripod. With an maximum ISO of 102400 for stills and 25600 for movies, the EOS R6 Mark II has incredible low light shooting capabilities, with low noise and high image quality.



ADVANCED SUBJECT TRACKING

The EOS R6 Mark II supports tracking for a wide range of subjects, including humans, animals (dog, cat, bird, horse) and vehicles (car, motorcycle, train, aeroplane) . It automatically responds to dynamically changing scenes, and can track subjects over the entire frame. The high performance subject tracking gives you the freedom to focus on composition.



EOS R6 Mark II | ADDITIONAL FEATURES

NEW GENERATION MULTI-FUNCTION SHOE

Enhance communication with the new generation multi-function shoe compatible with accessories such as the Speedlite EL-5 and Directional Stereo Microphone DM-E1D.



PHOTO/MOVIE SWITCHING LEVER

Quickly switch between photo and movie modes with a new dedicated lever.



PANORAMIC PHOTO MODE

Fit more into your photo with panoramic mode. The panning direction can be set horizontally or vertically for high-rise buildings.



DUAL CARD SLOTS

Increase storage capacity or simultaneously record with Dual SD card slots.



NEW HDR MODE [MOVING SUBJECT]

Reproduce tone with a wide dynamic range even in situations with a large gap in brightness with moving subjects.



SCN MODE: HDR BACKLIGHT CONTROL

Capture high-quality images with wide dynamic range even when shooting backlit scenes.



ANTI-FLICKER SHOOTING

Effectively suppress the flicker in photos and videos often caused by LED lights.



CREATIVE FILTERS

Give your videos a creative touch without the need to edit. Select from Dream, Old Movies, Memory, Dramatic Black & White and Miniature Effect filters.



EOS R6 Mark II | SPECIFICATIONS

TYPE			
Lens mount			RF mount
Image processor			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)			24.2
RECORDING MEDIA			
Card slot	Dual slots	Card 1	SDXC / SDHC / SD (UHS-II compatible)
		Card 2	SDXC / SDHC / SD (UHS-II compatible)
Record function+card/folder selection	Auto switch card		Yes
	Recording separately		Yes
	Recording to multiple cards		Yes
STILL PHOTO RECORDING			
Image quality			JPEG / HEIF / RAW / C-RAW / Dual Pixel RAW
Digital tele-converter			Yes
Maximum burst (approx.) [†]	Mechanical shutter / Electronic 1st curtain	JPEG Large/Fine	1,000 or more
		RAW	111
	Electronic shutter	JPEG Large/Fine	1,000 or more
		RAW	75
MOVIE RECORDING			
MP4 recording			Yes
Movie recording size	4K UHD (Fine)		Yes (6K→4K) (60p) (oversampling)
	Full HD		Yes
Movie cropping	4K UHD		Yes (60p)
	Full HD		Yes (60p)
Video compression format	ALL-I		Yes (for time-lapse movies)
	IPB (Standard) / IPB (Light)		Yes
High Frame Rate movies	Full HD (180p)		Yes
	Full HD (120p)		Yes
Canon Log	Canon Log 3		Yes
HDR PQ			Yes
HDR movies			Yes
Time-lapse movies	4K		Yes
	Full HD		Yes
	Retention of settings in case of auto power off before recording		Yes
HDMI RAW output for movie footage			Yes
	Simultaneous proxy movie recording		Yes
HDMI output for movie footage			Yes
Pre-recording			Yes
Built-in microphone	Stereo		Yes
	Audio noise reduction		Yes
Headphones	Audio monitoring		Yes
Digital zoom			Yes
Maximum recording time per recording	Normal movies		6 hr.
	High Frame Rate	180p	1 hr.
		120p	1 hr. 30 min.
Overheat control (in movie recording)			Yes

EOS R6 Mark II | SPECIFICATIONS (Continued)

WHITE BALANCE			
Shoot to set white balance			Yes
White balance adjustment during movie recording			Yes
IMAGE CREATION AND IMAGE 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
AUTOFOCUS			
AF operation	One-Shot AF		Yes
	AI Focus AF (still photos)		Yes
	Servo AF / Movie Servo AF		Yes
AF area (AF method)	Spot AF		Yes
	1-point AF		Yes
	Expand AF area: Above, below, left, right		Yes
	Expand AF area: Around		Yes
	Flexible Zone AF 1 / 2 / 3		Yes
	Whole area AF		Yes
Focusing area ^{2&3}	Full-frame	mode 100 ⁴	Horizontal: approx. 100%, Vertical: approx. 100%
		mode 90	Horizontal: approx. 90%, Vertical: approx. 100%
		mode 80	Horizontal: approx. 80%, Vertical: approx. 80%
		mode 40	Horizontal: approx. 40%, Vertical: approx. 60%
	1.6× (cropped) (APS-C)	mode 60	Horizontal: approx. 80%, Vertical: approx. 80%
		mode 40	Horizontal: approx. 64%, Vertical: approx. 80%
No. of AF areas available for auto selection (max. zones)			1053
Focusing brightness range * Except RF lenses with a Defocus Smoothing (DS) coating	Still photos (centre AF point, One-Shot AF, at room temperature, ISO 100)		EV -6.5 to 21 (using an f/1.2 lens)
	Movies (4K, centre AF point, One-Shot AF, at room temperature, ISO 100, and 29.97 fps)		EV -4.0 to 21 (using an f/1.2 lens)
	Movies (Full HD, centre AF point, One-Shot AF, at room temperature, ISO 100, and 29.97 fps)		EV -4.5 to 21 (using an f/1.2 lens)
Subject detection	Auto		Yes
	People		Yes
	Animals		Dogs / Cats / Birds / Horses
	Vehicles		Motorsports cars / Motorcycles / Aircraft ⁵ / Trains ⁶
	None		Yes
Limit subject to detect			Yes

