



# EOS R5 Mark II



## Advanced User Guide

These operating instructions are for the EOS R5 Mark II with firmware ver. 1.0.2 or later installed.

# Specifications

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## 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 focal length indicated on the lens

## Image sensor

**Type:** Full-frame back-illuminated stacked CMOS sensor

|                      |                            |
|----------------------|----------------------------|
| Effective pixels*1*2 | Max. approx. 45 megapixels |
| Total pixels*1       | Approx. 50.3 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 difference information

### Image type / recording format / extension

| Image type / recording format |                                                                                                   | Extension |
|-------------------------------|---------------------------------------------------------------------------------------------------|-----------|
| Still photo                   | JPEG                                                                                              | .JPG      |
|                               | HEIF                                                                                              | .HIF      |
|                               | RAW                                                                                               | .CR3      |
|                               | C-RAW                                                                                             |           |
| Movies                        | RAW                                                                                               | .CRM      |
|                               | XF-HEVC S YCC422 10bit<br>XF-HEVC S YCC420 10bit<br>XF-AVC S YCC422 10bit<br>XF-AVC S YCC420 8bit | .MP4      |
|                               | News Metadata*1                                                                                   | .XML      |
|                               |                                                                                                   |           |

\* 1: When MP4 movie is recorded with [Add  File: On], ".CPF" file will be created.

## Recording media

### Recording media:

Card 1: CFexpress memory card

\* Type B: Card slot

\* CFexpress 2.0 and VPG400 supported

Card 2: SDXC/SDHC/SD memory card

\* Compatible with UHS-II

## Still photo recording

### Recording pixel count

| Image size  |                   | Resolution (Pixels)                                  |                                        |                                                      |                                                      |                                                      |
|-------------|-------------------|------------------------------------------------------|----------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
|             |                   | Still photo cropping / aspect ratio                  |                                        |                                                      |                                                      |                                                      |
|             |                   | 3:2                                                  | 1.6x (crop)* <sup>1</sup>              | 1:1                                                  | 4:3                                                  | 16:9                                                 |
| JPEG / HEIF | L                 | Approx. 44.8 megapixels* <sup>2</sup><br>(8192×5464) | Approx. 17.3 megapixels<br>(5088×3392) | Approx. 29.8 megapixels<br>(5456×5456)               | Approx. 39.8 megapixels* <sup>2</sup><br>(7280×5464) | Approx. 37.7 megapixels<br>(8192×4608)               |
|             | M                 | 24.0 megapixels<br>(6000×4000)                       |                                        | 16.0 megapixels<br>(4000×4000)                       | Approx. 21.3 megapixels* <sup>2</sup><br>(5328×4000) | Approx. 20.2 megapixels* <sup>2</sup><br>(6000×3368) |
|             | S1                | Approx. 11.6 megapixels<br>(4176×2784)               |                                        | Approx. 7.8 megapixels<br>(2784×2784)                | Approx. 10.3 megapixels<br>(3712×2784)               | Approx. 9.8 megapixels* <sup>2</sup><br>(4176×2344)  |
|             | S2                | Approx. 3.8 megapixels<br>(2400×1600)                | Approx. 3.8 megapixels<br>(2400×1600)  | Approx. 2.6 megapixels<br>(1600×1600)                | Approx. 3.4 megapixels* <sup>2</sup><br>(2112×1600)  | Approx. 3.2 megapixels* <sup>2</sup><br>(2400×1344)  |
| RAW         | <b>RAW / CRAW</b> | Approx. 44.8 megapixels* <sup>2</sup><br>(8192×5464) | Approx. 17.3 megapixels<br>(5088×3392) | Approx. 44.8 megapixels* <sup>2</sup><br>(8192×5464) |                                                      |                                                      |

\* 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 information is appended to the images.

\* JPEG/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.

