

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		
Low-Pass Filter	Built-in/Fixed		
Sensor Cleaning	EOS integrated cleaning system		
Colour Filter Type	Primary Colour	WHITE BALANCE	
Sensor shift-IS	Yes, up to 8-Stops ^[1]	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
IMAGE PROCESSOR			White balance compensation: 1. Blue/Amber +/-10 2. Magenta/Green +/-10
Type	DIGIC X	Custom White Balance	Yes, 1 setting can be registered
		WB Bracketing	+/-3 levels in single level increments 3, 2, 5 or 7 bracketed images per shutter release Selectable Blue/Amber bias or Magenta/Green bias
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	VIEWFINDER	
		Type	0.5-inch OLED colour EVF
FOCUSING		Dot count	3.69 Million dots
Type	Dual Pixel CMOS AF	Coverage (Vertical/Horizontal)	Approx. 100%
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] EV -6.5 – 20 (at 23°C & ISO 100) ^[3]	Magnification	Approx. 0.76x ^[5]
AF working range	EV -6.5 – 20 (at 23°C & ISO 100) ^[3]	Eyepoint	Approx. 23mm (from eyepiece lens centre)
AF Modes	One Shot Servo AF AI Focus AF (in AI+ Scene Intelligent Auto mode)	Dioptr. Correction	-4 to +2 m-1 (dioptr.)
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)	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 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 Speedlite (flash)	Depth of field preview	Yes, via customised button
AF Assist Beam	Emitted by built-in LED or optional dedicated Speedlite (flash)	Eyepiece shutter	N/A
Manual Focus	Selected on lens		
		LCD MONITOR	
EXPOSURE CONTROL		Type	7.5cm (3.0") Clear View LCD II, approx. 1.62 million dots
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	Coverage	Approx. 100%
Metering Brightness Range	EV -3 – 20 (at 23°C, ISO 100, with evaluative metering)	Viewing Angle horizontally/vertically	Approx. 170° vertically and horizontally
AE Lock	Auto: AE lock takes effect when focus is achieved Manual: By AE lock button in P, Av, Fv, Tv and M modes	Coating	Anti-smudge
Exposure Compensation	+/-3 EV in 1/3 or 1/2 stop increments (can be combined with AEB).	Brightness Adjustment	Manual: Adjustable to one of seven levels Colour Tone Adjustment: 4 settings
AEB	+/-3 EV in 1/3 or 1/2 stop increments	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.
Anti-flicker shooting	Yes, flicker detected at a frequency of 100 Hz or 120 Hz. Maximum continuous shooting speed may decrease	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
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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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 Battery life Battery Indicator Power saving Power Supply & Battery Chargers	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	PHYSICAL SPECIFICATIONS Body Materials Operating Environment Dimensions (WxHxD) Weight (body only)	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)
Histogram	Brightness: Yes RGB: Yes	ACCESSORIES Wireless File Transmitter Lenses Lens adapters	N/A 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
Highlight Alert	Yes	Flash	Canon Speedlite (EL-100, 90EX, 220EX, 270EX, 270EX II, 320EX, 380EX, 420EX, 430EX, 430EX II, 430EX III-RT, 470EX-AL, 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)
Image Erase	Single image, select range, Selected images, Folder, Card	Remote Controller/Switch	Remote control with E3 type socket and Speedlite 600EX II-RT, Infrared Remote RC-6, Wireless Remote Control BR-E1
Image Erase Protection	Erase protection of Single image, Folder or Card all found images (only during image search)	Other	BG-R10 battery grip, GP-E2 GPS receiver (digital compass not supported), Stereo Microphone DM-E1 / DM-E100
Self Timer	3 or 10 sec.	All data is based on Canon standard testing methods except where indicated. Subject to change without notice.	
Menu Categories	(1) Shooting menu (2) AF Menu (3) Playback menu (4) Network (5) Setup menu (6) Custom Functions menu (7) My Menu	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 camera's 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
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		
Firmware Update	Update possible by the user (Camera, Lens, External Speedlite, BLE remote control, Lens adapter)		
INTERFACE Computer Wi-Fi	SuperSpeed USB 3.1 Gen 2 USB C connector 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		
Other	HDMI micro out (Type D), External Microphone In (Stereo mini jack), Headphone socket (Stereo mini jack), E3-type terminal (remote control terminal)		
DIRECT PRINT PictBridge	Not supported		
STORAGE Type	2x SD/SDHC/SDXC and UHS-II		
SUPPORTED OPERATING SYSTEM PC & Macintosh	Windows 8.1 and Windows 10 (tablet mode not supported) OS X v10.12, 10.13, 10.14, 10.15		
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)		



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