

Canon

EOS R6 Mark II



Advanced User Guide

E

Specifications

Type

Type: Digital single-lens non-reflex AF/AE camera

Lens mount: Canon RF mount

Compatible lenses: Canon RF lens group (including RF-S lenses)

* Canon EF or EF-S lenses (excluding EF-M lenses) also compatible, using mount adapter EF-EOS R

Lens focal length:

When using RF/EF lenses: Same as focal length indicated on the lens

When using RF-S/EF-S lenses: Approx. 1.6 times the indicated focal length

Image sensor

Type: Full-frame CMOS sensor

| | |
|----------------------|------------------------------|
| Effective pixels*1*2 | Max. approx. 24.2 megapixels |
| Total pixels*1 | Approx. 25.6 megapixels |
| Screen size | Approx. 36.0×24.0 mm |
| Dual Pixel CMOS AF | Supported |

* 1: Rounded to the nearest 100,000.

* 2: Using RF or EF lenses.

The effective pixel count may be lower with certain lenses and image processing.

Recording system

Image recording format: Compliant with Design rule for Camera File system 2.0 and Exif 2.31*1

* 1: Supports time offset information

Image type and extension

| | Image type | Extension |
|-------------|--------------------------------------|-----------|
| Still photo | JPEG | .JPG |
| | HEIF | .HIF |
| | RAW | .CR3 |
| | C-RAW | |
| | Dual Pixel RAW | |
| | RAW burst | |
| Movie | ALL-I*1, IPB (Standard), IPB (Light) | .MP4 |

* 1: Time-lapse movies only

Recording media

Recording media

SD/SDHC/SDXC memory cards

| | |
|-----------------|-----------|
| UHS-II | Supported |
| UHS-I | Supported |
| UHS speed class | Supported |
| SD speed class | Supported |

Card slot: Equipped with dual card slots

* Both card slots are UHS-II compatible

Still photo recording

Still photo pixel count

| Image size | | Resolution (Pixels) | | | | |
|---------------|-------------------|----------------------------------------|---------------------------------------|----------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| | | Aspect ratio | | | | |
| | | 3:2 | 1.6× (crop) ^{*1} | 1:1 | 4:3 | 16:9 |
| JPEG/ HEIF | L | 24.0 megapixels (6000×4000) | Approx. 9.3 megapixels (3744×2496) | 16.0 megapixels (4000×4000) | Approx. 21.3 megapixels ^{*2} (5328×4000) | Approx. 20.2 megapixels ^{*2} (6000×3368) |
| | M | Approx. 10.6 megapixels (3984×2656) | | Approx. 7.1 megapixels (2656×2656) | Approx. 9.5 megapixels (3552×2664) | Approx. 8.9 megapixels ^{*2} (3984×2240) |
| | S1 | Approx. 5.9 megapixels (2976×1984) | | Approx. 3.9 megapixels (1984×1984) | Approx. 5.3 megapixels (2656×1992) | Approx. 5.0 megapixels ^{*2} (2976×1680) |
| | S2 | Approx. 3.8 megapixels (2400×1600) | Approx. 3.8 megapixels (2400×1600) | Approx. 2.6 megapixels (1600×1600) | Approx. 3.4 megapixels ^{*2} (2112×1600) | Approx. 3.2 megapixels ^{*2} (2400×1344) |
| RAW | RAW / CRAW | 24.0 megapixels (6000×4000) | Approx. 9.3 megapixels (3744×2496) | 24.0 megapixels ^{*2} (6000×4000) | | |

* Values for recorded pixels are rounded off to the nearest 100,000th.

* RAW/C-RAW images are generated in [3:2], and the set aspect ratio is appended.

























* JPEG and HEIF images are generated in the set aspect ratio.

* These aspect ratios (M / S1 / S2) and pixel counts also apply to resizing.

* 1: Angle of view of approx. 1.6 times the indicated focal length.

* 2: Aspect ratios are slightly different for these image sizes.

