

Canon EOS R5 Mark II Mirrorless Camera Body Specification

R5 Mark II

Specifications

IMAGE SENSOR

Type	36 x 24 mm Full Frame back-illuminated stacked CMOS sensor
Effective Pixels	Approx. 45 megapixels
Total Pixels	Approx. 50.3 megapixels
Aspect Ratio	3:2
Low-Pass Filter	Built-in/Fixed
Sensor Cleaning	EOS integrated cleaning system
Colour Filter Type	RGB Primary Colour
Sensor Shift-IS	Yes, up to 8.5-Stops advantage at the center and 7.5-stops peripheral depending on the lens used ¹

IMAGE PROCESSOR

Type	DIGIC Accelerator and DIGIC X
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LENS

Lens Mount	RF / RF-S
	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

Focal Length	EF-M lenses are not compatible Equivalent to 1.0x the focal length of the lens with RF and EF lenses, 1.6x with EF-S and RF-S lenses.
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Image Stabilisation

FOCUSING

Type	Dual Pixel Intelligent AF
AF System/Points	100% horizontal and 100% vertical with Face + Tracking and Auto Selection modes ²

AF Working Range	100% horizontal and 90% vertical with manual selection and large zone modes EV -6.5 – 21 (at 23°C & ISO100) ³
AF Modes	One Shot, Servo AF, AI Focus AF (in A+ Scene Intelligent Auto mode)

AF Methods

AF Point Selection	Automatic selection: Face + tracking. 1053 Available AF areas when automatically selected
	Manual selection: Spot AF

Manual selection: 1-point AF (AF frame size can be changed) 5850 (stills)/ (4500) movie AF positions available

	<p>Manual selection: AF point Expansion 4 points (up, down, left, right)</p> <p>Manual selection: AF point Expansion surrounding</p> <p>Manual selection: Flexible Zone AF 1-3 (all AF points divided into minimum 9 to 999 maximum focusing zones, where the width and height is also adjustable)</p> <p>Manual selection: Whole area AF</p> <p>Manual selection: Spot AF (Whole area tracking servo AF OFF)</p> <p>Manual selection: 1-point AF (Whole area tracking servo AF OFF)</p> <p>Manual selection: AF point Expansion 4 points (up, down, left, right) (Whole area tracking servo AF OFF)</p> <p>Manual selection: AF point Expansion surrounding (Whole area tracking servo AF OFF)</p>
AF Tracking	<p>Humans (Eyes, Face, Head, Upper half of body, Body), Animals (Dogs, Cats, Birds and Horses) or Vehicles (Racing cars or Motor bikes, Airplanes and Trains), Register People Priority (up to 10 x 10 registered people), Action Priority⁴ (Football, Basketball, Volleyball)</p> <p>Supported actions:</p> <ul style="list-style-type: none"> - Soccer: Shoot, header, short pass, long pass, dribble, clear, place kick, save by keeper, throw in, sliding tackle - Basketball: Shoot, rebound, pass, dribble, free throw, jump ball - Volleyball: Spike, toss, receive, serve
AF Lock	<p>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</p>
AF Assist Beam	<p>Emitted by built in LED or optional dedicated Speedlite (flash)</p>
Manual Focus Focus Bracketing AF Microadjustment	<p>Selected on lens</p>
EXPOSURE CONTROL	
Metering Modes	<p>Real-time with image sensor, 6144-zone metering.</p> <p>(1) Evaluative metering (linked to All AF points)</p>

	(2) Partial metering (Approx. 9.5% of screen at centre)
	(3) Spot metering: Centre spot metering (Approx. 5.3% screen at centre) AF point-linked spot metering not provided
Metering Brightness Range	(4) Centre weighted average metering 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 available with both electronic and mechanical shutter
	High Frequency anti flicker shooting for M and TV modes
	Electronic 1st-curtain: 1/50.0 to 1/2048.0 sec.
	Electronic shutter: 1/50.0 to 1/8192.0 sec.
	Movie recording: 1/50.0 to 1/8192.0 sec. (NTSC/PAL)
	Maximum continuous shooting speed may decrease.
ISO Sensitivity	Auto 100-51200 (in 1/3-stop or 1 stop increments)
	ISO can be expanded to L:50, H1:1024005
SHUTTER	
Type	Electronically-controlled focal-plane shutter and Electronic shutter function on sensor
Electronic Shutter Type	
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 supported by deep learning technology
	AWB (Ambience priority/White priority), Daylight, Shade, Cloudy, Tungsten light, White Fluorescent light, Flash, Custom, Colour Temperature Setting
Settings	White balance compensation:
	1. Blue/Amber +/-9

