

EOS R6

TRUE SPEED.

TRUE

MIRRORLESS.

Whatever you shoot, however you shoot it, the EOS R6 will have you falling in love with photography all over again. Its blistering speed, low-light sensitivity, up to 8-stop image stabilisation and 4K 60p video will allow you to capture the moment and add a new dimension to your visual story telling.



- Faster than fast, in silence
- The ultimate content creation machine
- The image quality your creativity deserves
- Intelligent focusing for the ultimate sharpness
- A camera you can connect with



Up to
20
Frames Per Sec



Dual Pixel CMOS **AF II**



Vari angle LCD

IN-BODY IMAGE STABILIZER x OPTICAL IMAGE STABILIZER



ISO **102400**

PRODUCT RANGE



EOS R5



EOS R6



EOS R

EOS R5
EOS R6
EOS R
EOS Ra
EOS RP



TECHNICAL SPECIFICATIONS

EOS R6

IMAGE SENSOR

Type	35.9 x 23.9 mm CMOS
Effective Pixels	Approx. 20.1 megapixels
Total Pixels	Approx. 21.4 megapixels
Aspect Ratio	3:2
Low-Pass Filter	Built-in/Fixed
Sensor Cleaning	EOS integrated cleaning system
Colour Filter Type	Primary Colour
Sensor shift-IS	Yes, up to 8-Stops ^[1]

IMAGE PROCESSOR

Type	DIGIC X
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LENS

Lens Mount	RF (EF and EF-S lenses can be attached using: Mount Adapter EF-EOS R Control Ring Mount Adapter EF-EOS R Drop-In Filter Mount Adapter EF-EOS R) EF-M lenses are not compatible
Focal Length	Equivalent to 1.0x the focal length of the lens with RF and EF lenses 1.6x with EF-S

FOCUSING

Type	Dual Pixel CMOS AF
AF System/Points	100% horizontal and 100% vertical with Face + Tracking and Auto Selection modes 100% horizontal and 90% vertical with manual selection and large zone modes ^[2]
AF working range	EV -6.5 – 20 (at 23°C & ISO100) ^[3]
AF Modes	One Shot Servo AF AI Focus AF (in A+ Scene Intelligent Auto mode)

AF Point Selection

AF Point Selection	Automatic selection: Face + tracking. 1053 Available AF areas when automatically selected Manual selection: 1-point AF (AF frame size can be changed) 6072 (stills)/ (4968) movie AF positions available Manual selection: AF point Expansion 4 points (up, down, left, right) Manual selection: AF point Expansion surrounding points Manual selection: Zone AF (all AF points divided into 9 focusing zones) Manual selection: Large Zone AF (Vertical) Manual selection: Large Zone AF (Horizontal)
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AF Lock

AF Lock	Locked when shutter button is pressed halfway or AF ON is pressed in One Shot AF mode. Using customised button set to AF stop in AI servo
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AF Assist Beam

AF Assist Beam	Emitted by built in LED or optional dedicated Speedlite (flash)
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Manual Focus

Manual Focus	Selected on lens
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EXPOSURE CONTROL

Metering modes	Real-time with image sensor, 384-zone metering. (1) Evaluative metering (linked to All AF points) (2) Partial metering (approx. 5.8% of viewfinder at centre) (3) Spot metering: Centre spot metering (approx. 2.9% viewfinder at centre) AF point-linked spot metering not provided (4) Centre weighted average metering
Metering Brightness Range	EV -3 – 20 (at 23°C, ISO100, with evaluative metering)
AE Lock	Auto: AE lock takes effect when focus is achieved Manual: By AE lock button in P, Av, Fv, Tv and M modes
Exposure Compensation	+/-3 EV in 1/3 or 1/2 stop increments (can be combined with AEB).
AEB	+/-3 EV in 1/3 or 1/2 stop increments
Anti-flicker shooting	Yes. Flicker detected at a frequency of 100 Hz or 120 Hz. Maximum continuous shooting speed may decrease
ISO Sensitivity ^[4]	Auto 100-102400 (in 1/3-stop or 1 stop increments) ISO can be expanded to L:50, H:204,800