File size/number of shots available

| Image quality | | File size [Approx. MB] | Available shots [Approx.]* ¹ |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------|
| JPEG* ² |  L | 8.2 | 3700 |
| |  M | 4.4 | 6820 |
| |  M | 4.6 | 6630 |
| |  S1 | 2.6 | 11450 |
| |  S1 | 3.1 | 9820 |
| |  S1 | 1.9 | 12840 |
| |  S2 | 1.8 | 16290 |
| HEIF* ³ |  L | 8.3 | 3600 |
| |  M | 6.3 | 4690 |
| |  M | 5.0 | 5830 |
| |  M | 3.9 | 7400 |
| |  S1 | 3.5 | 8390 |
| |  S1 | 2.8 | 10270 |
| |  S2 | 1.8 | 14250 |
| RAW* ² |  RAW | 26.1 | 1170 |
| |  CRAW | 13.2 | 2350 |
| RAW+JPEG* ² |  RAW +  L | 26.1 + 8.2 | 890 |
| |  CRAW +  L | 13.2 + 8.2 | 1430 |
| RAW+HEIF* ³ |  RAW +  L | 28.6 + 8.3 | 820 |
| |  CRAW +  L | 15.8 + 8.3 | 1260 |

* 1: Number of shots using a 32 GB card that conforms to Canon testing standards.


* 2: When set to [HDR shooting **HDR PQ**: Disable].















* 3: When set to [HDR shooting **HDR PQ**: Enable].

* File sizes are determined based on Canon testing standards.

* File size varies by shooting conditions (such as cropping/aspect ratio, subject, ISO speed, Picture Style, and Custom Functions).

Maximum burst [Approx.]

Number of shots available when set to , without slower continuous shooting

| Image quality | | Mechanical shutter / Electronic 1st-curtain (Approx. 12 shots/sec.) ^{*1} | | Electronic shutter (Approx. 40 shots/sec.) ^{*1} | |
|------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------|-------------------------------|
| | | Standard card ^{*2} | High-speed card ^{*3} | Standard card ^{*2} | High-speed card ^{*3} |
| JPEG ^{*4} |  | 540 | 1000 or more | 190 | 190 |
| |  | 1000 or more | 1000 or more | 180 | 180 |
| |  | 1000 or more | 1000 or more | 180 | 180 |
| |  | 1000 or more | 1000 or more | 180 | 180 |
| HEIF ^{*5} |  | 470 | 1000 or more | 180 | 180 |
| |  | 1000 or more | 1000 or more | 180 | 180 |
| |  | 1000 or more | 1000 or more | 180 | 180 |
| |  | 1000 or more | 1000 or more | 180 | 180 |
| RAW ^{*4} |  | 85 | 110 | 74 | 75 |
| |  | 240 | 1000 or more | 140 | 140 |
| RAW+JPEG ^{*4} |  | 85 | 110 | 73 | 75 |
| |  | 170 | 390 | 140 | 140 |
| RAW+HEIF ^{*5} |  | 85 | 95 | 70 | 73 |
| |  | 160 | 180 | 140 | 140 |

* 1: For details on shooting conditions, see "[Drive mode and continuous shooting speed.](#)"

* 2: Number of shots using a 32 GB UHS-I card that conforms to Canon testing standards.

* 3: Number of shots using a 32 GB UHS-II card that conforms to Canon testing standards.

* 4: When set to [HDR shooting **HDR PQ**: Disable].

* 5: When set to [HDR shooting **HDR PQ**: Enable].

* Maximum burst as measured under conditions conforming to Canon testing standards (High-speed continuous shooting + in One-Shot AF mode, ISO 100, and Standard Picture Style).

* Maximum burst varies depending on shooting conditions (such as cropping/aspect ratio, subject, memory card brand, ISO speed, Picture Style, and Custom Function).

