

EOS R1 AHEAD OF THE GAME



For sports, news and action photographers, looking to shoot career-defining work, we developed the EOS R1 – our flagship camera with speed and advanced technologies at its core.

24.2 MEGA
PIXELS
CMOS

24.2 megapixel back-illuminated stacked sensor

Up to
40
Frames
Per Sec

Up to 40 fps continuous shooting speed

60p
6K RAW

6K RAW video up to 60p



DiGiC
Accelerator

DIGIC Accelerator



Action priority

Action-priority mode



Eye Control

All new Eye control AF





Focusing on performance

Deep-learning and Cross-type AF identifies and tracks subjects with phenomenal accuracy. Next-generation Eye Control means AF areas can be selected just by looking at your subject, while a DIGIC Accelerator processor powers Action Priority mode, which automatically determines the main subject in football, volleyball and basketball, moving AF areas accordingly.

The speed you need to shoot the best work of your career

Capture fleeting moments with a customisable continuous shooting speed of up to 40fps. A groundbreaking stacked sensor enables a 1/64,000 sec top shutter speed and virtually zero rolling-shutter distortion. Pre-capture lets photographers capture moments before the shutter release is pressed.

Hybrid creativity, shooting video and photos at the same time

Shoot superb 6K video using frame rates up to 60p and using a wide variety of formats. Dual Shooting lets you cover the same event with Full HD video and 17-megapixel (16:9) photos – capturing stills and video separately and simultaneously



Get home in first place

Win the race – getting photos and video back to your client right when they need them. Lightning-fast connectivity is easy to use when the pressure's on. Wi-Fi 6E1 with MIMO antennas, and 2.5G BASE-T ethernet, deliver super-stable performance.

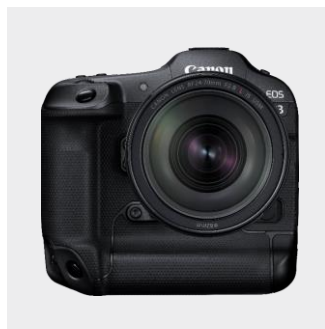
The ultimate photographic assistant

Our flagship EOS is packed with advanced technology, including an 8.5-stop Image Stabilizer, a best-in-class 9.44m-dot electronic viewfinder, and in-camera image upscaling and noise reduction. Be inspired by the superb build quality that pros around the world have come to love.

PRODUCT RANGE



EOS R1



EOS R3



EOS R5 MARK II

IMAGE SENSOR

Type	36 x 24 mm Full Frame back-illuminated stacked CMOS sensor
Effective Pixels	Approx. 24.2 megapixels
Total Pixels	Approx. 26.7 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 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)
Focal Length	Equivalent to 1.0x the focal length of the lens with RF and EF lenses, 1.6x with EF-S and RF-S lenses.

Image Stabilisation

FOCUSING

Type	Dual Pixel Intelligent AF
AF System/Points	Cross-type AF ² with area 100% horizontal and 100% vertical possible depending on the lens attached.
AF Working Range	EV -7.5 – 21 (at 23°C & ISO100) ³
AF Modes	One Shot Servo AF
AF Point Selection	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)
AF Tracking	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 ⁴ Football, Basketball, Volleyball Supported actions: - Football: 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	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 ⁵
AF Assist Beam	Emitted by built in LED or optional dedicated Speedlite (flash)
Manual Focus	Selected on lens
EXPOSURE CONTROL	
Metering Modes	Real-time with image sensor, 6144-zone metering. (1) Evaluative metering (linked to All AF points) (2) Partial metering (Approx. 10% of screen at centre) (3) Spot metering: Centre spot metering (Approx. 5% screen at centre) AF point-linked spot metering not provided (4) Centre weighted average metering
Metering Brightness Range	EV -3 – 20 (at 23°C, ISO100, with evaluative metering)
AE Lock	Auto: AE lock takes effect when focus is achieved Manual: By AE lock button in P, Av, Fv, Tv and M modes
Exposure Compensation	+/-3 EV in 1/3 or 1/2 stop increments (can be combined with AEB)
AEB	+/-3 EV in 1/3 or 1/2 stop increments

Anti-Flicker Shooting

Yes. Flicker detected at a frequency of 100 Hz or 120 Hz. Maximum continuous shooting speed may decrease 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.
Auto 100-102400 (in 1/3-stop or whole stop increments)
ISO can be expanded to L:50, H1:204800, H2:409600⁶