SHUTTER

Type	Electronically-controlled focal-plane shutter and Electronic shutter function on sensor
Speed	30-1/8000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
Shutter Release	Soft touch electromagnetic release

WHITE BALANCE

Type	Auto white balance with the imaging sensor
Settings	AWB (Ambience priority/White priority), Daylight, Shade, Cloudy, Tungsten light, White Fluorescent light, Flash, Custom, Colour Temperature Setting White balance compensation: 1. Blue/Amber +/-10 2. Magenta/Green +/-10 Yes, 1 setting can be registered +/-3 levels in single level increments 3, 2, 5 or 7 bracketed images per shutter release Selectable Blue/Amber bias or Magenta/Green bias
Custom White Balance WB Bracketing	

VIEWFINDER

Type	0.5-inch OLED colour EVF
Dot count	3.69 Million dots
Coverage (Vertical/Horizontal)	Approx. 100%
Magnification	Approx. 0.76x ^[5]
Eye point	Approx. 23mm (from eyepiece lens centre)
Dioptr. Correction	-4 to +2 m-1 (dioptr.)
Viewfinder Information	Shutter speed, Aperture, ISO speed, AF point information, Exposure level indicator, Number of remaining exposures, Exposure compensation, Battery level, Electronic shutter, HDR shooting, Highlight tone priority, Multiple-exposure shooting, Self-timer shooting mode, Maximum burst, AF method, Exposure simulation, Drive mode, AEB, Metering mode, FEB, Anti-flicker shooting, Still/video cropping, Shooting mode, Aspect ratio, Scene icons Auto Lighting Optimizer, AE lock Picture Style, Flash-ready, White balance, FE lock, Image Quality, High-speed sync, Bluetooth function, Wi-Fi on/off, Histogram, Electronic level, Focus distance scale in manual focus, IS system, Audio Level – Manual (video), recording time remaining (video), headphone level (video), Video recording resolution frame rate and compression (video) Rec indicator (video)

Depth of field preview Eyepiece shutter

Depth of field preview Eyepiece shutter	Yes, via customised button N/A
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LCD MONITOR

Type	7.5cm (3.0") Clear View LCD II, approx. 1.62 million dots
Coverage	Approx. 100%
Viewing Angle horizontally/vertically	Approx. 170° vertically and horizontally
Coating	Anti-smudge.
Brightness Adjustment	Manual: Adjustable to one of seven levels Colour Tone Adjustment: 4 settings

Touch-screen operations

Touch-screen operations	Capacitive method with menu functions, Quick Control settings, playback operations, and magnified display. AF point selection in still and Movies, touch shutter is possible in still photo shooting.
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Display Options

Display Options	(1) Basic Camera settings (2) Advance Camera settings (3) Camera settings plus histogram and dual level display (4) No info (5) Quick Control Screen
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TECHNICAL SPECIFICATIONS