Shift	2. Magenta/Green +/-9
Custom White Balance	Yes, 5 setting can be registered
WB Bracketing	<p>+/-3 levels in single level increments 3, 2, 5 or 7 bracketed images per shutter release</p> <p>Selectable Blue/Amber bias or Magenta/Green bias</p>
VIEWFINDER	
Type	0.5-inch OLED colour EVF
EVF Refresh Rate	
Dot Count	5.76 Million dots (1600x1200)
Coverage (Vertical/Horizontal)	Approx. 100%
Magnification	Approx. 0.76x6
Eyepoint	Approx. 24mm (from eyepiece lens centre)
Dioptre Correction	-4 to +2 m-1 (dioptrre)
Brightness	
Exposure Simulation	
Display Settings	
Display performance	Power saving: 59.94 fps Smooth 119.98 fps , supress low frame rate 60 -119.8fps7 (7 level of brightness)
Sensor	
Vertical Display	
Viewfinder Information	AF point information, Eye Control pointer, Exposure level indicator, Shooting mode, ISO speed, Shutter speed, Aperture, Number of remaining multiple exposures, Exposure compensation, HDR shooting, Highlight tone priority, Multiple-exposure shooting, Multi Shot Noise Reduction, Number of self-timer shooting, Digital Lens Optimizer, Maximum burst, AF method, Battery level, Electronic level size, Card free space (%) display, AF operation, Exposure simulation, Drive mode, AEB, Metering mode, FEB, Anti-flicker shooting, Still photo cropping, Aspect ratio, Auto Lighting Optimizer, AE lock, Picture Style, Flash-ready, White balance, Flash off, White balance correction, FE lock, Image Quality, High-speed sync, Bluetooth function, Wi-Fi function, Multi-function lock warning, Histogram, Electronic level, Lens information, focus distance scale, vertical exposure scale, Grid, Yes, via customised button
Depth of Field Preview	
Eyepiece Shutter	
LCD MONITOR	
Type	8.0 cm (3.2") TFT colour LCD, Approx. 2.1 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
Touch-Screen Operations	<p>Colour Tone Adjustment: 4 settings</p> <p>Capacitive method with menu functions, Quick Control settings, playback operations, and magnified display. AF point selection in</p>

Display Options	<p>still and Movies, touch shutter is possible in still photo shooting.</p> <p>(1) Basic Camera settings</p> <p>(2) Advance Camera settings</p> <p>(3) Camera settings plus histogram and dual level display</p> <p>(4) No info</p> <p>(5) Quick Control Screen</p> <p>(6) Off</p>
FLASH	
Built-in Flash GN (ISO 100, meters)	
Built-in Flash Coverage	
Built-in Flash Recycle Time	
Modes	E-TTL II flash metering, Manual flash, MULTI flash (stroboscopic), Auto external flash metering, Manual external flash metering
Red-Eye Reduction X-Sync	<p>When [Cropping/aspect ratio: Full-frame/1:1/4:3/16:9] is set: 1/200 sec mechanical shutter / 1/250 electronic 1st curtain, 1/160 sec Electronic shutter</p> <p>When [Cropping/aspect ratio: 1.6x (crop)] is set: 1/250 sec mechanical shutter / 1/320 electronic 1st curtain, 1/250 sec Electronic shutter⁸</p>
Flash Exposure Compensation	'+/- 3EV in 1/3 increments with EX and EL series Speedlite flashes
Flash Exposure Bracketing	'+/- 3EV in 1/3 increments with EX and EL series Speedlite flashes
Flash Exposure Lock	Yes
Second Curtain Synchronisation	Yes, via Speedlite
Hot Shoe/PC Terminal	Yes/Yes and Multi-function shoe
External Flash Compatibility	EL series Speedlites, EX series Speedlites, Macrolites, Wireless multi-flash support
External Flash Control	via camera menu screen
SHOOTING	
Modes	<p>Stills; Flexible priority AE, Program AE, Shutter priority AE, Aperture priority AE, Manual, Bulb and Custom (x3)</p> <p>Movie: Program AE, Shutter priority AE, Aperture priority AE, Manual, and Custom (x3)</p>
Special Scene Modes	
Creative Filters	
Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)
Colour Space	SDR: sRGB and Adobe RGB HDR PQ: BT.2020

	Highlight Tone Priority (3 settings)
	Auto Lighting Optimizer (4 settings)
	Long exposure noise reduction (3 settings) (still only)
	Clarity
	High ISO speed noise reduction (4 settings) (still and video)
	Lens optical correction:
	- Peripheral illumination correction, Chromatic aberration correction Distortion correction (during/after still photo shooting, during video only)
	- Focus breathing correction(during video only)
	- Diffraction correction,
	- Digital Lens Optimizer (during/after still photo shooting)
Image Processing	Resize to M, S1, S2
	Cropping: JPEG images can be cropped (Aspect ratios 3:2, 4:3, 16:9, 1:1)
	Cropping of images
	- Switch between vertical and horizontal cropping orientation
	- Image straightening
	- Cropping frame can be moved using touch screen operation
	- Neural Network Upscaling
	RAW image processing
	Neural Network Noise Reduction
	Multiple exposure
	HDR
	HEIF to Jpeg conversion (inc Batch conversion)
Drive Modes	Focus Bracketing and in camera composition Single, Continuous High+, Continuous High, Continuous Low, Customisable Continuous shooting speeds, Self-timer (2s+remote, 10s+remote, continuous)
Continuous Shooting	Max. Approx. 12 fps. with Mechanical shutter/1st curtain electronic speed