Movie recording

Movie recording format: MP4

Estimated recording time, movie bit rate, and file size

Canon Log: OFF, HDR PQ: OFF

| Movie recording size | | | Total recording time (approx.) | | | Movie bit rate (Approx. Mbps) | File size (Approx. MB/min.) |
|--------------------------------------|-------------------------------------|-------------------|--------------------------------|----------------|----------------|----------------------------------|--------------------------------|
| | | | 32 GB | 128 GB | 512 GB | | |
| 4K UHD 4K UHD cropped | 59.94 fps 50.00 fps | IPB (Standard) | 18 min. | 1 hr. 14 min. | 4 hr. 56 min. | 230 | 1647 |
| | | IPB (Light) | 35 min. | 2 hr. 21 min. | 9 hr. 27 min. | 120 | 860 |
| | 29.97 fps 25.00 fps 23.98 fps | IPB (Standard) | 35 min. | 2 hr. 21 min. | 9 hr. 27 min. | 120 | 860 |
| | | IPB (Light) | 1 hr. 10 min. | 4 hr. 43 min. | 18 hr. 52 min. | 60 | 431 |
| 4K UHD Time-lapse movies | 29.97 fps 25.00 fps | ALL-I | 9 min. | 36 min. | 2 hr. 25 min. | 470 | 3362 |
| Full HD High Frame Rate movies | 179.82 fps 150.00 fps | IPB (Standard) | 23 min. | 1 hr. 34 min. | 6 hr. 19 min. | 180 | 1287 |
| | | IPB (Light) | 40 min. | 2 hr. 42 min. | 10 hr. 50 min. | 105 | 751 |
| | 119.88 fps 100.00 fps | IPB (Standard) | 35 min. | 2 hr. 22 min. | 9 hr. 28 min. | 120 | 858 |
| | | IPB (Light) | 1 hr. 0 min. | 4 hr. 3 min. | 16 hr. 15 min. | 70 | 501 |
| Full HD Full HD cropped | 59.94 fps 50.00 fps | IPB (Standard) | 1 hr. 10 min. | 4 hr. 43 min. | 18 hr. 52 min. | 60 | 431 |
| | | IPB (Light) | 2 hr. 0 min. | 8 hr. 3 min. | 32 hr. 15 min. | 35 | 252 |
| | 29.97 fps 25.00 fps 23.98 fps | IPB (Standard) | 2 hr. 20 min. | 9 hr. 23 min. | 37 hr. 35 min. | 30 | 216 |
| | | IPB (Light) | 5 hr. 47 min. | 23 hr. 11 min. | 92 hr. 47 min. | 12 | 88 |
| Full HD Time-lapse movies | 29.97 fps 25.00 fps | ALL-I | 47 min. | 3 hr. 9 min. | 12 hr. 38 min. | 90 | 644 |

* Bit rate only applies to video output, not audio or metadata.

* Audio is recorded when [C.Fn4 Audio compression: Enable] (Audio: AAC) is set.

* Movie recording stops when the maximum recording time per movie is reached.

* No audio is recorded for approx. the last two frames with the compression method for movie recording quality set to IPB (Standard) or IPB (Light) and the camera set to [C.Fn4 Audio compression: Enable]. Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.

Canon Log: ON, or HDR PQ: ON

| Movie recording size | | | Total recording time (approx.) | | | Movie bit rate (Approx. Mbps) | File size (Approx. MB/min.) |
|--------------------------------------|-------------------------------------|-------------------|--------------------------------|---------------|----------------|----------------------------------|--------------------------------|
| | | | 32 GB | 128 GB | 512 GB | | |
| 4K UHD 4K UHD cropped | 59.94 fps 50.00 fps | IPB (Standard) | 12 min. | 50 min. | 3 hr. 20 min. | 340 | 2434 |
| | | IPB (Light) | 25 min. | 1 hr. 40 min. | 6 hr. 40 min. | 170 | 1218 |
| | 29.97 fps 25.00 fps 23.98 fps | IPB (Standard) | 25 min. | 1 hr. 40 min. | 6 hr. 40 min. | 170 | 1218 |
| | | IPB (Light) | 50 min. | 3 hr. 20 min. | 13 hr. 20 min. | 85 | 610 |
| 4K UHD Time-lapse movies | 29.97 fps 25.00 fps | ALL-I | 9 min. | 36 min. | 2 hr. 25 min. | 470 | 3362 |
| Full HD High Frame Rate movies | 179.82 fps 150.00 fps | IPB (Standard) | 15 min. | 1 hr. 3 min. | 4 hr. 12 min. | 270 | 1931 |
| | | IPB (Light) | 28 min. | 1 hr. 53 min. | 7 hr. 35 min. | 150 | 1073 |
| | 119.88 fps 100.00 fps | IPB (Standard) | 23 min. | 1 hr. 34 min. | 6 hr. 19 min. | 180 | 1287 |
| | | IPB (Light) | 42 min. | 2 hr. 50 min. | 11 hr. 22 min. | 100 | 715 |
| Full HD Full HD cropped | 59.94 fps 50.00 fps | IPB (Standard) | 47 min. | 3 hr. 9 min. | 12 hr. 36 min. | 90 | 646 |
| | | IPB (Light) | 1 hr. 24 min. | 5 hr. 39 min. | 22 hr. 38 min. | 50 | 360 |
| | 29.97 fps 25.00 fps 23.98 fps | IPB (Standard) | 1 hr. 34 min. | 6 hr. 17 min. | 25 hr. 8 min. | 45 | 324 |
| | | IPB (Light) | 2 hr. 30 min. | 10 hr. 3 min. | 40 hr. 15 min. | 28 | 202 |
| Full HD Time-lapse movies | 29.97 fps 25.00 fps | ALL-I | 31 min. | 2 hr. 6 min. | 8 hr. 25 min. | 135 | 966 |

* Bit rate only applies to video output, not audio or metadata.