EOS R6

FLASH			
Modes	E-TTL II Auto Flash, Metered Manual	File naming	2 User presets
X-sync	1/200sec mechanical shutter / 1/250th electronic 1st curtain	EOS MOVIE	
Flash Exposure Compensation	+/- 3EV in 1/3 or 1/2 stop increments with EX series Speedlite flashes	Movie Type	MP4 Video: 4K UHD, Full HD (16:9) ^{[8] [9]}
Flash Exposure Bracketing	Yes, with compatible External Flash	Movie Size	4K UHD (16:9) 3840 x 2160 (59.94, 50, 29.97, 25, 23.98fps) inter frame (IPB)
Flash Exposure Lock	Yes		4K UHD Timelapse (16:9) 3840 x 2160 (29.97, 25fps) intra frame (All-I)
Second Curtain Synchronisation	Yes via Speedlite		Full HD (16:9) 1920 x 1080 (119.88, 100, 59.94, 50, 29.97, 25, 23.98fps) inter frame (IPB) ^[10]
Hot Shoe/PC terminal	Yes/No		Full HD (16:9) 1920 x 1080 (29.97, 25fps) light inter frame, (IPB light)
External Flash Compatibility	E-TTL II with EX series Speedlite, wireless multi-flash support	Colour Sampling (Internal recording)	Full HD Timelapse (16:9) 1920 x 1080 (29.97, 25fps) intra frame (All-I)
External Flash Control	via camera menu screen	Canon Log	Full HD HDR (16:9) 1920 x 1080 (29.97, 25fps) intra frame (All-I)
		Movie Length	4K/ Full HD - YCbCr4:2:0 8-bit or YCbCr4:2:2 10bit
SHOOTING		High Frame Rate Movie	Yes, Canon Log 1
Modes	Still: Scene Intelligent Auto, Flexible priority AE, Program AE, Shutter priority AE, Aperture priority AE, Manual, Bulb and Custom (x3) Movie: Auto Exposure, Manual	Frame Grab	Max duration 29min 59sec. (excluding High Frame Rate movies). No 4GB file limit with exFAT formatted SD card.
Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)	Bitrate/Mbps	Full HD at 100fps or 119.9fps ^[10] Recorded as 1/4-speed slow motion movie Single scene maximum recording up to 7min 29sec.
Colour Space	sRGB and Adobe RGB		8.3-megapixel JPEG/HEIF still image frame grab from 4K UHD movie possible (HEIF only possible when HDR PQ is set)
Image Processing	Highlight Tone Priority (2 settings) Auto Lighting Optimizer (3 settings) Long exposure noise reduction Clarity High ISO speed noise reduction (4 settings) (stills and video) Lens optical correction - Peripheral illumination correction, Chromatic aberration correction Distortion correction (during/after still photo shooting, during video only) Diffraction correction, Digital Lens Optimizer (during/after still photo shooting only) Resize to M, S1, S2 Cropping of images (JPEG/HEIF) - Aspect ratios 3:2, 4:3, 16:9, 1:1 - Switch between vertical and horizontal cropping orientation - Image straightening - Cropping frame can be moved using touch screen operation RAW image processing Multiple exposure HDR HEIF to .jpeg conversion	Microphone	Built-in stereo microphone (48 Khz, 16-bit x 2 channels)
Drive modes	Single, Continuous High+, Continuous High, Continuous Low, Self timer (2s+remote, 10s+remote)	HDMI Display	Output to external monitor only (output of images and shooting information, images are recorded to the card) Camera screen and External Monitor output (no recording to the card, camera screen shows images with shooting information)
Continuous Shooting	Max. Approx. 12fps. with Mechanical shutter, speed maintained for 1000+ JPEG or 240 RAW images ^{[6] [7]} Max. Approx. 20fps. with Electronic shutter	HDMI Output	4K (UHD) 59.94p / 29.97p / 23.98p, Full HD 59.94p / 59.94i, 50.00p / 50.00i 480p 59.94p 576p 50p Uncompressed YCbCr 4:2:2, 8-bit or 10-bit, sound output via HDMI is also possible
Interval timer	Built in	Focusing	Dual Pixel CMOS AF with Eye/Face Detection and Animal Tracking AF, Movie Servo AF Manual Focus (Peaking and Focus Guide available)
FILE TYPE - STILLS		ISO	Auto: 100-6400, H: 204800 Manual: 100-25600, H: 204800
Still Image Type	JPEG: 2 compression options RAW: RAW, C-RAW 14 bit (14-bit with Mechanical shutter and Electronic 1st Curtain, 12-bit A/D conversion with Electronic shutter, Canon original RAW 3rd edition) HEIF: 10bit HEIF is available in HDR shooting with [HDR PQ] set to [Enable] Complies with Exif 2.31 and Design rule for Camera File system 2.0 Complies with Digital Print Order Format [DPOF] Version 1.1	OTHER FEATURES	
RAW+JPEG/HEIF simultaneous recording	Yes, any combination of RAW + JPEG or RAW + HEIF possible	Custom Functions	21 Custom Functions
Image Size	JPEG / HEIF 3:2 ratio (L, RAW, C-RAW) 5472 x 3648, (M) 3648 x 2432, (S1) 2736 x 1824, (S2) 2400 x 1600 1.6x (crop) (L) 3408 x 2272, (S2) 2400 x 1600 4:3 ratio (L) 7280 x 5464, (M) 5152 x 3872, (S1) 3712 x 2784, (S2) 2112 x 1600 16:9 ratio (L) 5472 x 3072, (M) 3648 x 2048, (S1) 2736 x 1536, (S2) 2400 x 1344 1:1 ratio (L) 3648 x 3648, (M) 2432 x 2432, (S1) 1824 x 1824, (S2) 1600 x 1600	Metadata Tag	User copyright information (can be set in camera) Image rating (0-5 stars) IPTC data (registered with EOS Utility) Image transfer with caption (Caption registered with EOS Utility)
Folders	New folders can be manually created, named and selected	LCD Panel/Illumination	No/No
File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset	Water/Dust resistance	Yes ^[11]
		Voice Memo	No
		Intelligent Orientation Sensor	Yes
		Playback zoom	1.5x - 10x in 15 steps