ISO Sensitivity

SHUTTER

Type	Electronically controlled focal-plane shutter and Electronic shutter function in sensor
Speed	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)
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 2. Magenta/Green +/-9 Yes, 5 setting can be registered
Custom White Balance	Yes, 5 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

VIEWFINDER

Type	0.64-inch OLED colour EVF
Dot Count	9.44 million dots (2048x1536)
Coverage (Vertical/Horizontal)	Approx. 100%
Magnification	Adjustable Standard: Approx. 0.9x ⁷ / Reduce 1: Approx. 0.8x / Reduce 2: Approx. 0.7x
Eyepoint	Approx. 25mm (from eyepiece lens centre)
Dioptr Correction	-4 to +2 m-1 (dioptr)
Display performance	Power saving: 59.94 fps Smooth 119.98 fps , suppress low frame rate 60 -119.8fps ⁸ (7 level of brightness)
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, Battery level (%) display, 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, Time 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	Approx. 170° vertically and horizontally
Horizontally/Vertically	
Coating	Anti-smudge.
Brightness Adjustment	Manual: Adjustable to one of seven levels Colour Tone Adjustment: 4 settings
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. (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
Display Options	

FLASH

Built-in Flash GN (ISO 100, meters)

Built-in Flash Coverage

Built-in Flash Recycle Time

Modes

Red-Eye Reduction

X-Sync

E-TTL II Auto Flash, Metered Manual

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 shutter⁹

Flash Exposure Compensation

+/- 3EV in 1/3 increments with EX and EL series Speedlite flashes

Flash Exposure Bracketing

Yes, with compatible External Flash

Flash Exposure Lock

Yes

Second Curtain Synchronisation

Yes, via Speedlite

Multi-Function shoe/Hot Shoe/PC Terminal

Yes/Yes/Yes

External Flash Compatibility

E-TTL II with EX/EL series Speedlite, wireless multi-flash support

External Flash Control

via camera menu screen

SHOOTING

Modes

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)

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
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 images¹⁰.
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 - STILL

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

16:9 ratio (L) 6000x3368, (M) 3984x2240, (S1) 2976x1680, (S2) 2400x1344

1:1 ratio (L) 4000x4000, (M) 2656x2656, (S1) 1984x1984, (S2) 1600x1600

In-camera Neural Network Upscaling up to 12000x8000 (96MP)¹¹

Folders

New folders can be manually created, named and selected
Movie folder structure is adopting the XF-HEVC S / XF-AVC S format

File Numbering

(1) Consecutive numbering

(2) Auto-reset

(3) Manual reset

File Naming

Still:

s 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

MP4 Video: 4K DCI/ UHD (17:9 / 16:9), Full HD (16:9)
4K/ Full HD: HEVC S/H.265, Audio: Linear PCM / AAC
4K/ Full HD: MPEG-4 AVC S/H.264, Audio: Linear PCM / AAC

Movie Size

6K RAW: 12-bit CRM Audio: Linear PCM / AAC
6K DCI (17:9) 6000 x 3164 (59.94, 50, 29.97, 25, 24, 23.98 fps) RAW, Light RAW
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
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 frame¹²
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

Colour Sampling (Internal recording)

6K RAW 12bit, 4K/2K/Full HD - YCbCr4:2:0 8-bit or YCbCr4:2:2 10bit

Canon Log

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)

Movie Length

Max duration 6 hours. (excluding High Frame Rate movies). No 4 GB file limit with exFAT formatted card.¹³

High Frame Rate Movie

MP4 Video:
4K - DCI 4096x2160 / UHD 3840x2160 at 119.9 / 100 fps
Full HD 1920x1080 at 239.76 / 200fps¹⁴

Frame Grab

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)¹⁵

Dual Shooting (Still & Movie):¹⁶

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(5616x3168) 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

XF-HEVC S YCC420 10bit / XF-AVC S YCC420 8bit Light LGOP
 59.94p/50p/29.97p/25p/24p/23.98p: Approx. 9 Mbps

Built-in mono microphone (48 KHz, 24 / 16-bit x 2 channels)