* Audio is recorded when [C.Fn4 Audio compression: Enable] (Audio: AAC) is set.

* Movie recording stops when the maximum recording time per movie is reached.

* No audio is recorded for approx. the last two frames with the compression method for movie recording quality set to IPB (Standard) or IPB (Light) and the camera set to [C.Fn4 Audio compression: Enable]. Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.

Card performance requirements (movie recording) [write/read speed]

| Movie recording size | | | 8 bits | 10 bits (Canon Log 3 / HDR PQ) |
|-----------------------------------|-------------------------------------|----------------|------------------------------------|-----------------------------------|
| 4K UHD 4K UHD cropped | 59.94 fps 50.00 fps | IPB (Standard) | UHS Speed Class 3 or higher | Video Speed Class V60 or higher |
| | | IPB (Light) | UHS Speed Class 3 or higher | |
| | 29.97 fps 25.00 fps 23.98 fps | IPB (Standard) | UHS Speed Class 3 or higher | |
| | | IPB (Light) | SD Speed Class 10 or higher | UHS Speed Class 3 or higher |
| 4K UHD Time-lapse movies | 29.97 fps 25.00 fps | ALL-I | Read speed of 60 MB/sec. or higher | |
| Full HD High Frame Rate movies | 179.82 fps 150.00 fps | IPB (Standard) | UHS Speed Class 3 or higher | Video Speed Class V60 or higher |
| | | IPB (Light) | UHS Speed Class 3 or higher | UHS Speed Class 3 or higher |
| | 119.88 fps 100.00 fps | IPB (Standard) | UHS Speed Class 3 or higher | |
| | | IPB (Light) | SD Speed Class 10 or higher | UHS Speed Class 3 or higher |
| Full HD Full HD cropped | 59.94 fps 50.00 fps | IPB (Standard) | SD Speed Class 10 or higher | UHS Speed Class 3 or higher |
| | | IPB (Light) | SD Speed Class 6 or higher | SD Speed Class 10 or higher |
| | 29.97 fps 25.00 fps 23.98 fps | IPB (Standard) | SD Speed Class 6 or higher | |
| | | IPB (Light) | SD Speed Class 4 or higher | |
| Full HD Time-lapse movies | 29.97 fps 25.00 fps | ALL-I | Read speed of 30 MB/sec. or higher | |

Built-in and external microphones

Built-in microphone: Stereo microphones

External microphone (External microphone IN terminal): 3.5 mm diameter stereo mini jack

External microphone (Multi-function shoe): Compatible with Directional Stereo Microphone DM-E1D

Autofocus

Focusing method: Dual Pixel CMOS AF

Focusing brightness range (Still photo shooting): EV -6.5 to 21 (with an f/1.2 lens,* center AF point, One-Shot AF at room temperature, and ISO 100)

* Except RF lenses with a Defocus Smoothing (DS) coating

Focusing brightness range (Movie recording)

| | | |
|---------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4K | EV -4.0 to 21 | (with an f/1.2 lens,* center AF point, One-Shot AF at room temperature, ISO 100, and 29.97 / 25.00 fps.) * Except RF lenses with a Defocus Smoothing (DS) coating |
| Full HD | EV -4.5 to 21 | |

Focusing operation

| | Still photo shooting | Movie recording |
|-------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| AF operation*1 | <ul style="list-style-type: none">• One-Shot AF• AI Focus AF• Servo AF | <ul style="list-style-type: none">• One-Shot AF• Movie Servo AF |
| Manual focus (MF) | Supported | Supported |

* 1: Available in Creative Zone modes. Automatically set in Basic Zone modes to suit the shooting mode.

* When set to AI Focus AF, the camera automatically switches from One-Shot AF to Servo AF in response to subject movement (also applies during continuous shooting).

* Automatically set to **[AI Focus AF]** in **< [A+] >** mode.

Focus mode: AF / MF

* Applies when an RF or RF-S lens without a focus mode switch is used.

* When lenses with a focus mode switch are used, the setting on the lens takes precedence.