## Still photo file size / Number of shots available / Maximum burst for continuous shooting

### Mechanical shutter / electronic first-curtain

| Image quality          |                                                                                          | File size [Approx. MB] | Available shots [Approx.]* <sup>1</sup> | Maximum burst [Approx.]      |                       |
|------------------------|------------------------------------------------------------------------------------------|------------------------|-----------------------------------------|------------------------------|-----------------------|
|                        |                                                                                          |                        |                                         | CFexpress card* <sup>1</sup> | SD card* <sup>2</sup> |
| JPEG* <sup>3</sup>     | L                                                                                        | 13.0                   | 23710                                   | 760                          | 760                   |
|                        | M                                                                                        | 7.8                    | 39370                                   | 670                          | 660                   |
|                        | S1                                                                                       | 4.6                    | 67580                                   | 670                          | 660                   |
|                        | S2                                                                                       | 1.8                    | 171670                                  | 670                          | 660                   |
| HEIF* <sup>4</sup>     | L                                                                                        | 12.5                   | 24290                                   | 690                          | 640                   |
|                        | M                                                                                        | 8.1                    | 37350                                   | 740                          | 740                   |
|                        | S1                                                                                       | 4.9                    | 60570                                   | 780                          | 780                   |
|                        | S2                                                                                       | 1.8                    | 148190                                  | 790                          | 780                   |
| RAW* <sup>3</sup>      |  RAW    | 47.6                   | 6540                                    | 230                          | 95                    |
|                        |  CRAW   | 20.6                   | 15210                                   | 580                          | 580                   |
| RAW+JPEG* <sup>3</sup> |  RAW+L  | 47.6 + 13.0            | 5120                                    | 150                          | 87                    |
|                        |  CRAW+L | 20.6 + 13.0            | 9260                                    | 310                          | 190                   |
| RAW+HEIF* <sup>4</sup> |  RAW+L  | 47.6 + 12.5            | 4860                                    | 89                           | 84                    |
|                        |  CRAW+L | 20.6 + 12.5            | 8420                                    | 180                          | 170                   |

\* 1: Number of shots available and maximum burst for CFexpress cards apply to 325 GB CFexpress cards conforming to Canon testing standards.

\* 2: Maximum burst for SD cards applies to 128 GB UHS-II SD cards conforming to Canon testing standards.

\* 3: When  **HDR shooting (PQ): Disable** is set.

\* 4: When  **HDR shooting (PQ): HDR PQ** is set.

\* Maximum burst as measured under conditions conforming to Canon testing standards (One-shot AF, High-speed continuous shooting+, JPEG/HEIF image quality: 8, ISO 100, Picture Style: Standard, and room temperature: 23°C / 73°F)

\* File size, number of shots available, and maximum burst vary depending on shooting conditions (including remaining battery level, battery temperature, cropping/aspect ratio, JPEG/HEIF image quality, subject, memory card brand, ISO speed, Picture Style, and Custom Functions).

## Electronic shutter

| Image quality          |        | File size [Approx. MB]                                                 | Available shots [Approx.]* <sup>1</sup> | Maximum burst [Approx.]      |                       |
|------------------------|--------|------------------------------------------------------------------------|-----------------------------------------|------------------------------|-----------------------|
|                        |        |                                                                        |                                         | CFexpress card* <sup>1</sup> | SD card* <sup>2</sup> |
| JPEG* <sup>3</sup>     | L      | See " <a href="#">Mechanical shutter / electronic first-curtain.</a> " |                                         | 200                          | 200                   |
|                        | M      |                                                                        |                                         | 200                          | 200                   |
|                        | S1     |                                                                        |                                         | 200                          | 200                   |
|                        | S2     |                                                                        |                                         | 200                          | 200                   |
| HEIF* <sup>4</sup>     | L      |                                                                        |                                         | 200                          | 200                   |
|                        | M      |                                                                        |                                         | 200                          | 200                   |
|                        | S1     |                                                                        |                                         | 200                          | 200                   |
|                        | S2     |                                                                        |                                         | 200                          | 200                   |
| RAW* <sup>3</sup>      | RAW    |                                                                        |                                         | 93                           | 86                    |
|                        | CRAW   |                                                                        |                                         | 170                          | 170                   |
| RAW+JPEG* <sup>3</sup> | RAW+L  |                                                                        |                                         | 85                           | 82                    |
|                        | CRAW+L |                                                                        |                                         | 160                          | 150                   |
| RAW+HEIF* <sup>4</sup> | RAW+L  |                                                                        |                                         | 79                           | 79                    |
|                        | CRAW+L |                                                                        |                                         | 150                          | 150                   |

