

## Canon EOS R1 Specification

### [Canon EOS R1 Body](#)

<b>IMAGE SENSOR</b>	
<b>Type</b>	36 x 24 mm Full Frame back-illuminated stacked CMOS sensor
<b>Effective Pixels</b>	Approx. 24.2 megapixels
<b>Total Pixels</b>	Approx. 26.7 megapixels
<b>Aspect Ratio</b>	3:2
<b>Low-Pass Filter</b>	Built-in/Fixed
<b>Sensor Cleaning</b>	EOS integrated cleaning system
<b>Colour Filter Type</b>	RGB Primary Colour
<b>Sensor Shift-IS</b>	Yes, up to 8.5-Stops advantage at the center and 7.5-stops peripheral depending on the lens used <sup>1</sup>
<b>IMAGE PROCESSOR</b>	
<b>Type</b>	DIGIC Accelerator and DIGIC X
<b>LENS</b>	
<b>Lens Mount</b>	RF/RF-S (EF and EF-S lenses can be attached using EF TO EOS R ADAPTER, EF TO EOS R ADAPTER WITH CONTROL RING, EF TO EOS R Drop in filter ADAPTER, EF-M lenses not compatible)
<b>Focal Length</b>	Equivalent to 1.0x the focal length of the lens with RF and EF lenses, 1.6x with EF-S and RF-S lenses.
<b>Image Stabilisation</b>	
<b>FOCUSING</b>	
<b>Type</b>	Dual Pixel Intelligent AF
<b>AF System/Points</b>	Cross-type AF <sup>2</sup> with area 100% horizontal and 100% vertical possible depending on the lens attached.

<b>AF Working Range</b>	EV -7.5 – 21 (at 23°C & ISO100) <sup>3</sup>
<b>AF Modes</b>	One Shot Servo AF
<b>AF Point Selection</b>	Automatic selection: 1053 (975 Movies) Available AF areas when automatically selected Manual selection: Spot AF Manual selection: 1-point AF (AF frame size can be changed) 4368 AF positions available stills (3354 Movies) Manual selection: AF point Expansion 4 points (up, down, left, right) Manual selection: AF point Expansion surrounding 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) Manual selection: Whole area AF Manual selection: Spot AF (Whole area tracking servo AF OFF) Manual selection: 1-point AF (Whole area tracking servo AF OFF) Manual selection: AF point Expansion 4 points (up, down, left, right) (Whole area tracking servo AF OFF) Manual selection: AF point Expansion surrounding (Whole area tracking servo AF OFF)
<b>AF Tracking</b>	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 Priority <sup>4</sup> Football, Basketball, Volleyball Supported actions: - Football: Shoot, header, short pass, long pass, dribble, clear,

	<p>place kick, save by keeper, throw in, sliding tackle</p> <ul style="list-style-type: none"> <li>- Basketball: Shoot, rebound, pass, dribble, free throw, jump ball</li> <li>- Volleyball: Spike, toss, receive, serve</li> </ul>
<b>AF Lock</b>	<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 <sup>5</sup></p>
<b>AF Assist Beam</b>	<p>Emitted by built in LED or optional dedicated Speedlite (flash)</p>
<b>Manual Focus</b>	<p>Selected on lens</p>
<b>EXPOSURE CONTROL</b>	
<b>Metering Modes</b>	<p>Real-time with image sensor, 6144-zone metering.</p> <ul style="list-style-type: none"> <li>(1) Evaluative metering (linked to All AF points)</li> <li>(2) Partial metering (Approx. 10% of screen at centre)</li> <li>(3) Spot metering: Centre spot metering (Approx. 5% screen at centre) AF point-linked spot metering not provided</li> <li>(4) Centre weighted average metering</li> </ul>
<b>Metering Brightness Range</b>	<p>EV -3 – 20 (at 23°C, ISO100, with evaluative metering)</p>
<b>AE Lock</b>	<p>Auto: AE lock takes effect when focus is achieved Manual: By AE lock button in P, Av, Fv, Tv and M modes</p>
<b>Exposure Compensation</b>	<p>+/-3 EV in 1/3 or 1/2 stop increments (can be combined with AEB)</p>
<b>AEB</b>	<p>+/-3 EV in 1/3 or 1/2 stop increments</p>
<b>Anti-Flicker Shooting</b>	<p>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</p>