	<p>maintained for 760 JPEG or 230/95(CFexpress/SD card) RAW images or 30 FPS with electronic shutter speed maintained for 200 JPEG or 93/86(CFexpress/SD card) RAW images⁹.</p> <p>Custom Continuous shooting speed with Electronic shutter selectable options 30 / 20 / 15 / 12 / 10 / 7.5 / 5 / 3 / 2 / 1 FPS depending on the drive mode.</p> <p>Pre-Continuous shooting is possible from 15 shots before the shutter button is fully pressed when the AF is on for 15 shots or more.</p>
Maximum Burst Intervalometer	Built in
Interval Timer	
FILE TYPE - STILLS	
Still Image Type	<p>RAW 14 bit: RAW and C-RAW (Canon original RAW 3rd edition)</p> <p>JPEG 8 bit: 10 compression options</p> <p>HEIF 10 bit: 10 compression options</p> <p>Complies with Exif 2.31 and Design rule for Camera File system 2.0</p> <p>Complies with Digital Print Order Format [DPOF] Version 1.1</p> <p>Yes, any combination of RAW + JPEG or RAW + HEIF possible</p>
RAW+JPEG/HEIF Simultaneous Recording	<p>RAW/ C-RAW:</p> <p>3:2 ratio 8192x5464, 1.6x (crop) 5088x3392</p> <p>JPEG/ HEIF:</p> <p>3:2 ratio (L, RAW, C-RAW) 8192x5464, (M) 6000x4000, (S1) 4176x2784, (S2) 2400x1600</p> <p>1.6x (crop) (L) 5088x3392, (S2) 2400x1600</p> <p>4:3 ratio (L) 7280x5464, (M) 5328x4000, (S1) 3712x2784, (S2) 2112x1600</p> <p>16:9 ratio (L) 8192x4608, (M) 6000x3368, (S1) 4176x2344, (S2) 2400x1344</p> <p>1:1 ratio (L) 5456x5456, (M) 4000x4000, (S1) 2784x2784, (S2) 1600x1600</p>
Image Size	
Folders	<p>In-camera Neural Network Upscaling up to 16384x10928 (179MP)¹⁰</p> <p>New folders can be manually created, named and selected</p> <p>Movie folder structure is adopting the XF-HEVC S / XF-AVC S format</p>

File Numbering	(1) Consecutive numbering
	(2) Auto-reset
	(3) Manual reset
File Naming	Still:
	Preset code Unique 4-digit character string + 4-digit file number
	2 User Presets
	Movie:
	Adopting the XF-HEVC S / XF-AVC S format
	Camera index, Reel number, Clip number, Codec type, Shooting start date, Shooting start time, Random ID, User defined 5 characters, Stream number, (Proxy)
EOS MOVIE	
Movie Type	RAW/SRAW Video: 8K DCI(17:9) / 4K DCI(17:9)11
	MP4 Video: 8K DCI/UHD (17:9/16:9) 4K DCI/UHD (17:9/16:9), 2K/Full HD (17:9/16:9)
	8K/4K/2K/Full HD: XF-HEVC S/H.265, Audio: Linear PCM / AAC
	4K/2K/Full HD: MPEG-4 AVC S/H.264, Audio: Linear PCM / AAC
	8K RAW 4K RAW: 12bit CRM Audio: Linear PCM / AAC
Movie Size	8K/4K/FullHD Time-lapse movie mode RAW (Light) (17:9) 8192 x 4320 (59.94, 50, 29.97, 25, 24, 23.98 fps)
	RAW (Standard) (17:9) 8192 x 4320 (29.97, 25, 24, 23.98 fps)
	SRAW (Standard, Light) (17:9) 4096 x 2160 (59.94, 50, 29.97, 25, 24, 23.98 fps)
	8K DCI (17:9) 8192 x 4320 (29.97, 25, 24, 23.98 fps) 2-3 type of intra or Long GOP
	8K UHD (16:9) 7680 x 4320 (29.97, 25, 23.98 fps) 2-3 type of intra or Long GOP
	4K DCI (17:9) 4096 x 2160 (119.9, 100, 59.94, 50, 29.97, 25, 24, 23.98 fps) 3 type of intra or Long GOP