Lens compatibility based on AF area: Refer to the Canon website

Number of AF area available for automatic selection

| | | |
|--------------------|--------------|--------------------------------------------------|
| Focusing area | | Horizontal: Approx. 100%, Vertical: Approx. 100% |
| Number of AF zones | Still photos | Max. 1053 zones (39×27) |
| | Movies | Max. 1053 zones (39×27) |

* May vary depending on settings.

Selectable positions for AF point

| | | |
|----------------------|--------------|-------------------------------------------------|
| Focusing area | | Horizontal: Approx. 90%, Vertical: Approx. 100% |
| Numbers of positions | Still photos | Max. 4897 positions (83×59) |
| | Movies | Max. 4067 positions (83×49) |

* When set to [1-point AF] and selected using the Multi-controller.

* Values for the selectable positions for AF points do not represent AF performance.

Viewfinder

Type: OLED color electronic viewfinder

Screen size: Approx. 1.3 cm (0.5 inch)

Dot count: Approx. 3,690,000 dots

Magnification / Angle of view: Approx. 0.76× / Approx. 35.2° (with 50 mm lens at infinity, -1 m⁻¹)

Coverage: Approx. 100% (at JPEG Large image quality (3:2) and approx. 23 mm eyepoint)

Eyepoint: Approx. 23 mm (at -1 m⁻¹ from eyepiece lens end)

Dioptric adjustment: Approx. -4.0 to 2.0 m⁻¹ (dpt)

Screen

Type: TFT color, liquid-crystal monitor

Screen size: Approx. 7.5 cm (3.0 inch) (screen aspect ratio of 3:2)

Dot count: Approx. 1,620,000 dots

Angle of view: Approx. 170° vertically and horizontally

Coverage: Approx. 100% vertically and horizontally (at L image size and an aspect ratio of 3:2)

Screen brightness: Manually adjustable in a range of 1–7

Touch-screen: Capacitive sensing

HDMI output

HDMI video / audio output: HDMI micro OUT terminal (Type D)

* HDMI CEC not supported

HDMI resolution: Auto / 1080p

Exposure control

Metering functions under various shooting conditions

| Item | | Still photo shooting | Movie recording |
|----------------------------------------------------------|----------------------------------|---------------------------------------------------------------|------------------------------------------------------------------|
| Metering sensor | | 384-zone (24×16) metering using image sensor output signals*1 | |
| Metering mode | Evaluative metering | Yes | Yes * When faces are detected |
| | Partial metering | Yes * Approx. 5.9% in the center of the screen*3 | |
| | Spot metering*2 | Yes * Approx. 3.0% in the center of the screen*3 | |
| | Center-weighted average metering | Yes | Yes * When no faces are detected * When set to Canon Log 3 |
| Metering brightness range (at room temperature, ISO 100) | | EV -3 to 20 | EV -1 to 20 |

* 1: Same applies when set to [1.6x (crop)].

* 2: Multi-spot metering not available (not supported).

* 3: When set to Full-frame. Values differ when set to 1.6x (crop) or Digital tele-converter.

ISO speed (recommended exposure index) in still photo shooting

Manual ISO speed setting for still photos

| | ISO speed |
|--------------------|--------------------------------------------------------|
| Normal ISO speed | ISO 100–102400 (in 1/3 or 1-stop increments) |
| Expanded ISO speed | L (equivalent to ISO 50), H (equivalent to ISO 204800) |

* When set to [Highlight tone priority], the available manual setting range is ISO 200–102400.

* Expanded ISO speeds cannot be set in HDR mode or for HDR shooting (HDR PQ).




Manual ISO speed setting range for still photos

| ISO speed range | ISO speed |
|-----------------|---------------------------------------------------------------|
| Minimum | L (equivalent to ISO 50) to ISO 102400 (in 1-stop increments) |
| Maximum | ISO 100 to H (equivalent to ISO 204800, in 1-stop increments) |

ISO Auto setting range for still photos

| Auto range | ISO speed |
|------------|---------------------------------------|
| Minimum | ISO 100–51200 (in 1-stop increments) |
| Maximum | ISO 200–102400 (in 1-stop increments) |

ISO Auto details for still photos

| Shooting mode | | No flash | Using flash | |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------|---------------------------------------------|
| Variable control of maximum ISO Auto limit for E-TTL | | | Compatible lens | Incompatible lens |
| Creative Zone | Fv / P / Tv / Av / M | ISO 100 ^{*1+2} –102400 ^{*2} | ISO 100 ^{*1+2} –6400 ^{*2} | ISO 100 ^{*1+2} –1600 ^{*2} |
| | B | ISO 400 ^{*3} | ISO 400 ^{*3} | |
| Basic Zone |  /  | ISO 100–25600 | ISO 100–6400 | ISO 100–1600 |
| | SCN | Varies by shooting mode | | |
| |  | Varies by shooting mode | | |

* 1: ISO 200 when set to [Highlight tone priority: Enable/Enhanced].