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Live for the story_

TECHNICAL SPECIFICATIONS

EOS R6

Display Formats	(1) Single image (2) Single image with information (2 levels) Basic - Shooting information (shutter speed, aperture, ISO and Image quality) Detailed - Shooting information (shutter speed, aperture, ISO, metering Image, quality and file size), Lens information, Brightness and RGB histogram, White balance, Picture Style, Color space and noise reduction, Lens optical correction, GPS information, IPTC information (3) 4 image index (4) 9 image index (5) 36 image index (6) 100 image index (7) Jump Display (1, 10 or 100 images, Date, Folder, Movies, Stills, Protected images, Rating) (8) Movie edit (9) RAW processing (10) Rating	POWER SOURCE	Rechargeable Li-ion Battery LP-E6NH (supplied)/ LP-E6N With LCD Approx. 510 shots (at 23°C) ^[12] With LCD Approx. 510 (at 0°C) With Viewfinder Approx. 380 shots (at 23°C) ^[12] With Viewfinder Approx. 380 (at 0°C) 6 levels + percentage Power turns off after 30 seconds, 1, 3, 5, 10 or 30mins Battery charger LC-E6E (supplied), AC Adapter AC-E6N and DC Coupler DR-E6, AC Adapter Kit ACK-E6N/ACK-E6, Car Battery Charger CBC-E6, PD-E1 USB power adapter
Slide Show	Image selection: All images, by Date, by Folder, Movies, Stills, Protected images or Rating Playback time: 1/2/3/5/10 or 20 seconds Repeat: On/Off	Batteries	
Histogram	Brightness: Yes RGB: Yes	Battery life	
Highlight Alert	Yes	Battery Indicator	
Image Erase	Single image, select range, Selected images, Folder, Card	Power saving	
Image Erase Protection	Erase protection of Single image, Folder or Card all found images (only during image search) 3 or 10 sec.	Power Supply & Battery Chargers	
Self Timer		PHYSICAL SPECIFICATIONS	
Menu Categories	(1) Shooting menu (2) AF Menu (3) Playback menu (4) Network (5) Setup menu (6) Custom Functions menu (7) My Menu	Body Materials	Magnesium Alloy chassis, outer panels are polycarbonate resin with glass fiber 1 – 40 °C, 85% or less humidity 138.4 × 97.5 × 88.4 mm Approx. 598 g (680 g with card and battery)
Menu Languages	29 Languages English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Malay, Indonesia and Japanese	Operating Environment	
Firmware Update	Update possible by the user (Camera, Lens, External Speedlite, BLE remote control, Lens adapter)	Dimensions (WxHxD)	
INTERFACE		Weight (body only)	
Computer	SuperSpeed USB 3.1 Gen 2 USB C connector	ACCESSORIES	
Wi-Fi	Wireless LAN (IEEE802.11a/b/g/n) (2.4 GHz) ^[13] with Bluetooth 4.2 support. Features supported - EOS Utility, Smartphone, Upload to image.canon, Wireless printing	Wireless File Transmitter	N/A
Other	HDMI micro out (Type D), External Microphone In (Stereo mini jack), Headphone socket (Stereo mini jack), E3-type terminal (remote control terminal)	Lenses	All RF lenses (EF & EF-S via Lens adapters) Mount Adapter EF-EOS R Control Ring Mount Adapter EF-EOS R Drop-In Filter Mount Adapter EF-EOS R
DIRECT PRINT		Lens adapters	
PictBridge	Not supported	Flash	Canon Speedlite (EL-100, 90EX, 220EX, 270EX, 270EX II, 320EX, 380EX, 420EX, 430EX, 430EX II, 430EX III-RT, 470EX-AI, 550EX, 580EX, 580EX II, 600EX, 600EX-RT, 600EX II-RT, Macro-Ring-Lite MR-14EX, Macro Ring Lite MR-14EX II, Macro Twin Lite MT-24EX, Macro Twin Lite MT-26EX Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT)
STORAGE		Remote Controller/Switch	Remote control with E3 type socket and Speedlite 600EX II-RT, Infrared Remote RC-6, Wireless Remote Control BR-E1
Type	2x SD/SDHC/SDXC and UHS-II	Other	BG-R10 battery grip, GP-E2 GPS receiver (digital compass not supported), Stereo Microphone DM-E1 / DM-E100
SUPPORTED OPERATING SYSTEM			
PC & Macintosh	Windows 8.1 and Windows 10 (tablet mode not supported) OS X v10.12, 10.13, 10.14, 10.16		
SOFTWARE			
Image Processing	Digital Photo Professional 4.12.4 or later, Digital Photo Professional Express mobile app (iPad only) (RAW Image Processing)		
Other	EOS Utility 3.12.3 or later (incl. Remote Capture), Picture Style Editor, EOS Lens Registration Tool, EOS Web Service Registration Tool, Canon Camera Connect app, Mobile File Transfer app and image.canon app (iOS/Android)		