	<p>4K UHD (16:9) 3840 x 2160 (119.9, 100, 59.94, 50, 29.97, 25, 23.98 fps) 3 type of intra or Long GOP</p> <p>2K DCI (17:9) 2048 x 1080 (239.76, 200, 119.9, 100, 59.94, 50, 29.97, 25, 24, 23.98 fps) Intra frame or Long GOP</p> <p>Full HD (16:9) 1920 x 1080 (239.76, 200, 119.9, 100, 59.94, 50, 29.97, 25, 23.98 fps) Intra frame or Long GOP</p> <p>HDR movie recording at up to 59.94p in Normal modes of 4K DCI/UHD, 2K DCI/UHD, Full HD</p> <p>HDR movie recording at up to 29.97p in Fine modes of 4K DCI/UHD, 2K DCI/UHD, Full HD12</p> <p>8K/ 4K/ 2K/ Full HD - YCbCr4:2:0 or YCbCr4:2:2 8-bit or 10bit</p> <p>Custom Picture:</p> <p>C1: Canon 709</p> <p>C2: Canon Log 2</p> <p>C3: Canon Log 3</p> <p>C4: PQ</p> <p>C5: HLG</p> <p>C6: BT.709 Standard</p> <p>C7 - C20: User Defined</p> <p>Picture Styles: Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)</p>
Colour Sampling (Internal recording)	
Canon Log	
Movie Length	<p>Max duration 6 hours. (excluding High Frame Rate movies). No 4 GB file limit with exFAT formatted card13.</p>
High Frame Rate Movie	<p>MP4 Video:</p> <p>4K – DCI 4096x2160 / UHD 3840x2160 at 119.9 / 100 fps</p> <p>2K – DCI 4096x2160 / UHD 3840x2160 at 239.76 / 200 / 119.9 / 100 fps</p>
Frame Grab	<p>Full HD 1920 x1080 at 239.76 / 200 / 119.9 / 100 fps14</p> <p>35.4-megapixel JPEG still image frame grab from 8K DCI movie possible</p> <p>33.2-megapixel JPEG still image frame grab from 8K UHD movie possible</p> <p>8.8-megapixel JPEG still image frame grab from 4K DCI movie possible</p>

Bitrate/Mbps

8.3-megapixel JPEG still image frame grab
from 4K UHD movie possible

(HEIF only possible when HDR PQ is set)15

Dual Shooting (Still & Movie):

Movie Output:

Main recording format: XF-AVC S
YCC420 8bit

Movie recording size: Full HD (Normal) at
29.97p / 25p (LGOP)

Still Drive mode (JPEG only at the
resolution of 8K(7680x4320) and Aspect
ratio: Approx. 16:9):

High speed (Max. approx. 7.5 shots/sec.
(NTSC), Max. approx. 6.2 shots/sec. (PAL))

Low speed (Max. approx. 5.0 shots/sec.
(NTSC), Max. approx. 4.1 shots/sec. (PAL))

Single shooting 16
CRM:

8K RAW Standard
(29.97p/25.00p/24.00p/23.98p): Approx.
2600 Mbps

8K RAW Light (59.94p/50.00p): Approx.
2600 Mbps

8K RAW Light (29.97p): Approx. 1670 Mbps

8K RAW Light (25p): Approx. 1400 Mbps

8K RAW Light (24.00p/23.98p): Approx.
1340 Mbps

4K SRAW Standard (59.94p): Approx. 1860
Mbps

4K SRAW Standard (50p): Approx. 1550
Mbps

4K SRAW Standard (29.97p): Approx. 930
Mbps

4K SRAW Standard (25.00p/24.00p/23.98p):
Approx. 780 Mbps

4K SRAW Light (59.94p): Approx. 840 Mbps

4K SRAW Light (50p): Approx. 700 Mbps

4K SRAW Light (29.97p): Approx. 420 Mbps

4K SRAW Light (25.00p/24.00p/23.98p):
Approx. 350 Mbps

MP4 8K DCI/UHD Normal:

XF-HEVC S YCC422 10bit

High Quality Intra 24p / 23.98p: Approx.
1920 Mbps

Standard Intra 25p: Approx. 1500 Mbps

Light Intra 25p: Approx. 1000 Mbps

Standard LGOP 25p: Approx. 540 Mbps

XF-HEVC S YCC420 10bit Standard
LGOP

29.97p/25.00p/24.00p/23.98p: Approx.
400 Mbps

MP4 4K DCI/UHD Fine / Normal
(Oversampled from 8K / Not oversampled):

XF-HEVC S YCC422 10bit Standard
LGOP

29.97p/25.00p/24.00p/23.98p: Approx.
135 Mbps

XF-HEVC / XF-AVC S S YCC420 10bit /
8bit Standard LGOP

29.97p/25.00p/24.00p/23.98p: Approx.
100 Mbps

XF-AVC S YCC422 10bit

High Quality Intra 25p: Approx. 500 Mbps

Standard Intra 25p: Approx. 375 Mbps

Light Intra 25p: Approx. 250 Mbps

Standard LGOP
29.97p/25.00p/24.00p/23.98p: Approx. 150
Mbps

MP4 4K DCI/UHD Normal (Not
oversampled):