* 2: Varies depending on the [Maximum] and [Minimum] settings for [Auto range].

* 3: If outside the setting range, changed to the value closest to ISO 400.

Variable control of maximum ISO Auto limit for E-TTL: Supported

ISO speed (recommended exposure index) in movie recording

Manual ISO speed setting for movies (in M mode)

| | Canon Log 3 | ISO speed |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Normal ISO speed | Off | ISO 100–25600 (in 1/3 or 1-stop increments) |
| | On | ISO 800–25600 (in 1/3 or 1-stop increments) |
| Expanded ISO speed | Off | H (equivalent to ISO 32000, 40000, 51200, 64000, 80000, 102400, or 204800) |
| | On | L (equivalent to ISO 100, 125, 160, 200, 250, 320, 400, 500, or 640) H (equivalent to ISO 32000, 40000, 51200, 64000, 80000, 102400, or 204800) |

* Maximum ISO speed when set manually corresponds to the **[ISO speed range]** setting.

* When set to **[Highlight tone priority]**, the setting range is ISO 200–25600.

* Expanded ISO speeds are not available in HDR or HDR PQ movie recording, in movie recording with shooting creative filters, HDMI RAW output setting, or when digital zoom is set.

* The default setting range when set to Canon Log 3 is L and ISO 800–25600.

Automatic ISO speed setting for movies (in P / Tv / Av mode, and in M mode with ISO Auto)

| | Canon Log 3 | ISO speed |
|--------------------|-------------|----------------------------------------------------------------------------|
| Normal ISO speed | Off | ISO 100–25600 (in 1/3 or 1-stop increments) |
| | On | ISO 800–25600 (in 1/3 or 1-stop increments) |
| Expanded ISO speed | Off | H (equivalent to ISO 32000, 40000, 51200, 64000, 80000, 102400, or 204800) |
| | On | |

* Maximum ISO speed when set automatically corresponds to the **[Max for Auto]** setting.

* When set to **[Highlight tone priority]**, the setting range is ISO 200–25600.

* Expanded ISO speeds are not available in HDR or HDR PQ movie recording, in movie recording with shooting creative filters, HDMI RAW output setting, or when digital zoom is set.

Manual ISO speed setting range for movies

| ISO speed range | ISO speed |
|-----------------|---------------------------------------------------------------------------------------|
| Minimum | ISO 100–25600 or H (equivalent to ISO 102400), in 1-stop increments |
| Maximum | ISO 200–25600 or H (equivalent to ISO 51200, 102400, or 204800), in 1-stop increments |

Maximum ISO Auto setting for movies

| | ISO speed |
|--------------|----------------------------------------------------------------------------------------|
| Max for Auto | ISO 6400–25600 or H (equivalent to ISO 51200, 102400, or 204800), in 1-stop increments |

Maximum ISO Auto setting for time-lapse movies

| | ISO speed |
|--------------|----------------------------------------------------------------------|
| Max for Auto | ISO 400, 800, 1600, 3200, 6400, 12800 or 25600, in 1-stop increments |

Shutter

Still photo shooting

Type:

Electronically controlled focal-plane shutter
Rolling shutter, using the image sensor

Shutter mode

| |
|------------------------|
| Mechanical shutter |
| Electronic 1st curtain |
| Electronic shutter |

Shutter speed / X-sync speed

| Shutter mode | Setting range | Setting increments | X-sync |
|------------------------|---------------------------------|--------------------|------------|
| Mechanical shutter | 1/8000–30 sec., Bulb | 1/3 stop, 1/2 stop | 1/200 sec. |
| Electronic 1st curtain | | | 1/250 sec. |
| Electronic shutter*1*2 | 1/16000*3, 1/8000–30 sec., Bulb | | |

* 1: 1/16000 sec. is only available in Tv or M mode (up to 1/8000 sec. in Fv, P, or Av mode).