<p><b>ISO Sensitivity</b></p>	<p>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.</p> <p>Auto 100-102400 (in 1/3-stop or whole stop increments)          ISO can be expanded to L:50, H1:204800, H2:409600<sup>6</sup></p>
<p><b>SHUTTER</b></p> <p><b>Type</b></p> <p><b>Speed</b></p>	<p>Electronically controlled focal-plane shutter and Electronic shutter function in sensor</p> <p>Mechanical / Electronic 1st-curtain: 30-1/8000 sec (1/2 or 1/3 stop increments), Bulb          Electronic: 30-1/64000 (1/2 or 1/3 stop increments up to 1/16000 then 1 stop until 1/64000), Bulb          (Total shutter speed range. Available range varies by shooting mode)</p>
<p><b>Shutter Release</b></p>	<p>Soft touch electromagnetic release</p>
<p><b>WHITE BALANCE</b></p> <p><b>Type</b></p>	<p>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</p>

<b>Settings</b>	White balance compensation: 1. Blue/Amber +/-9 2. Magenta/Green +/-9
<b>Custom White Balance</b>	Yes, 5 setting can be registered
<b>WB Bracketing</b>	'+/-3 levels in single level increments 3, 2, 5 or 7 bracketed images per shutter release Selectable Blue/Amber bias or Magenta/Green bias
<b>VIEWFINDER</b>	
<b>Type</b>	0.64-inch OLED colour EVF
<b>Dot Count</b>	9.44 million dots (2048x1536)
<b>Coverage (Vertical/Horizontal)</b>	Approx. 100%
<b>Magnification</b>	Adjustable Standard: Approx. 0.9x <sup>7</sup> / Reduce 1: Approx. 0.8x/ Reduce 2: Approx. 0.7x
<b>Eyepoint</b>	Approx. 25mm (from eyepiece lens centre)
<b>Dioptre Correction</b>	-4 to +2 m-1 (diopetre)
<b>Display performance</b>	Power saving: 59.94 fps Smooth 119.98 fps , suppress low frame rate 60 -119.8fps <sup>8</sup> (7 level of brightness)
<b>Viewfinder Information</b>	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, Battery level (%) display, Card free space (%) display, AF operation, Exposure simulation, Drive mode,

<b>Depth of Field Preview Eyepiece Shutter</b>	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, Time Yes, via customised button
<b>LCD MONITOR</b>	
<b>Type</b>	8.0 cm (3.2") TFT colour LCD, Approx. 2.1 million dots
<b>Coverage</b>	Approx. 100%
<b>Viewing Angle Horizontally/Vertically</b>	Approx. 170° vertically and horizontally
<b>Coating</b>	Anti-smudge.
<b>Brightness Adjustment</b>	Manual: Adjustable to one of seven levels Colour Tone Adjustment: 4 settings
<b>Touch-Screen Operations</b>	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.
<b>Display Options</b>	(1) Basic Camera settings (2) Advance Camera settings (3) Camera settings plus histogram and dual level display (4) No info (5) Quick Control Screen (6) Display off
<b>FLASH</b>	

<b>Built-in Flash GN (ISO 100, meters)</b>	
<b>Built-in Flash Coverage</b>	
<b>Built-in Flash Recycle Time</b>	
<b>Modes</b>	E-TTL II Auto Flash, Metered Manual
<b>Red-Eye Reduction</b>	
<b>X-Sync</b>	When [Cropping/aspect ratio: Full-frame/1:1/4:3/16:9] is set: 1/200 sec mechanical shutter / 1/320 electronic 1st curtain, 1/400 sec Electronic shutter When [Cropping/aspect ratio: 1.6x (crop)] is set: 1/250 sec mechanical shutter / 1/400 electronic 1st curtain, 1/500 sec Electronic shutter <sup>9</sup>
<b>Flash Exposure Compensation</b>	'+/- 3EV in 1/3 increments with EX and EL series Speedlite flashes
<b>Flash Exposure Bracketing</b>	Yes, with compatible External Flash
<b>Flash Exposure Lock</b>	Yes
<b>Second Curtain Synchronisation</b>	Yes, via Speedlite
<b>Multi-Function shoe/Hot Shoe/PC Terminal</b>	Yes/Yes/Yes
<b>External Flash Compatibility</b>	E-TTL II with EX/EL series Speedlite, wireless multi-flash support
<b>External Flash Control</b>	via camera menu screen
<b>SHOOTING Modes</b>	Stills; Flexible priority AE, Program AE, Shutter priority AE, Aperture priority AE, Manual, Bulb and Custom (x3) Movie: Program AE, Shutter priority AE, Aperture priority AE, Manual, and Custom (x3)
<b>Picture Styles</b>	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral,