\* 1: Number of shots available and maximum burst for CFexpress cards apply to 325 GB CFexpress cards conforming to Canon testing standards.

\* 2: Maximum burst for SD cards applies to 128 GB UHS-II SD cards conforming to Canon testing standards.

\* 3: When  **HDR shooting (PQ): Disable** is set.

\* 4: When  **HDR shooting (PQ): HDR PQ** is set.

\* Maximum burst as measured under conditions conforming to Canon testing standards (One-shot AF, High-speed continuous shooting+, JPEG/HEIF image quality: 8, ISO 100, Picture Style: Standard, and room temperature: 23°C / 73°F)

\* File size, number of shots available, and maximum burst vary depending on shooting conditions (including remaining battery level, battery temperature, cropping/aspect ratio, JPEG/HEIF image quality, subject, memory card brand, ISO speed, Picture Style, and Custom Functions).

## Movie recording

### Main recording format

| Main recording format  | File extension |
|------------------------|----------------|
| RAW                    | CRM            |
| XF-HEVC S YCC422 10bit | MP4            |
| XF-HEVC S YCC420 10bit | MP4            |
| XF-AVC S YCC422 10bit  | MP4            |
| XF-AVC S YCC420 8bit   | MP4            |

### Proxy recording format

| Proxy recording format | File extension |
|------------------------|----------------|
| XF-HEVC S YCC420 10bit | MP4            |
| XF-AVC S YCC420 8bit   | MP4            |

\* Set automatically depending on the main recording system.

\* When [ **Rec options**] of [**Record func+card/folder sel.**] is set to [ **Main**  **Proxy**], proxy recording is possible.