* 2: When the shutter speed is set to 1/16000 sec., the aperture value or ISO speed may be adjusted to control the exposure depending on shooting conditions, because exposure cannot be controlled in 1/3- or 1/2-stop increments.

* 3: Up to 1/8000 sec. when set to High speed continuous shooting + drive mode, RAW burst mode, HDR mode, focus bracketing, or same exposure for new aperture (ISO speed / Tv, Tv).

Movie recording

Type: Rolling shutter, using the image sensor

Shutter speed:

1/8000–1/25* sec.

* Varies by frame rate.

Movies in Tv or M mode: 1/8000–1/8*1 sec.

* Varies by shooting mode and frame rate.

* 1: Minimum speed is 1/125 sec. (NTSC) or 1/100 sec. (PAL) when set to **[High Frame Rate: Enable]**.

Image stabilization (IS mode): Provided

Drive

Drive mode and continuous shooting speed

[Max. approx.]

| Drive mode | AF operation | Mechanical shutter | Electronic 1st curtain | Electronic shutter |
|----------------------------------|-------------------------|--------------------|------------------------|--------------------|
| Single shooting | | Yes | Yes | Yes |
| High-speed continuous shooting + | One-Shot AF Servo AF | 12 shots/sec. | 12 shots/sec. | 40 shots/sec. |
| High-speed continuous shooting | One-Shot AF Servo AF | 5.5 shots/sec. | 7.0 shots/sec. | 20 shots/sec. |
| Low-speed continuous shooting | One-Shot AF Servo AF | 3.0 shots/sec. | 3.0 shots/sec. | 5.0 shots/sec. |
| Self-timer: 10 sec. | | Yes | Yes | Yes |
| Self-timer: 2 sec. | | Yes | Yes | Yes |
| Self-timer: Continuous shooting | | Yes | Yes | Yes |

External flash

Accessory shoe contacts:

21 pins for accessories compatible with the multi-function shoe, 5 pins for X-sync and communication

Flash exposure compensation: ± 3 stops (in 1/3- or 1/2-stop increments)

Playback

| Item | Still photos | Movies |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| AF point display | Yes | |
| Playback grid | Off / 3×3 / 6×4 / 3×3+diag | |
| Magnified view | 1.5×–10× (15 levels) | |
| Set image search conditions | Search conditions Rating / Date / Folder / Protection / Type of file (1) / Type of file (2) | |
| Rating | OFF / ★ to ★★★★★ Select images / Select range / All images in folder / All images on card / All found images | |
| Protect images | 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 | |
| In-camera RAW image processing | Yes | |
| Resizing | Yes | |
| Cropping | Yes | |

Cloud RAW image processing

A feature for uploading images to image.canon for cloud-based RAW processing.

Requires some preparation, such as pairing the camera and submitting information for billing purposes.

Frame grab from 4K movies

Individual frames of 4K movies recorded with the camera can be saved as approx. 8.3-megapixel (3840×2160) still photos (JPEG or HEIF).

* From normal movies, still photos are saved as JPEGs, and from HDR PQ movies, as HEIF images.

* Images can be extracted from 4K or cropped 4K movies.

* Extraction is not possible from Canon Log 3 movies.

* In-camera resizing or cropping and editing Creative filter/Creative assist are not supported for extracted still photos.

Print order (DPOF)

Compliant with DPOF Version 1.1

External interface

Digital terminal

| | |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Terminal type | USB Type-C |
| Transmission | Equivalent to SuperSpeed Plus USB (USB 3.2 Gen 2) |
| Applications | <ul style="list-style-type: none">• For computer communication / smartphone communication• USB battery charging / camera power supply |

HDMI output terminal: HDMI micro OUT terminal (Type D)

External microphone input terminal: 3.5 mm diameter stereo mini-jack

Headphone terminal: 3.5 mm diameter stereo mini-jack

Remote control terminal: Terminal compatible with Remote Switch RS-60E3

Power source

Battery

| | |
|--------------------------|--------------------------|
| Compatible battery packs | LP-E6NH / LP-E6N / LP-E6 |
| Quantity used | 1 |

USB battery charging/Camera power supply: Using USB Power Adapter PD-E1

AC power source

| | |
|------------|--------|
| AC adapter | AC-E6N |
| DC coupler | DR-E6 |

Number of shots available

| Shooting method | Temperature | Available shots (approx.) | |
|-----------------|-------------|---------------------------|----------|
| | | Power saving*1 | Smooth*2 |
| Viewfinder | 23°C / 73°F | 450 | 320 |
| Screen | | 760 | 580 |

* 1: Based on CIPA standards.