XF-HEVC S YCC422 10bit Standard
LGOP

119.9p / 100p: Approx. 450 Mbps

59.94p/50.00p: Approx. 225 Mbps

XF-HEVC / XF-AVC S S YCC420 10bit /
8bit Standard LGOP

119.9p / 100p: Approx. 300 Mbps

59.94p/50.00p: Approx. 150 Mbps

XF-AVC S YCC422 10bit

High Quality Intra 50p: Approx. 1000
Mbps

Standard Intra 100p: Approx. 1500 Mbps

Standard Intra 50p: Approx. 750 Mbps

Light Intra 100p: Approx. 1000 Mbps

Light Intra 50p: Approx. 500 Mbps

Standard LGOP 100p: Approx. 500 Mbps

Standard LGOP 50p: Approx. 250 Mbps

MP4 2K DCI / FullHD Fine / Normal
(Oversampled from 4K / Not oversampled):

XF-HEVC S YCC422 10bit Standard
LGOP

59.94p/50.00p/29.97p/25.00p/24.00p/23.98p:
Approx. 50 Mbps

XF-HEVC / XF-AVC S S YCC420 10bit /
8bit Standard LGOP

59.94p/50.00p/29.97p/25.00p/24.00p/23.98p:
Approx. 35 Mbps
XF-AVC S YCC422 10bit

Standard Intra 25p/50p: Approx. 125/250
Mbps

Standard LGOP
59.94p/50.00p/29.97p/25.00p/24.00p/23.98p:
Approx. 50 Mbps

MP4 2K DCI/UHD Normal (Not
oversampled):

XF-HEVC S YCC422 10bit Standard
LGOP

239.76p / 200p: Approx. 200 Mbps

119.88p / 100p: Approx. 100 Mbps

	<p>XF-HEVC / XF-AVC S S YCC420 10bit / 8bit Standard LGOP</p> <p>239.76p / 200p: Approx. 140 Mbps</p> <p>119.88p / 100p: Approx. 70 Mbps</p> <p>XF-AVC S YCC422 10bit</p> <p>Standard Intra 200p: Approx. 1000 Mbps</p> <p>Standard Intra 100p: Approx. 500 Mbps</p> <p>Standard LGOP 200p: Approx. 200 Mbps</p> <p>Standard LGOP 100p: Approx. 100 Mbps</p> <p>Proxy movie (2K-DCI Normal / Full HD Normal)</p> <p>XF-HEVC S YCC420 10bit / XF-AVC S YCC420 8bit Standard LGOP</p> <p>59.94p/50p/29.97p/25p/24p/23.98p: Approx. 16 Mbps</p> <p>XF-HEVC S YCC420 10bit / XF-AVC S YCC420 8bit Light LGOP</p> <p>59.94p/50p/29.97p/25p/24p/23.98p: Approx. 9 Mbps</p>
Dual Card recording	Yes (including Proxy recording)
Microphone	Built-in mono microphone (48 Khz, 24/16-bit x 2 channels)
	Audio format:
	LPCM / 24 bit / 4CH
HDMI Display	AAC / 16 bit / 2CH Output to external monitor only (output of images and shooting information, images are recorded to the card)
HDMI Output	Camera screen and External Monitor output (Simultaneous recording to camera and external recorder, camera screen shows images with shooting information) 17 8K RAW or 4K SRAW ProRes recording via HDMI18
	4K (DCI) 59.94p / 50p/29.97p /25p/24p/ 23.98p,
	4K (UHD) 59.94p / 50p/ 29.97p / 25p / 23.98p,
	Full HD 59.94p / 60i / 59.94i / 50p / 50i
	480p 59.94p

	576p 50p
Focusing	Uncompressed YCbCr 4:2:2, 10-bit, sound output via HDMI is also possible ^e Dual Pixel Intelligent AF with Eye/Face Detection and Tracking AF (people, animals and vehicles) , Movie Servo AF, Manual Focus
ISO	Auto: 100-25600, H: up to 51200 (when custom picture is off) Manual: 100-25600, H: up to 51200 (when custom picture is off)
OTHER FEATURES	
NETWORK OPTIONS	<p>Communication functions:</p> <ul style="list-style-type: none"> - Via Wi-Fi: FTP, FTPS, SFTP, EOS Utility, image.canon, Sync time between cameras, Camera Connect, Streaming services, Content Transfer Professional, Linked shooting, Camera Control API - Via Bluetooth: Camera Connect, BR-E1 - Via USB: EOS Utility, Camera Connect, Content Transfer Professional, Video calls/streaming (UVC/UAC) - Via Ethernet: FTP, FTPS, SFTP, EOS Utility, Sync time between cameras, Camera Control API <p>Simultaneous use of communication functions:</p> <ul style="list-style-type: none"> - FTP (wireless LAN) + EOS Utility (wireless LAN) - FTP (wired LAN) + EOS Utility (wired LAN) - FTP (wireless LAN) + EOS Utility (USB) - FTP (wired LAN) + EOS Utility (USB)
Metadata Tag	<p>User copyright information (can be set in camera)</p> <p>Image rating (0-5 stars)</p> <p>IPTC data (registered with EOS Utility)</p> <p>IPTC data (via CTP app)</p> <p>IPTC IIM (via CTP app)</p> <p>NewsML-G2 (News Metadata) (via CTP app)</p> <p>Image transfer with caption (Caption registered with EOS Utility)</p> <p>Blur/Out-of-Focus image detection data¹⁹</p>