**Colour Space**

Faithful, Monochrome, User Defined (x3)  
SDR: sRGB and Adobe RGB HDR  
PQ: BT.2020  
Highlight Tone Priority (3 settings)  
Auto Lighting Optimizer (4 settings)  
Long exposure noise reduction  
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)  
Focus Bracketing and in camera composition

**Drive Modes**

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 maintained for 1000+ JPEG or 1000+ RAW images or 40 FPS with electronic shutter speed maintained for 500 JPEG or 230 RAW images<sup>10</sup>.  
 Custom Continuous shooting speed with Electronic shutter selectable options 40 / 30 / 20 / 15 / 12 / 10 / 7.5 / 5 / 3 / 2 / 1 FPS depending on the drive mode.

Pre-Continuous shooting is possible from 20 shots before the shutter button is fully pressed when the AF is on for 20 shots or more.

**Interval Timer**

Built in

**FILE TYPE - STILLS**

**Still Image Type**

RAW 14 bit: RAW and C-RAW (Canon original RAW 3rd edition)  
 JPEG 8 bit: 10 compression options  
 HEIF 10 bit: 10 compression options  
 Complies with Exif 2.31 and Design rule for Camera File system 2.0  
 Complies with Digital Print Order Format [DPOF] Version 1.1

**RAW+JPEG/HEIF Simultaneous Recording**

Yes, any combination of RAW + JPEG or RAW + HEIF possible

**Image Size**

RAW/ C-RAW:  
 3:2 ratio 6000x4000, 1.6x (crop) 3744x2496  
 JPEG/ HEIF:  
 3:2 ratio (L) 6000x4000, (M) 3984x2656, (S1) 2976x1984, (S2) 2400x1600  
 1.6x (crop) (L) 3744x2496, (S2) 2400x1600  
 4:3 ratio (L) 5328x4000, (M) 3552x2664, (S1) 2656x1992, (S2) 2112x1600

	<p>16:9 ratio (L) 6000x3368, (M) 3984x2240, (S1) 2976x1680, (S2) 2400x1344</p> <p>1:1 ratio (L) 4000x4000, (M) 2656x2656, (S1) 1984x1984, (S2) 1600x1600</p> <p>In-camera Neural Network Upscaling up to 12000x8000 (96MP)<sup>11</sup></p>
<b>Folders</b>	<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>
<b>File Numbering</b>	<p>(1) Consecutive numbering</p> <p>(2) Auto-reset</p> <p>(3) Manual reset</p>
<b>File Naming</b>	<p><b>Still:</b></p> <p>Preset code Unique 4-digit character string + 4-digit file number</p> <p>2 User Presets</p> <p><b>Movie:</b></p> <p>Adopting the XF-HEVC S / XF-AVC S format</p> <p>Camera index, Reel number, Clip number, Codec type, Shooting start date, Shooting start time, Random ID, User defined 5 characters, Stream number, (Proxy)</p>
<b>EOS MOVIE</b>	
<b>Movie Type</b>	<p>MP4 Video: 4K DCI/ UHD (17:9 / 16:9), Full HD (16:9)</p> <p>4K/ Full HD: HEVC S/H.265, Audio: Linear PCM / AAC</p> <p>4K/ Full HD: MPEG-4 AVC S/H.264, Audio: Linear PCM / AAC</p> <p>6K RAW: 12-bit CRM Audio: Linear PCM / AAC</p>
<b>Movie Size</b>	<p>6K DCI (17:9) 6000 x 3164 (59.94, 50, 29.97, 25, 24, 23.98 fps) RAW, Light RAW</p> <p>4K DCI (17:9) 4096 x 2160 (59.94, 50, 29.97, 25, 24, 23.98 fps) LGOP / High Quality intra frame / intra frame / light intra frame</p>