EOS R6 Mark II | SPECIFICATIONS (Continued)

Eye detection		Yes (Auto)
	Right eye	Yes
	Left eye	Yes
Left/right eye detection		Yes
Whole area tracking Servo AF		Yes
Movie Servo AF setting	Available AF area modes	Whole area AF mode
	Subject detection AF: Prioritize detection	Yes
	Subject detection AF: Restrict detection	Yes
Servo AF characteristics (in still photo shooting)		Yes
Orientation-linked AF point	Area+pt / Pt only	Yes / Yes
Touch & drag AF settings		Yes
	Relative sensitivity	Yes
Electronic full-time MF		Yes
VIEWFINDER		
Type		Electronic (EVF)
Screen size		0.5 inch
Dot count (approx.)		3.69 million dots
Electronic viewfinder refresh rate (max. fps)		119.88
Coverage (approx. %)		100
Magnification (approx. ×; lens at ∞, −1 dpt)		0.76
Eyepoint (approx. mm)		23
Dioptic adjustment (approx. dpt)		−4.0 to +2.0
Brightness adjustment		Yes
Colour tone adjustment		Yes
Fine-tuning colour tone		Yes
Display fading/black-out		Yes
SCREEN		
Dot count (approx.)		162
Screen size		3.0 inch
Brightness adjustment		Yes
Colour tone adjustment		Yes
Angle adjustment		Vari-angle
Touch-based menu magnification		Yes
DISPLAY SETTINGS		
Display simulation		Yes
Optical viewfinder simulation (view assist)		Yes
Focal length display / SA variable amount		Yes
Recording emphasis		Yes
Aspect marker		Yes
SHOOTING MODE		
Still photo shooting mode		A+ / Hybrid Auto / Special scene mode / Creative filters / Fv / P / Tv / Av / M / B / C1 / C2 / C3
Movie recording mode		A+ / Special scene mode (HDR movie) / Creative filters / P / Tv / Av / M / C1 / C2 / C3
EXPOSURE CONTROL		
ISO speed (still photos)	Normal	100 to 102400
	ISO expansion (max. ISO equivalent)	L: 50, H: 204800
ISO speed (normal movies)	Normal	100 to 25600
	Expansion for faster speeds (max. ISO equivalent)	H: 204800
Metering brightness range	Still photos (at room temperature, ISO 100)	EV −3 to 20
	Movies (at room temperature, ISO 100)	EV −1 to 20
Preset ISO speed (in still photo shooting/movie recording)		Yes
Anti-flicker shooting (in still photo shooting)		Yes
HF anti-flicker shooting (in still photo shooting/movie recording)		Yes
False colour (in movie recording)		Yes
Zebra display (in movie recording)		Yes

EOS R6 Mark II | SPECIFICATIONS (Continued)

SHUTTER			
Shutter mode	Mechanical shutter		Yes
	Electronic 1st curtain		Yes
	Electronic shutter		Yes
Shutter speed (sec.)	Mechanical shutter		1/8000–30
	Electronic 1st curtain		1/8000–30
	Electronic shutter		1/16000–30
X-sync speed (sec.)	Mechanical shutter		X-sync at 1/200 sec.
	Electronic 1st curtain		X-sync at 1/250 sec.
Durability			400,000 cycles (with mechanical shutter)
Silent shutter function			Yes
Shutter at shutdown			Closed / Open
MULTIPLE-EXPOSURE SHOOTING			
Multiple-exposure shooting			Yes
Images to layer			JPEG (Large Fine, Large Normal)
HDR SHOOTING			
HDR mode (still photos)	Dynamic range		Yes
	Moving subjects		Yes
	Setting simultaneously with HDR PQ		Yes
FOCUS BRACKETING			
Focus bracketing			Yes
In-camera depth compositing / Cropped depth compositing			Yes
RAW BURST			
RAW burst mode			Yes
IMAGE STABILIZATION (IS MODE)			
Compatible with lens optical IS			Yes
Camera in-body IS			Yes
Coordinated control			Yes
IS effectiveness, in number of stops (still photos, in yaw/pitch directions, based on CIPA standards)			Up to 8.0 stops * RF24-105mm F4 L IS USM, f=105 mm
Movie digital IS			Yes
DRIVE			
Operating modes			Yes
Continuous shooting speed (max. approx. shots/sec.)	High-speed continuous shooting +	Mechanical shutter	12
		Electronic 1st curtain	
		Electronic shutter	
	High-speed continuous shooting	Mechanical shutter	5.5
		Electronic 1st curtain	7.0
		Electronic shutter	20
	Low-speed continuous shooting	Mechanical shutter	3.0
		Electronic 1st curtain	3.0
		Electronic shutter	5.0
High-speed display			Yes
TIMER SHOOTING			
Bulb timer			Yes
Interval timer			Yes
Movie self-timer			Yes
FLASH			
External flash	E-TTL balance		Yes
	Evaluative (Face Priority)		Yes
	Continuous flash control		Yes
	Continuous shooting priority mode (CSP)		Yes
	Speedlite menu direct button		Yes
	Quick flash group control		Yes