LCD Panel/Illumination	Yes/Yes
Water/Dust Resistance	Yes 20
Voice Memo	Yes
Intelligent Orientation Sensor	Yes
Playback Zoom	1.5x - 10x in 15 steps / on high resolution image (Upscaled image): 1.5x to 35x (22 levels)
Display Formats	<p>(1) Single image</p> <p>(2) Single image with information (2 levels)</p> <p> Basic - Shooting information (shutter speed, aperture, ISO and Image quality)</p> <p> Detailed - Shooting information (shutter speed, aperture, ISO, metering Image, quality and file size), Lens information,</p> <p> Brightness and RGB histogram, Waveform monitor(movie mode only), White balance, Picture Style, Colour space and noise reduction, Lens optical correction, GPS information, IPTC information</p> <p>(3) 4 image index</p> <p>(4) 9 image index</p> <p>(5) 36 image index</p> <p>(6) 100 image index</p> <p>(7) Jump Display (1, 10 or 100 images, start of burst sequence Date, Folder, Movies, Stills, Protected images, Rating)</p> <p>(8) Movie edit</p> <p>(9) RAW processing</p> <p>(10) Rating</p>
Slide Show	<p>Image selection: All images, by Date, by Folder, Movies, Stills, Protected images or Rating</p> <p>Playback time: 1/2/3/5/10 or 20 seconds</p>
Histogram	Repeat: On/Off
Highlight Alert	Brightness: Yes RGB: Yes
Image Erase	Yes
Image Erase Protection	<p>Select and erase images / Select range / All images in folder / All images on card / All found images (only during image search), Images transmitted via FTP</p> <p>Erase protection of Select images / Select range / All images in folder / Unprotect all images in folder / All images on card / Unprotect all images on card / All found images / Unprotect all found images (only during image search)</p>

Self Timer	2 or 10 sec.
Menu Categories	<ul style="list-style-type: none"> (1) Shooting menu (2) AF Menu (3) Playback menu (4) Communication Function (Network) (5) Function settings (Setup menu) (6) Customize controls (7) Custom Functions menu (8) My Menu
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 using Camera Connect app or EOS Utility (Camera, Lens, External Speedlite, BLE remote control, Lens adapter, Power zoom adapter, multi-function shoe compatible accessories)
INTERFACE	
Computer	SuperSpeed Plus USB 3.2 Gen 2 USB Type-C® connector
Wi-Fi	Wireless LAN (IEEE 802.11ax 2x2 MIMO) (6 GHz / 5 GHz / 2.4 GHz)21, with Bluetooth 5.3 support
Other	HDMI out (Type A, HDMI-CEC not supported), RJ-45 Ethernet terminal for 2.5 GBASE-T wired LAN, External Microphone In (Stereo mini jack), Headphone socket (Stereo mini jack), N3-type terminal (remote control terminal), PC Sync terminal.
	GPS:
	GPS satellites (American)
	GLONASS satellites (Russian)
	MICHIBIKI Quasi-Zenith Satellites (Japanese)
DIRECT PRINT Canon Printers PictBridge	Not supported
STORAGE	
Type	1x CFexpress type B maximum capacity 2TB (compatible with CFexpress 2.0 and VPG400)
	1x SD/SDHC/SDXC and UHS-II