	<p>4K UHD (16:9) 3840 x 2160          (119.88, 100, 59.94, 50, 29.97,          25, 23.98 fps) LGOP / High          Quality intra frame / intra          frame / light intra frame<sup>12</sup>          2K DCI (17:9) 2048 x 1080          (239.76, 200, 119.88, 100,          59.94, 50, 29.97, 25, 24, 23.98          fps) LGOP / intra frame          Full HD (16:9) 1920 x 1080          (239.76, 200, 119.88, 100,          59.94, 50, 29.97, 25, 23.98 fps)          LGOP / intra frame          Proxy recording:          XF-AVC S YCC420 8bit 2K-DCI or          Full HD (same angle of view          and frame rate up to 100fps as          main movie) Standard LGOP /          Light LGOP          XF-HEVC S YCC420 10bit 2K-DCI          or Full HD (same angle of view          and frame rate up to 100fps as          main movie) Standard LGOP /          Light LGOP</p>
<b>Colour Sampling (Internal recording)</b>	6K RAW 12bit, 4K/2K/Full HD - YCbCr4:2:0 8-bit or YCbCr4:2:2 10bit
<b>Canon Log</b>	<p>Custom Picture:          C1: Canon 709          C2: Canon Log 2          C3: Canon Log 3          C4: PQ          C5: HLG          C6: BT.709 Standard          C7 - C20: User Defined          Picture Styles: Auto, Standard,          Portrait, Landscape, Fine Detail,          Neutral, Faithful, Monochrome,          User Defined (x3)</p>
<b>Movie Length</b>	<p>Max duration 6 hours.          (excluding High Frame Rate          movies). No 4 GB file limit with          exFAT formatted card.<sup>13</sup></p>
<b>High Frame Rate Movie</b>	<p>MP4 Video:          4K – DCI 4096x2160 / UHD          3840x2160 at 119.9 / 100 fps          Full HD 1920 x1080 at 239.76 /          200fps<sup>14</sup></p>
<b>Frame Grab</b>	8.8-megapixel JPEG still image frame grab from 4K DCI movie possible

8.3-megapixel JPEG still image frame grab from 4K UHD movie possible (HEIF only possible when HDR PQ is set)<sup>15</sup>  
 Dual Shooting (Still & Movie):<sup>16</sup>  
 Movie Output:  
 Main recording format: XF-AVC S YCC420 8bit  
 Movie recording size: Full HD (Normal) at 59.94p / 29.97p / 50p / 25p (LGOP)  
 Still Drive mode (JPEG only at the resolution of 17MP(5616×3168) and Aspect ratio: Approx. 16:9):  
 High speed (Max. approx. 10 shots/sec. (NTSC), Max. approx. 8.3 shots/sec. (PAL))  
 Low speed (Max. approx. 5.0 shots/sec. (NTSC), Max. approx. 4.1 shots/sec. (PAL))  
 Single shooting

**Bitrate/Mbps**

CRM:  
 6K RAW (50p): Approx. 2600 Mbps  
 6K RAW (29.97p): Approx. 2000 Mbps  
 6K RAW (25p): Approx. 1670 Mbps  
 6K RAW (24p/23.98p): Approx. 1600 Mbps  
 6K Light RAW (59.97p): Approx. 1800 Mbps  
 6K Light RAW (50p): Approx. 1500 Mbps  
 6K Light RAW (29.97p): Approx. 900 Mbps  
 6K Light RAW (25p): Approx. 750 Mbps  
 6K Light RAW (24p/23.98p): Approx. 720 Mbps  
 MP4:  
 4K DCI/UHD Fine/Normal (Oversampled from 6K/Not oversampled)  
 XF-HEVC S YCC422 10bit Standard LGOP  
 59.94p/50p: Approx. 225 Mbps  
 29.97p/25p/24p/23.98p: Approx. 135 Mbps  
 XF-HEVC S YCC420 10bit Standard LGOP



59.94p/50p: Approx. 150 Mbps  
29.97p/25p/24p/23.98p: Approx.

100 Mbps

XF-AVC S YCC420 8bit Standard

LGOP

59.94p/50.00p: Approx. 150 Mbps  
29.97p/25p/24p/23.98p: Approx.