* 2: According to Canon measurement conditions, which are based on CIPA standards.

* Using a new, fully charged LP-E6NH

* The number of shots available may vary greatly depending on the shooting environment.

* Fewer shots may be available with a compatible accessory attached to the multifunction shoe, because the camera powers the accessory.

* LP-E6N / LP-E6 can also be used, but fewer shots are available.

* Using two LP-E6NH batteries with Battery Grip BG-R10 approximately doubles the number of shots available, compared to the table above.

Available operating time

| Conditions of use | | | Temperature | Available operating time |
|----------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------|-------------|--------------------------|
| Time available for bulb exposure | | | 23°C / 73°F | Approx. 5 hr. 0 min. |
| Time available for Live View shooting * Using the screen | | | 23°C / 73°F | Approx. 5 hr. 0 min. |
| Time available for movie recording * Movie Servo AF: Disable * Movie cropping: Disable | 4K | <ul style="list-style-type: none"> • IPB (Standard) • 59.94 fps / 50.00 fps | 23°C / 73°F | Approx. 1 hr. 20 min. |
| | | | 0°C / 32°F | Approx. 1 hr. 20 min. |
| | Full HD | <ul style="list-style-type: none"> • IPB (Standard) • 29.97 fps / 25.00 fps | 23°C / 73°F | Approx. 3 hr. 50 min. |
| | | | 0°C / 32°F | Approx. 3 hr. 40 min. |
| Time available for continuous movie playback (normal playback) | 4K | <ul style="list-style-type: none"> • IPB (Standard) • 59.94 fps / 50.00 fps | 23°C / 73°F | Approx. 5 hr. 30 min. |

* With a new, fully charged LP-E6NH

Dimensions and weight

Dimensions

| | |
|-----------------|---------------------------------------------------------|
| (W) × (H) × (D) | Approx. 138.4×98.4×88.4 mm / Approx. 5.45×3.87×3.48 in. |
|-----------------|---------------------------------------------------------|

* Based on CIPA guidelines.

Weight

| | |
|--------------------------------------------------------------------|-----------------------------------|
| Body (including battery and card 1) * Based on CIPA guidelines. | Approx. 670 g / Approx. 23.63 oz. |
| Body only | Approx. 588 g / Approx. 20.74 oz. |

* Not including body cap or shoe cover.

Operating environment

Operating temperature: 0–40°C / 32–104°F

Operating humidity: 85% or less

Wi-Fi (Wireless LAN) communication

Supported standards (equivalent to IEEE 802.11b/g/n/a/ac standards)

| Wi-Fi standards | Transmission method | Maximum link speed |
|-----------------|---------------------|-------------------------|
| IEEE 802.11b | DSSS modulation | 11 Mbps |
| IEEE 802.11g | OFDM modulation | 54 Mbps |
| IEEE 802.11n | | 72.2 Mbps |
| IEEE 802.11a | | 54 Mbps |
| IEEE 802.11ac | | 86.7 / 200 / 433.3 Mbps |

* Not compatible with MIMO (Multiple-input and multiple-output).

Transmission frequency (Center frequency)

2.4 GHz band

| | |
|-----------|------------------|
| Frequency | 2412 to 2462 MHz |
| Channels | 1 to 11 ch |

5 GHz band

| | |
|-----------|------------------|
| Frequency | 5180 to 5825 MHz |
| Channels | 36 to 165 ch |

* Specifications vary by country/region.

Authentication and data encryption methods

| Connection method | Authentication | Encryption |
|------------------------------|----------------------------|-------------|
| Camera access point | WPA2 / WPA3-Personal | AES |
| | Open | Disable |
| Infrastructure | Open | WEP |
| | | Disable |
| | Shared key | WEP |
| | WPA / WPA2 / WPA3-Personal | TKIP AES |
| WPA / WPA2 / WPA3-Enterprise | | |

Bluetooth

Standards compliance: Bluetooth Specification Version 5.1 compliant (Bluetooth Low Energy technology)

Transmission method: GFSK modulation

- All data above is based on Canon testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
- Dimensions and weight listed above are based on CIPA Guidelines (except weight for camera body only).
- Product specifications and appearance are subject to change without notice.
- If a problem occurs with a non-Canon lens attached to the camera, contact the respective lens manufacturer.