SUPPORTED OPERATING SYSTEM	
PC	Windows 10 and Windows 11 (tablet mode not supported)
Macintosh	macOS 12 / 13 /14
SOFTWARE	
Image Processing	Digital Photo Professional 4.19.10 or later
Other	Digital Photo Professional Express mobile app 1.10.10 or later (iOS only) EOS Utility 3.18.10 or later (incl. Remote Capture), Picture Style Editor, EOS Lens Registration Tool, EOS Web Service Registration Tool, Canon Camera connect app 3.2.10 or later (iOS/Android), Content Transfer Professional app (iOS/Android).
POWER SOURCE	
Batteries	Rechargeable Li-ion Battery LP-E6P (supplied) ²²
Battery Life	With LCD Approx. 630 shots (at 23°C) ²³ With Viewfinder Approx. 340 shots (at 23°C) ²³
Battery Indicator	6 levels + percentage
Power Saving	Power turns off after 30 seconds, 1, 3, 5, 10 or 30mins
Power Supply & Battery Chargers	Battery charger LC-E6E (supplied), Car Battery Charger CBC-E6, CD Coupler DR-E6P ²⁴ , PD-E2 USB power adapter, PD-E1 USB power adapter ²⁵
ACCESSORIES	
Wireless File Transmitter	
Cases / Straps	
Lenses	All RF and RF-S lenses (EF & EF-S via Lens adapters)
Lens Adapters	EF TO EOS R ADAPTER, EF TO EOS R ADAPTER WITH CONTROL RING, EF TO EOS R Drop in filter ADAPTER
Flash	Canon Speedlite (EL-126, EL-5 EL-100, 90EX, 220EX, 270EX, 270EX II, 320EX, 380EX, 420EX, 430EX, 430EX II, 430EX III 470EX-AI, 550EX, 580EX ²⁶ , 580EX II ²⁶ , 600EX ²⁶ , 600EX-RT ²⁶ , 600EX-II-RT ²⁶ , 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 ²⁶ , Speedlite Transmitter ST-E3-RT V ²²⁶ , Speedlite Transmitter ST- E10)
Battery Grip	BG-R20 battery grip ²⁷ , BG-R20EP battery grip ²⁸ , CF-R20EP Cooling Fan ²⁹
Remote Controller/Switch	Remote Switch RS-80N3, Timer Remote Controller TC-80N3, Remote control with N3 type socket, Speedlite 600EX-II-RT. Speedlite EL-1 and BR-E1 Bluetooth remote
Other	GP-E2 GPS receiver ³⁰ (digital compass not supported), Eyecup ER-KE, Multi-Function Shoe Adapter AD- E1, Multi-Function Shoe Directional Stereo Microphone DM-E1D (Mic), Multi-Function Shoe Adapter for Smartphone Link AD-P1 for Android, Stereo Microphone DM-E1 / DM-E100, Tascam CA-XLR2d-C XLR microphone adapter, Rain Cover small ERC-R5S, Rain Cover large

	ERC-R5L, Protecting Cloth PC-E1, Hand Strap E2, Shoe cover ER-SC1, Shoe cover ER-SC2, Shoe cover ER-SC3, Tripod Grip HG-100TBR31, Interface Cable IFC-100U, Interface Cable IFC-400U
PHYSICAL SPECIFICATIONS	
Body Materials	Magnesium Alloy body and Chassis with some components consisting of polycarbonate with glass fibre
Operating Environment	1 – 40 °C, 85% or less humidity
Dimensions (WxHxD)	Approx. 138.5x101.2x93.5 mm
Weight (body only)	Approx. 656 g (746 g with card and battery)

FOOTNOTES

- ¹ Yaw, pitch, and roll image stabilization performance, based on the CIPA 2024 standard with RF 24-105mm F2.8 L IS USM Z at a focal length of 105mm
 - ² The AF area available vary depending on the lens used. For lens related details, please refer to [Supplemental Information] for [EOS R5 Mark II] in "<https://cam.start.canon>".
 - 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 Only available for still photos and electronic shutter. If the person's size on the screen is small, or if part of the subject is hidden or multiple subjects are crowded together, identification accuracy may decrease.
 - ⁵ Recommended Exposure Index. Expanded ISO speeds are not available when [HDR shooting (PQ): HDR PQ] is set.
 - ⁶ with 50mm lens at infinity, -1m-1 dpt
 - ⁷ Low light AF performance will be reduced when supress low frames is used
 - ⁸ When using EL/EX Speedlite and [Sync speed priority: Enable] is set
 - ⁹ Under Canon testing standards with CFexpress/SD card and during servo AF, only RF lenses and some EF lenses can be used for continuous shooting at the maximum speed. The continuous shooting speed may be reduced by the lens, shutter speed, aperture, flash, subject conditions, and brightness (for example, when shooting in a dark place). Continuous shooting speed is slower when flicker is detected, even if anti-flicker shooting is off. For more details please see the User's Guide at "<https://cam.start.canon>"
 - ¹⁰ Supported images: JPEG / HEIF images, Upscaled images can be cropped. The following images cannot be in-camera upscaled: RAW/C-RAW images, Images shot with a camera that is not the same model, Images resized or cropped by a camera, computer, or other device, In-camera upscaled images, Image size: Other than L, [Cropping/aspect ratio]: Other than Full-frame, Images shot with cropped shooting using an RF-S or EF-S lens, Images frame grabbed from movies, Images shot with the [Dual shooting (still&movie): On] setting.
- It may take some time for processing images. Shooting is not possible until the image processing finishes.
- ¹¹ Recording is possible only when using an CFexpress card.