100 Mbps

XF-AVC S YCC422 10bit High Quality

Intra

59.94p: Approx. 1200 Mbps  
50p: Approx. 1000 Mbps  
29.97p: Approx. 600 Mbps  
25p: Approx. 500 Mbps  
24p / 23.98p: Approx. 480 Mbps

XF-AVC S YCC422 10bit Standard

Intra

59.94p: Approx. 900 Mbps  
50p: Approx. 750 Mbps  
29.97p: Approx. 450 Mbps  
25p: Approx. 375 Mbps  
24p / 23.98p: Approx. 360 Mbps

XF-AVC S YCC422 10bit Light Intra

59.94p: Approx. 600 Mbps  
50p: Approx. 500 Mbps  
29.97p: Approx. 300 Mbps  
25p: Approx. 250 Mbps  
24p / 23.98p: Approx. 240 Mbps

XF-AVC S YCC422 10bit Standard

LGOP

59.94p/50p: Approx. 250 Mbps  
29.97p/25p/24p/23.98p: Approx.

150 Mbps

4K DCI/UHD Normal (Not  
oversampled)

XF-HEVC S YCC422 10bit Standard

LGOP

119.88p/100p: Approx. 450 Mbps

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

119.88p/100p: Approx. 300 Mbps

XF-AVC S YCC422 10bit Standard

Intra

119.88p/100p: Approx.

1800/1500 Mbps

XF-AVC S YCC422 10bit Light Intra

119.88p/100p: Approx.

1200/1000 Mbps

XF-AVC S YCC422 10bit Standard

LGOP

119.88p/100p: Approx. 500 Mbps

2K DCI/FullHD Fine/Normal  
(Oversampled from 4K/Not  
oversampled)  
XF-HEVC S YCC422 10bit Standard  
LGOP

59.94p/50p/29.97p/25p/24p/23.98p:  
Approx. 50 Mbps  
XF-HEVC S YCC420 10bit / XF-AVC S  
YCC420 8bit Standard LGOP

59.94p/50p/29.97p/25p/24p/23.98p:  
Approx. 35 Mbps  
XF-AVC S YCC422 10bit Standard  
Intra  
59.94p: Approx. 300 Mbps  
50p: Approx. 350 Mbps  
29.97p: Approx. 150 Mbps  
25p: Approx. 125 Mbps  
24p / 23.98p: Approx. 120 Mbps  
XF-AVC S YCC422 10bit Standard  
LGOP

59.94p/50p/29.97p/25p/24p/23.98p:  
Approx. 50 Mbps  
2K DCI/FullHD Normal (Not  
oversampled)  
XF-HEVC S YCC422 10bit Standard  
LGOP

239.76p/200p: Approx. 200 Mbps  
119.88p/100p: Approx. 100 Mbps  
XF-HEVC S YCC420 10bit / XF-AVC S  
YCC420 8bit Standard LGOP

239.76p/200p: Approx. 140 Mbps  
119.88p/100p: Approx. 70 Mbps  
XF-AVC S YCC422 10bit Standard

Intra  
239.76p/200p: Approx. 1200  
Mbps

119.88p/100p: Approx. 1000  
Mbps

XF-AVC S YCC422 10bit Standard  
LGOP

239.76p/200p: Approx. 200 Mbps  
119.88p/100p: Approx. 100 Mbps

Proxy Recording Bit rates:

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

59.94p/50p/29.97p/25p/24p/23.98p:  
Approx. 16 Mbps

	<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>
<b>Microphone</b>	<p>Built-in mono microphone (48 KHz, 24 / 16-bit x 2 channels)</p> <p>Audio format: LPCM / 24 bit / 4CH AAC / 16 bit / 2CH</p>
<b>Dual Card recording</b>	<p>Yes (including Proxy recording)</p>
<b>HDMI Display</b>	<p>Output to external monitor only (output of images and shooting information, images are recorded to the card)</p> <p>Camera screen and External Monitor output (Simultaneous recording to camera and external recorder, camera screen shows images with shooting information)<sup>17</sup></p>
<b>HDMI Output</b>	<p>4K (DCI) 59.94p / 50.00p/29.97p /25.00p/24.00p/ 23.98p 4K (UHD) 59.94p / 50.00p/ 29.97p / 25.00p / 23.98p Full HD 59.94p / 60i / 59.94i, 50.00p / 50.00i, 24p 480p 59.94p 576p 50p Uncompressed YCbCr 4:2:2, 10-bit, sound output via HDMI is also possible</p>
<b>Focusing</b>	<p>Dual Pixel Intelligent AF with Eye/Face Detection and Tracking AF (people, animals and vehicles) , Movie Servo AF, Manual Focus</p>
<b>ISO</b>	<p>Auto: 100-32000, H: up to 204800 (when custom picture is off) Manual: 100-32000, H: up to 204800 (when custom picture is off)</p>
<b>OTHER FEATURES</b>	
<b>NETWORK OPTIONS</b>	<p>Communication functions: - Via Wi-Fi: FTP, FTPS, SFTP, EOS Utility, image.canon, Sync time between cameras, Camera</p>