EOS R6 Mark II | SPECIFICATIONS (Continued)

PLAYBACK		
View from last seen		Yes
Image jump with RATE+Quick control dial		Yes
Erasure of all continuous images		Yes
IMAGE PROCESSING AFTER SHOOTING		
RAW image processing		Yes
Cloud RAW image processing		Yes
RAW image processing of RAW burst images		Yes
Dual Pixel RAW processing		Yes
HEIF→JPEG conversion		Yes
Batch conversion		Yes
Playback creative filters		Yes
Creative Assist		Yes
Frame grab from 4K movies		Yes
QUICK CONTROL FUNCTION		
Feature guide		Yes
Quick Control screen	Conventional setting screen	Yes
	Cinema EOS-style setting screen	Yes
PRINTING		
Print order (DPOF)		Yes
Photobook Set-up		Yes
Direct image transfer		Yes
CUSTOMISATION		
Quick Control customisation		Yes
Button/dial customisation		Yes
APPEARANCE AND CAMERA CONTROLS		
Still photo shooting/movie recording switch		Yes
Multi-function lock		Yes
Multi-function button		Yes
Multi-controller		Yes
Main dial		Yes
Quick control dial 1		Yes
Quick control dial 2		Yes
EXTERNAL INTERFACE		
Digital terminal		USB Type-C
HDMI output terminal		Type D
External microphone input terminal		Yes
Headphone terminal		Yes
Remote control terminal		E3
Multi-function shoe		Yes
POWER SOURCE		
Battery pack		LP-E6NH / LP-E6N / LP-E6
Battery information		Yes
USB power support	Charging	Yes
	Powering the camera	(LP-E6 cannot be charged)
AC power source		Yes
Number of available shots (approx., with power saving, at 23°C/73°F)	Viewfinder	450 ⁷
	Screen	760 ⁷
Power saving		Yes
Screen dimmer		Yes
Overheating warning		Yes

EOS R6 Mark II | SPECIFICATIONS (Continued)

COMMUNICATION FUNCTIONS		
Standards	Bluetooth	Ver. 5.0
	USB	SuperSpeed Plus USB (USB 3.2 Gen 2) equivalent
	Built-in Wi-Fi (wireless LAN)	IEEE 802.11ac / a / b / g / n equivalent
WPA3-Personal support		Yes
WPA/WPA2-Enterprise support (IEEE 802.1X authentication protocol support)		Yes
Remote control shooting with BR-E1 (Bluetooth connection)		Yes
	Support in all drive modes	Yes
	Start/stop movie recording during still photo shooting	Yes
	Reduce / magnify with Movie digital zoom	Yes
Video calls/streaming (USB connection)		Yes
FTP transfer (wireless LAN connection)		Yes
EOS Utility (wireless LAN/USB connection)		Yes
MFT (wireless LAN/USB connection)		Yes
Camera Connect (USB)	USB connection	Yes
	Wireless LAN connection	Yes
	Saving firmware upgrade files to a card	Yes
image.canon / Canon Photo Upload Service (wireless LAN connection)		Yes
DUST- AND WATER-RESISTANT CONSTRUCTION		
Dust- and water-resistant construction		Yes (performance equivalent to EOS R6)
DIMENSIONS AND WEIGHT		
Dimensions (approx. width×height×depth, based on CIPA standards)		138.4 x 98.4 x 88.4mm
Weight (approx. including battery and card 1)		670g

¹ Using high-speed cards. Continuous shooting speed may be slower depending on factors such as measurement conditions and camera settings.

² The focusing area varies depending on the lens attached.

³ Focusing area “modes” are only used internally and should not be included in published materials.

⁴ Only with a mode 90 lens attached and the camera set to Whole area AF, or with subject detection if Whole area AF is not set. May not be possible to move AF points to the edge of the focusing area under some scene and subject conditions.

⁵ Jet planes and helicopters.

⁶ Bullet trains, limited express trains, conventional lines, and steam trains.

⁷ Based on CIPA standards.



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