## Movie recording size

### Main movie

| Recording format                                                                           | Compression method / RAW format                                      | Resolution | Image quality | Frame rate (fps) |        |         |         |       |       |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------|---------------|------------------|--------|---------|---------|-------|-------|
|                                                                                            |                                                                      |            |               | 239.76           | 200.00 | 119.88  | 100.00  | 59.94 | 50.00 |
| XF-HEVC S<br>YCC422<br>10bit                                                               | High Quality Intra<br>Standard Intra<br>Light Intra<br>Standard LGOP | 8K-D       | Normal        |                  |        |         |         |       |       |
|                                                                                            |                                                                      | 8K-U       |               |                  |        |         |         |       |       |
| XF-HEVC S<br>YCC420<br>10bit                                                               | Standard LGOP                                                        | 8K-D       | Normal        |                  |        |         |         |       |       |
|                                                                                            |                                                                      | 8K-U       |               |                  |        |         |         |       |       |
| XF-HEVC S<br>YCC422<br>10bit<br>XF-HEVC S<br>YCC420<br>10bit<br>XF-AVC S<br>YCC420<br>8bit | Standard LGOP                                                        | 4K-D       | Fine          |                  |        |         |         |       |       |
|                                                                                            |                                                                      |            | Normal        |                  |        | Yes*1   | Yes*1   | Yes   | Yes   |
|                                                                                            |                                                                      | 4K-U       | Fine          |                  |        |         |         |       |       |
|                                                                                            |                                                                      |            | Normal        |                  |        | Yes*1   | Yes*1   | Yes   | Yes   |
|                                                                                            |                                                                      | 2K-D       | Fine          |                  |        |         |         | Yes   | Yes   |
|                                                                                            |                                                                      |            | Normal        | Yes*1            | Yes*1  | Yes*1   | Yes*1   | Yes   | Yes   |
|                                                                                            |                                                                      | Full HD    | Fine          |                  |        |         |         | Yes   | Yes   |
|                                                                                            |                                                                      |            | Normal        | Yes*1            | Yes*1  | Yes*1   | Yes*1   | Yes   | Yes   |
|                                                                                            | High Quality Intra<br>Standard Intra<br>Light Intra<br>Standard LGOP | 4K-D       | Fine          |                  |        |         |         |       |       |
|                                                                                            |                                                                      |            | Normal        |                  |        | Yes*1*3 | Yes*1*3 | Yes   | Yes   |
|                                                                                            |                                                                      | 4K-U       | Fine          |                  |        |         |         |       |       |
|                                                                                            |                                                                      |            | Normal        |                  |        | Yes*1*3 | Yes*1*3 | Yes   | Yes   |
|                                                                                            |                                                                      | 2K-D       | Fine          |                  |        |         |         | Yes   | Yes   |
|                                                                                            |                                                                      |            | Normal        | Yes*1            | Yes*1  | Yes*1   | Yes*1   | Yes   | Yes   |
|                                                                                            |                                                                      | Full HD    | Fine          |                  |        |         |         | Yes   | Yes   |
|                                                                                            |                                                                      |            | Normal        | Yes*1            | Yes*1  | Yes*1   | Yes*1   | Yes   | Yes   |
| XF-AVC S<br>YCC422<br>10bit                                                                | Standard Intra<br>Standard LGOP                                      | 4K-D       | Fine          |                  |        |         |         |       |       |
|                                                                                            |                                                                      |            | Normal        |                  |        | Yes*1*3 | Yes*1*3 | Yes   | Yes   |
|                                                                                            |                                                                      | 4K-U       | Fine          |                  |        |         |         |       |       |
|                                                                                            |                                                                      |            | Normal        |                  |        | Yes*1*3 | Yes*1*3 | Yes   | Yes   |
|                                                                                            |                                                                      | 2K-D       | Fine          |                  |        |         |         | Yes   | Yes   |
|                                                                                            |                                                                      |            | Normal        | Yes*1            | Yes*1  | Yes*1   | Yes*1   | Yes   | Yes   |
|                                                                                            |                                                                      | Full HD    | Fine          |                  |        |         |         | Yes   | Yes   |
|                                                                                            |                                                                      |            | Normal        | Yes*1            | Yes*1  | Yes*1   | Yes*1   | Yes   | Yes   |

|                   |              |      |   |  |  |  |  |     |     |
|-------------------|--------------|------|---|--|--|--|--|-----|-----|
| RAW <sup>n2</sup> | Standard RAW | RAW  | — |  |  |  |  |     |     |
|                   | Light RAW    |      |   |  |  |  |  | Yes | Yes |
|                   | Standard RAW | SRAW | — |  |  |  |  | Yes | Yes |
|                   | Light RAW    |      |   |  |  |  |  | Yes | Yes |