	<p>Connect, Streaming services, Content Transfer Professional, Linked shooting, Camera Control API</p> <ul style="list-style-type: none"> <li>- Via Bluetooth: Camera Connect, BR-E1</li> <li>- Via USB: EOS Utility, Camera Connect, Content Transfer Professional, Video calls/streaming (UVC/UAC)</li> <li>- Via Ethernet: FTP, FTPS, SFTP, EOS Utility, Sync time between cameras, Camera Control API</li> </ul> <p>Simultaneous use of communication functions:</p> <ul style="list-style-type: none"> <li>- FTP (wireless LAN) + EOS Utility (wireless LAN)</li> <li>- FTP (wired LAN) + EOS Utility (wired LAN)</li> <li>- FTP (wireless LAN) + EOS Utility (USB)</li> <li>- FTP (wired LAN) + EOS Utility (USB)</li> </ul>
<b>Custom Functions</b>	
<b>Metadata Tag</b>	<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 data<sup>18</sup></p>
<b>LCD Panel/Illumination</b>	Yes/Yes
<b>Water/Dust Resistance</b>	Yes <sup>19</sup>
<b>Voice Memo</b>	Yes
<b>Intelligent Orientation Sensor</b>	Yes
<b>Playback Zoom</b>	1.5x - 10x in 15 steps / on high resolution image (Upscaled image): 1.5x to 35x (22 levels)
<b>Display Formats</b>	(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, Colour 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, start of burst sequence

Date, Folder, Movies, Stills, Protected images, Rating)

(8) Movie edit

(9) RAW processing

(10) Rating

**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

**Histogram**

Brightness: Yes

RGB: Yes

**Highlight Alert**

Yes

**Image Erase**

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

**Image Erase Protection**

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)

**Self Timer**

2 or 10 sec.

<b>Menu Categories</b>	<ul style="list-style-type: none"> <li>(1) Shooting menu</li> <li>(2) AF Menu</li> <li>(3) Playback menu</li> <li>(4) Communication Function (Network)</li> <li>(5) Function settings (Setup menu)</li> <li>(6) Customize controls</li> <li>(7) Custom Functions menu</li> <li>(8) My Menu</li> </ul>
<b>Menu Languages</b>	<p>29 Languages</p> <p>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</p>
<b>Firmware Update</b>	<p>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)</p>
<b>INTERFACE</b>	
<b>Computer</b>	<p>SuperSpeed Plus USB 3.2 Gen 2 USB Type-C<sup>®</sup> connector</p>
<b>Wi-Fi</b>	<p>Wireless LAN (IEEE 802.11ax 2×2 MIMO) (6 GHz / 5 GHz / 2.4 GHz)<sup>20</sup>, with Bluetooth 5.3 support</p>
<b>Other</b>	<p>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.</p> <p>GPS:</p> <p>GPS satellites (American)  GLONASS satellites (Russian)  MICHIBIKI Quasi-Zenith Satellites (Japanese)</p>

**DIRECT PRINT**
**Canon Printers**
**PictBridge**

Not supported

**STORAGE**
**Type**

2x CFexpress type B maximum capacity 2TB (compatible with CFexpress 2.0 and VPG400)

**SUPPORTED**
**OPERATING**
**SYSTEM**
**PC**

Windows 10 and Windows 11 (tablet mode not supported)

**Macintosh**

macOS 12 / 13 /14

**SOFTWARE**
**Image Processing**

Digital Photo Professional 4.19.30 or later  
 Digital Photo Professional Express mobile app 1.10.20 or later (iOS only)

**Other**

EOS Utility 3.18.40 or later (incl. Remote Capture), Picture Style Editor, EOS Lens Registration Tool, EOS Web Service Registration Tool, Canon Camera connect app 3.2.30 or later (iOS/Android), Content Transfer Professional app (iOS/Android).