Audio format:
 LPCM / 24 bit / 4CH
 AAC / 16 bit / 2CH

Microphone

Dual Card recording

HDMI Display

HDMI Output

Focusing

ISO

OTHER FEATURES

NETWORK OPTIONS

Custom Functions

Metadata Tag

LCD Panel/Illumination

Water/Dust Resistance

Voice Memo

Intelligent Orientation Sensor

Playback Zoom

Display Formats

Slide Show

Histogram

Highlight Alert

Image Erase

Image Erase Protection

Yes (including Proxy recording)

Output to external monitor only (output of images and shooting information, images are recorded to the card)
 Camera screen and External Monitor output (Simultaneous recording to camera and external recorder, camera screen shows images with shooting information)¹⁷

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

Dual Pixel Intelligent AF with Eye/Face Detection and Tracking AF (people, animals and vehicles), Movie Servo AF, Manual Focus

Auto: 100-32000, H: up to 204800 (when custom picture is off)

Manual: 100-32000, H: up to 204800 (when custom picture is off)

Communication functions:

- 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

Simultaneous use of communication functions:

- 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)

User copyright information (can be set in camera)

Image rating (0-5 stars)

IPTC data (registered with EOS Utility)

IPTC data (via CTP app)

IPTC IIM (via CTP app)

NewsML-G2 (News Metadata) (via CTP app)

Image transfer with caption (Caption registered with EOS Utility)

Blur/Out-of-Focus image detection data¹⁸

Yes/Yes

Yes¹⁹

Yes

Yes

1.5x - 10x in 15 steps / on high resolution image (Upscaled image): 1.5x to 35x (22 levels)

(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

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

Brightness: Yes

RGB: Yes

Yes

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

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.	Flash	Canon Speedlite (EL-1 ²⁴ , EL-5 EL-100, 90EX, 220EX, 270EX, 270EX II, 320EX, 380EX, 420EX, 430EX, 430EX II, 430EX III 470EX-AI, 550EX, 580EX ²⁴ , 580EX II ²⁴ , 600EX ²⁴ , 600EX-RT ²⁴ , 600EX-II-RT ²⁴ , 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 ²⁴ , Speedlite Transmitter ST-E3-RT V2 ²⁴ , Speedlite Transmitter ST-E10)
Menu Categories	(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	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
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	Other	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
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)	PHYSICAL SPECIFICATIONS	
INTERFACE		Body Materials	Magnesium Alloy body and polycarbonate with glass fibre
Computer	SuperSpeed Plus USB 3.2 Gen 2 USB Type-C [®] connector	Operating Environment	0 – 45 °C, 85% or less humidity
Wi-Fi	Wireless LAN (IEEE 802.11ax 2x2 MIMO) (6 GHz / 5 GHz / 2.4 GHz) ²⁰ , with Bluetooth 5.3 support	Dimensions (WxHxD)	Approx. 157.6×149.5×87.3 mm ²⁵
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)	Weight (body only)	Approx. 920 g (1115g with card and battery)
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) ²¹		
Battery Life	With LCD Approx. 1330 shots (at 23°C) With Viewfinder Approx. 700 shots (at 23°C) ²²		
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 ²³		
ACCESSORIES			
Wireless File Transmitter	None		
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		

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 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>".
- ³ 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
- 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 AF-ON button have 2 states and can be further customised, for details please see the User's Guide at "<https://cam.start.canon>"
- ⁶ Recommended Exposure Index. Expanded ISO speeds are not available when [HDR shooting (PQ): HDR PQ] is set.
- ⁷ with 50mm lens at infinity, -1m-1 dpt
- ⁸ Low light AF performance will be reduced when suppress low frames is set
- ⁹ When using EL/EX Speedlite and [Sync speed priority: Enable] is set
- ¹⁰ 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>"
- ¹¹ 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.
- ¹² 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.
- 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.
- 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 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.
- ¹⁹ 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.
- ²⁰ Wi-Fi use may be restricted in certain countries or regions
6GHz is infrastructure only and camera AP is not supported.
- ²¹ Battery Pack LP-E4N / LP-E4 cannot be used.
- ²² Based on the CIPA Standard and using the battery supplied with the camera, except where indicated. In power saving mode
- ²³ ACK-E4 (AC-E4 and DR-E4) cannot be used.
- ²⁴ Must use Multi-Function Shoe Adapter AD-E1 to retain weather sealing
- ²⁵ Based on CIPA guidelines.

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