* When using the power source other than LP-E6P/DR-E6P, some restrictions will apply. For more details please see the User's Guide at "<https://cam.start.canon>"

- ¹² HDR movie mode is not available when recording RAW movies.

If the camera's internal temperature becomes too high the maximum recording time will be reduced

8K UHD, 4K UHD and Full HD are 94% horizontal coverage of the image area, RAW, SRAW, 8K DCI, 4K DCI and 2K DCI are 100%, DCI movie cropping mode is 62.1% and UHD/HD movie cropping mode is 58.1% of the horizontal area.

- ¹³ If the camera's internal temperature becomes too high the maximum recording time will be reduced
- ¹⁴ With [High Frame Rate: Disable] setting, movie is recorded with audio and the movie is played back at actual speed. With [High Frame Rate: Enable] setting, no audio is recorded and the movie is played in slow motion at 29.97 fps (NTSC) /25.00 fps (PAL) when played back. Only exFAT-formatted cards can be used for recording (recording to FAT32-formatted cards is not possible).
- ¹⁵ The camera cannot frame grab still photos from RAW movies and movies recorded when [Custom Picture: On] is set.

In-camera resizing or cropping and in-camera upscaling are not available for frame-grabbed still photos.

- ¹⁶ Movie recording does not stop during still photo shooting. Movies are recorded to card 1, and still photos are recorded to card 2 (a card needs to be inserted in each slot).

The settings during movie recording are applied to still photos. AF/AE operates with the settings suitable for movie recording. The colour tone may differ from that of normal still photos depending on the timing of still photo shooting. Additional restrictions may apply for more details please see the User's Guide. (<https://cam.start.canon>)

- ¹⁷ HDMI CEC not supported
- ¹⁸ 8K and 4K ProRes RAW: For compatibility with external recorders please check the external recorder manufacturer sites.
- ¹⁹ Blur/out-of-focus detection may not be performed for some scenes or subjects, or results may be inaccurate. Only JPEG or HEIF images are evaluated, and only when the camera is set to use the electronic shutter and detect people or eyes.
- ²⁰ Although the camera features dust- and water-resistant construction, this cannot completely prevent dust or water droplets from entering the camera. To ensure adequate weather sealing, the supplied shoe cover should be used unless a weather sealed accessory is inserted in the Multi Function shoe.
- ²¹ Wi-Fi use may be restricted in certain countries or regions

6GHz is infrastructure only and camera AP is not supported.

- ²² LP-E6 cannot be used. Use of LP-E6P is recommended. When using the LP-E6NH/LP-E6N, the network (Wi-Fi/Ethernet) functions and multi-function shoe accessories that require heavy power supply from the camera cannot be used. Pre-continuous shooting, HDMI RAW output, and dual shooting (still & movie) are not available. Continuous shooting speed may be reduced. During movie recording, resolution, image quality, and frame rate are limited. For details, refer to Supplemental Information for EOS R5 Mark II on the Canon website (<http://cam.start.canon>).
- ²³ Based on the CIPA Standard and using the battery supplied with the camera, except where indicated. In power saving mode
- ²⁴ DR-E6 cannot be used. The combination of DR-E6P and PD-E1 cannot be used. AC Adapter Kit ACK-E6 cannot be used.



²⁵ If you are concerned about battery consumption during power supply, using a PD-E2 USB power adapter with high power supply capability is recommended.

²⁶ Must use Multi-Function Shoe Adapter AD- E1 to retain weather sealing

²⁷ Some restrictions may apply. For more details please see the User's Guide at "<https://cam.start.canon>"

²⁸ When BG-R20 battery grip is used with LP-E6NH/LP-E6N, network connectivity (Wi-Fi/Ethernet) and camera accessories designed for a multi-function shoe that require considerable power from the camera cannot be used. Pre-continuous shooting, HDMI RAW output, and still photo shooting during movie recording are not available. Continuous shooting speed may be slower. For movies, limitations apply to resolution, recording size (quality), and frame rate.

²⁹ When BG-R20EP battery grip is used with LP-E6NH/LP-E6N, network connectivity (Wi-Fi/Ethernet) and camera accessories designed for a multi-function shoe that require considerable power from the camera cannot be used. Pre-continuous shooting, HDMI RAW output, and still photo shooting during movie recording are not available. Continuous shooting speed may be slower. For movies, limitations apply to resolution, recording size (quality), and frame rate.

Wired LAN functionality is not available when using BG-R20EP battery grip with cameras released before July 2024. It can be used only as a grip.

³⁰ Cannot be connected using an interface cable.

Requires Multi-Function Shoe Adapter AD-E1.

³¹ Total weight including camera, lens, microphone, and other accessories should not exceed 1 kg / 35.3 oz. Some lenses may block sound in the shooting environment from external microphones, which may prevent sound from being picked up correctly.

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