All data is based on Canon standard testing methods except where indicated. Subject to change without notice.

Footnotes:-

- [1] 8-stops based on the CIPA standard with RF 24-105mm F4 L IS USM at a focal length of 105mm.
- [2] The AF area available vary depending on the lens used
- [3] The lowest light AF is available with an f/1.2 lens, center AF point, One-Shot AF, at 23°C / 73°F, ISO 100) Except RF lenses with a Defocus Smoothing (DS) coating
- [4] Recommended Exposure Index
- [5] With 50mm lens at infinity, -1m-1 dpt
- [6] Max Frames per second will vary depending on the battery type, if Wi-Fi is turned on, operating temperature lens used and file size. The number of possible shots and maximum burst vary depending on shooting conditions (including [1.6x (crop)], aspect ratio, subject, memory card brand, ISO speed, Picture Style, and Custom Function). The speeds quoted are based on testing with the following settings: Shutter speed 1/1000 sec. or faster, Aperture Maximum aperture, Flash Not used, Flicker reduction Not used, Battery pack Fully charged LP-E6NH, Temperature Room temperature (23°C / 73°F), Battery grip Not used, Wi-Fi settings OFF.
- [7] Max Frame rates for still vary between lenses and aperture used
- [8] 4K UHD is 94% horizontal coverage of the image area, Full HD is 100%, 4K movie cropping mode is 62% of the horizontal area
- [9] If the cameras internal temperature becomes too high the maximum recording time will be reduced
- [10] In High frame Rate Movie mode sound is not recorded
- [11] Although the camera features dust- and water-resistant construction, this cannot completely prevent dust or water droplets from entering the camera.
- [12] Based on the CIPA Standard and using the battery supplied with the camera, except where indicated. In power saving mode
- [13] Wi-Fi use may be restricted in certain countries or regions

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EOS R6

Whatever you shoot, however you shoot it, the EOS R6 will have you falling in love with photography all over again. Its blistering speed, low-light sensitivity, up to 8-stop image stabilisation and 4K 60p video will allow you to capture the moment and add a new dimension to your visual story telling.



What's in the box?

EOS R6 BODY

- EOS R6 Body
- Camera Cover R-F-5
- Strap ER-EOS R6
- Battery Charger LC-E6E
- LP-E6NH
- Battery Pack Cover
- AC Cable (EU/SK)

EOS R6 24-105 STM

- EOS R6 Body
- Camera Cover R-F-5
- Strap ER-EOS R6
- Battery Charger LC-E6E
- LP-E6NH
- Battery Pack Cover
- AC Cable (EU/SK)
- RF 24-105mm F4-7.1 IS STM
- Lens Cap E-67II
- Lens Dust Cap RF
- User Manual Kit (EU)

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