| Recording format                                                                        | Compression method / RAW format                                      | Resolution | Image quality | Frame rate (fps) |       |       |       |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------|---------------|------------------|-------|-------|-------|
|                                                                                         |                                                                      |            |               | 29.97            | 25.00 | 24.00 | 23.98 |
| XF-HEVC S<br>YCC422<br>10bit                                                            | High Quality Intra<br>Standard Intra<br>Light Intra<br>Standard LGOP | 8K-D       | Normal        | Yes*3            | Yes*3 | Yes   | Yes   |
|                                                                                         |                                                                      | 8K-U       |               | Yes*3            | Yes*3 |       | Yes   |
| XF-HEVC S<br>YCC420<br>10bit                                                            | Standard LGOP                                                        | 8K-D       | Normal        | Yes              | Yes   | Yes   | Yes   |
|                                                                                         |                                                                      | 8K-U       |               | Yes              | Yes   |       | Yes   |
| XF-HEVC S<br>YCC422<br>10bit<br>XF-HEVC S<br>YCC420<br>10bit<br>XF-AVC S<br>YCC420 8bit | Standard LGOP                                                        | 4K-D       | Fine          | Yes              | Yes   | Yes   | Yes   |
|                                                                                         |                                                                      |            | Normal        | Yes              | Yes   | Yes   | Yes   |
|                                                                                         |                                                                      | 4K-U       | Fine          | Yes              | Yes   |       | Yes   |
|                                                                                         |                                                                      |            | Normal        | Yes              | Yes   |       | Yes   |
|                                                                                         |                                                                      | 2K-D       | Fine          | Yes              | Yes   | Yes   | Yes   |
|                                                                                         |                                                                      |            | Normal        | Yes              | Yes   | Yes   | Yes   |
|                                                                                         |                                                                      | Full HD    | Fine          | Yes              | Yes   |       | Yes   |
|                                                                                         |                                                                      |            | Normal        | Yes              | Yes   |       | Yes   |
| XF-AVC S<br>YCC422<br>10bit                                                             | High Quality Intra<br>Standard Intra<br>Light Intra<br>Standard LGOP | 4K-D       | Fine          | Yes              | Yes   | Yes   | Yes   |
|                                                                                         |                                                                      |            | Normal        | Yes              | Yes   | Yes   | Yes   |
|                                                                                         |                                                                      | 4K-U       | Fine          | Yes              | Yes   |       | Yes   |
|                                                                                         |                                                                      |            | Normal        | Yes              | Yes   |       | Yes   |
|                                                                                         | Standard Intra<br>Standard LGOP                                      | 2K-D       | Fine          | Yes              | Yes   | Yes   | Yes   |
|                                                                                         |                                                                      |            | Normal        | Yes              | Yes   | Yes   | Yes   |
|                                                                                         |                                                                      | Full HD    | Fine          | Yes              | Yes   |       | Yes   |
|                                                                                         |                                                                      |            | Normal        | Yes              | Yes   |       | Yes   |
| RAW*2                                                                                   | Standard RAW                                                         | RAW        | —             | Yes              | Yes   | Yes   | Yes   |
|                                                                                         | Light RAW                                                            |            |               | Yes              | Yes   | Yes   | Yes   |
|                                                                                         | Standard RAW                                                         | SRAW       | —             | Yes              | Yes   | Yes   | Yes   |
|                                                                                         | Light RAW                                                            |            |               | Yes              | Yes   | Yes   | Yes   |

\* 1: With [High Frame Rate: Disable] setting, movie is recorded with audio and the movie is played back at actual speed. With [High Frame Rate: Enable] setting, no audio is recorded and the movie is played in slow motion at 29.97 fps (NTSC) /25.00 fps (PAL) when played back. Only exFAT-formatted cards can be used for recording (recording to FAT32-formatted cards is not possible).

\* 2: Recording is possible only when using an CFexpress card.

\* 3: High Quality Intra cannot be selected.

## Proxy movie

The recording format and movie recording size of the proxy movie are set automatically as shown in the table below depending on the recording format and movie recording size of the main movie.

| Main recording format                                  | Main movie recording size |                                                                      | Proxy recording format    | Proxy movie recording size |                             |
|--------------------------------------------------------|---------------------------|----------------------------------------------------------------------|---------------------------|----------------------------|-----------------------------|
|                                                        | Resolution                | Compression format                                                   |                           | Resolution                 | Compression format          |
| RAW                                                    | RAW<br>SRAW               | Standard RAW<br>Light RAW                                            | XF-AVC S<br>YCC420 8bit   | 2K-D                       | Standard LGOP<br>Light LGOP |
| XF-HEVC S<br>YCC422 10bit<br>XF-HEVC S<br>YCC420 10bit | 4K-D<br>2K-D              | Standard Intra<br>Light Intra<br>Standard LGOP                       | XF-HEVC S<br>YCC420 10bit | 2K-D                       |                             |
|                                                        | 4K-U<br>Full HD           |                                                                      |                           | Full HD                    |                             |
| XF-AVC S<br>YCC422 10bit<br>XF-AVC S<br>YCC420 8bit    | 4K-D<br>2K-D              | High Quality Intra<br>Standard Intra<br>Light Intra<br>Standard LGOP | XF-AVC S<br>YCC420 8bit   | 2K-D                       |                             |
|                                                        | 4K-U<br>Full HD           |                                                                      |                           | Full HD                    |                             |

\* The angle of view and frame rate of the proxy movie are the same as for the main movie.