**POWER SOURCE**
**Batteries**

Rechargeable Li-ion Battery LP-E19 (supplied)<sup>21</sup>

**Battery Life**

With LCD Approx.1330 shots (at 23°C)

With Viewfinder Approx. 700 shots (at 23°C)<sup>22</sup>

**Battery Indicator**

6 levels + percentage

**Power Saving**

Power turns off after 15 seconds, 30 seconds, 1, 3, 5, 10 or 30 mins

**Power Supply & Battery Chargers**

Battery charger LC-E19E (supplied), AC Adapter AC-E19 and DC Coupler DR-E19, PD-E2 USB power adapter, PD-E1 USB power adapter<sup>23</sup>

**ACCESSORIES**
**Wireless File Transmitter**

None

<b>Cases / Straps</b>	
<b>Lenses</b>	All RF and RF-S lenses (EF & EF-S via Lens adapters)
<b>Lens Adapters</b>	EF TO EOS R ADAPTER, EF TO EOS R ADAPTER WITH CONTROL RING, EF TO EOS R Drop in filter ADAPTER
<b>Flash</b>	Canon Speedlite (EL-1 <sup>24</sup> , EL-5 EL-100, 90EX, 220EX, 270EX, 270EX II, 320EX, 380EX, 420EX, 430EX, 430EX II, 430EX III 470EX-AI, 550EX, 580EX <sup>24</sup> , 580EX II <sup>24</sup> , 600EX <sup>24</sup> , 600EX-RT <sup>24</sup> , 600EX-II-RT <sup>24</sup> , 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 <sup>24</sup> , Speedlite Transmitter ST-E3-RT V2 <sup>24</sup> , Speedlite Transmitter ST- E10)
<b>Remote Controller/Switch</b>	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
<b>Other</b>	Eyecup ER-i, Eyecup ER-iE, 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
<b>PHYSICAL SPECIFICATIONS</b>	
<b>Body Materials</b>	Magnesium Alloy body and polycarbonate with glass fibre
<b>Operating Environment</b>	0 – 45 °C, 85% or less humidity

**Dimensions****(WxHxD)**

Approx. 157.6×149.5×87.3

mm<sup>25</sup>**Weight (body only)**

Approx. 920 g (1115g with card and battery)

**FOOTNOTES**

- <sup>1</sup> 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
- <sup>2</sup> Cross-type AF does not function (vertical-line detection only) during movie recording, or during Servo AF High-speed continuous shooting+ mode when shooting with the Mechanical shutter or with the Electronic 1st-curtain. For lens related details, please refer to [Supplemental Information] for [EOS R1] in "<https://cam.start.canon>".
- <sup>3</sup> The lowest light AF is available with an f/1.2 lens, centre AF point, One-Shot AF, at 23°C / 73°F, ISO 100 Except RF lenses with a Defocus Smoothing (DS) coating
- <sup>4</sup> 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.
- <sup>5</sup> AF-ON button have 2 states and can be further customised, for details please see the User's Guide at "<https://cam.start.canon>"
- <sup>6</sup> Recommended Exposure Index. Expanded ISO speeds are not available when [HDR shooting (PQ): HDR PQ] is set.
- <sup>7</sup> with 50mm lens at infinity, -1m-1 dpt
- <sup>8</sup> Low light AF performance will be reduced when suppress low frames is used
- <sup>9</sup> When using EL/EX Speedlite and [Sync speed priority: Enable] is set
- <sup>10</sup> Under Canon testing standards with CFexpress 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>"
- <sup>11</sup> 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.

<sup>12</sup>4K UHD and Full HD are 94% horizontal coverage of the image area, RAW, 4K DCI and 2K DCI are 100%, DCI movie cropping mode is 62% and UHD/HD movie cropping mode is 58.5% of the horizontal area.

<sup>13</sup>If the camera's internal temperature becomes too high the maximum recording time will be reduced

<sup>14</sup>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.

<sup>15</sup>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.

<sup>16</sup>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>)

<sup>17</sup>HDMI CEC not supported

<sup>18</sup>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.

- <sup>19</sup> 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.
- <sup>20</sup> Wi-Fi use may be restricted in certain countries or regions  
6GHz is infrastructure only and camera AP is not supported.
- <sup>21</sup> Battery Pack LP-E4N / LP-E4 cannot be used.
- <sup>22</sup> Based on the CIPA Standard and using the battery supplied with the camera, except where indicated. In power saving mode
- <sup>23</sup> ACK-E4 (AC-E4 and DR-E4) cannot be used.
- <sup>24</sup> Must use Multi-Function Shoe Adapter AD- E1 to retain weather sealing
- <sup>25</sup> Based on CIPA guidelines.