

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

DIGIC X

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		SHUTTER	
Type	35.9 x 23.9 mm CMOS	Type	Electronically-controlled focal-plane shutter and Electronic shutter function on sensor
Effective Pixels	Approx. 20.1 megapixels	Speed	30-1/8000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
Total Pixels	Approx. 21.4 megapixels	Shutter Release	Soft touch electromagnetic release
Aspect Ratio	3:2	WHITE BALANCE	
Low-Pass Filter	Built-in/Fixed	Type	Auto white balance with the imaging sensor
Sensor Cleaning	EOS integrated cleaning system	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
Colour Filter Type	Primary Colour	Custom White Balance	+/-3 levels in single level increments
Sensor shift-IS	Yes, up to 8-Stops ^[1]	WB Bracketing	3, 2, 5 or 7 bracketed images per shutter release Selectable Blue/Amber bias or Magenta/Green bias
IMAGE PROCESSOR		VIEWFINDER	
Type	DIGIC X	Type	0.5-inch OLED colour EVF
LENS		Dot count	3.69 Million dots
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	Coverage (Vertical/Horizontal)	Approx. 100%
Focal Length	Equivalent to 1.0x the focal length of the lens with RF and EF lenses 1.6x with EF-S	Magnification	Approx. 0.76x ^[5]
FOCUSING		Eye point	Approx. 23mm (from eyepiece lens centre)
Type	Dual Pixel CMOS AF	Dioptr Correction	-4 to +2 m-1 (dioptr)
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]	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)
AF working range	EV -6.5 – 20 (at 23°C & ISO100) ^[3]	Depth of field preview	Yes, via customised button
AF Modes	One Shot Servo AF AI Focus AF (in A+ Scene Intelligent Auto mode)	Eyepiece shutter	N/A
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)	LCD MONITOR	
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	Type	7.5cm (3.0") Clear View LCD II, approx. 1.62 million dots
AF Assist Beam	Emitted by built in LED or optional dedicated Speedlite (flash)	Coverage	Approx. 100%
Manual Focus	Selected on lens	Viewing Angle horizontally/vertically	Approx. 170° vertically and horizontally
EXPOSURE CONTROL		Coating	Anti-smudge.
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	Brightness Adjustment	Manual: Adjustable to one of seven levels Colour Tone Adjustment: 4 settings
Metering Brightness Range	EV -3 – 20 (at 23°C, ISO100, with evaluative metering)	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.
AE Lock	Auto: AE lock takes effect when focus is achieved Manual: By AE lock button in P, Av, Fv, Tv and M modes	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
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		

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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) 3840x 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)
		Canon Log	4K/ Full HD - YCbCr4:2:0 8-bit or YCbCr4:2:2 10bit
SHOOTING		Movie Length	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	High Frame Rate Movie	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)	Frame Grab	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	Bitrate/Mbps	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	MP4 H.264 Canon Log Off 4K (59.94p/50.00p): IPB Approx. 230 Mbps 4K (29.97p/25.00p/23.98p): IPB Approx. 120 Mbps 4K Timelapse (29.97, 25fps) All-I Approx. 470Mbps Full HD (119.88p/100.00p): IPB Approx. 120 Mbps ^[10] Full HD (59.94p/50.00p): IPB Approx. 60 Mbps Full HD (29.94p/25.00p/23.93p): IPB Approx. 30 Mbps Full HD (29.94p/25.00p): IPB Lite Approx. 12 Mbps Full HD Timelapse (29.97, 25fps) All-I Approx. 90Mbps Full HDR Movies (29.97, 25fps) IPB Approx. 30 Mbps MP4 H.265 Canon Log / HDR PQ: On 4K (59.94p/50.00p): IPB Approx. 340 Mbps 4K (29.97p/25.00p/23.98p): IPB Approx. 170 Mbps 4K Timelapse (29.97, 25fps) All-I Approx. 470Mbps Full HD (119.88p/100.00p): IPB Approx. 180 Mbps ^[10] Full HD (59.94p/50.00p): IPB Approx. 90 Mbps Full HD (29.94p/25.00p/23.93p): IPB Approx. 45 Mbps Full HD (29.94p/25.00p): IPB Lite Approx. 28 Mbps Full HD Timelapse (29.97, 25fps) All-I Approx. 135Mbps
Drive modes	Single, Continuous High+, Continuous High, Continuous Low, Self timer (2s+remote, 10s+remote)	HDMI Display	Built-in stereo microphone (48 Khz, 16-bit x 2 channels)
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	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)
Interval timer	Built in	Focusing	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
FILE TYPE - STILL		ISO	Dual Pixel CMOS AF with Eye/Face Detection and Animal Tracking AF, Movie Servo AF Manual Focus (Peaking and Focus Guide available) 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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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 Batteries	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
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	Battery life	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
Histogram	Brightness: Yes RGB: Yes	Battery Indicator	
Highlight Alert	Yes	Power saving	
Image Erase	Single image, select range, Selected images, Folder, Card	Power Supply & Battery Chargers	
Image Erase Protection	Erase protection of Single image, Folder or Card all found images (only during image search) 3 or 10 sec.	PHYSICAL SPECIFICATIONS 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)
Self Timer		Operating Environment	
Menu Categories	(1) Shooting menu (2) AF Menu (3) Playback menu (4) Network (5) Setup menu (6) Custom Functions menu (7) My Menu	Dimensions (WxHxD)	
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	Weight (body only)	
Firmware Update	Update possible by the user (Camera, Lens, External Speedlite, BLE remote control, Lens adapter)	ACCESSORIES Wireless File Transmitter	N/A
INTERFACE Computer	SuperSpeed USB 3.1 Gen 2 USB C connector	Lenses	All RF lenses (EF & EF-S via Lens adapters)
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	Lens adapters	Mount Adapter EF-EOS R Control Ring Mount Adapter EF-EOS R Drop-In Filter Mount Adapter EF-EOS R
Other	HDMI micro out (Type D), External Microphone In (Stereo mini jack), Headphone socket (Stereo mini jack), E3-type terminal (remote control terminal)	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)
DIRECT PRINT PictBridge	Not supported	Remote Controller/Switch	Remote control with E3 type socket and Speedlite 600EX II-RT, Infrared Remote RC-6, Wireless Remote Control BR-E1
STORAGE 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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