\* The image quality (Normal/Fine) of the proxy movie is fixed to Normal.

\* When **[Main Proxy]** is set, a main movie of 100.00 fps or more is not possible.

\* Even if recording of the proxy movie stops due to an error, recording of the main movie continues.

\* If recording of the main movie stops, recording of the proxy movie also stops.

\* When **[Main Proxy]** is set, the recording time of the main movie is indicated. When **[Rec. to multiple]** is set, the recording time for the card with the least space is indicated.

\* If there is no card 1, the time available for recording of the proxy movie is indicated, and proxy movie recording is possible.

| Recording format                                     | Compression method / RAW format | Resolution | Image quality | Frame rate (fps) |        |        |        |       |       |
|------------------------------------------------------|---------------------------------|------------|---------------|------------------|--------|--------|--------|-------|-------|
|                                                      |                                 |            |               | 239.76           | 200.00 | 119.88 | 100.00 | 59.94 | 50.00 |
| XF-HEVC S<br>YCC420 10bit<br>XF-AVC S<br>YCC420 8bit | Standard LGOP<br>Light LGOP     | 2K-D       | Normal        |                  |        |        |        | Yes   | Yes   |
|                                                      |                                 | Full HD    |               |                  |        |        |        | Yes   | Yes   |

| Recording format                                     | Compression method / RAW format | Resolution | Image quality | Frame rate (fps) |       |       |       |
|------------------------------------------------------|---------------------------------|------------|---------------|------------------|-------|-------|-------|
|                                                      |                                 |            |               | 29.97            | 25.00 | 24.00 | 23.98 |
| XF-HEVC S<br>YCC420 10bit<br>XF-AVC S<br>YCC420 8bit | Standard LGOP<br>Light LGOP     | 2K-D       | Normal        | Yes              | Yes   | Yes   | Yes   |
|                                                      |                                 | Full HD    |               | Yes              | Yes   |       | Yes   |

## Built-in and external microphones

**Built-in microphone:** Monaural microphone

**External microphone (External microphone IN terminal):** 3.5 mm diameter stereo mini jack (3-pin)

**Multi-function shoe input:** Compatible with Directional Stereo Microphone DM-E1D

## Estimated recording time, movie bit rate, file size, and card performance requirements

### RAW, 8K-DCI Normal / 8K-UHD Normal

| Recording format | Compression method / RAW type | Frame rate (fps) | Total recording time (approx.) |         |               | Video bit rate (Approx. Mbps) | File size (Approx. MB/min.) |
|------------------|-------------------------------|------------------|--------------------------------|---------|---------------|-------------------------------|-----------------------------|
|                  |                               |                  | 64 GB                          | 256 GB  | 1 TB          |                               |                             |
| RAW              | Standard RAW                  | 29.97            | 3 min.                         | 13 min. | 51 min.       | 2600                          | 18631                       |
|                  |                               | 25.00            |                                |         |               |                               |                             |
|                  |                               | 24.00            |                                |         |               |                               |                             |
|                  |                               | 23.98            |                                |         |               |                               |                             |
|                  | Light RAW                     | 59.94            | 3 min.                         | 13 min. | 51 min.       | 2600                          | 18631                       |
|                  |                               | 50.00            |                                |         |               |                               |                             |
|                  |                               | 29.97            | 5 min.                         | 20 min. | 1 hr. 19 min. | 1670                          | 11979                       |
|                  |                               | 25.00            | 6 min.                         | 24 min. | 1 hr. 34 min. | 1400                          | 10048                       |
|                  |                               | 24.00            | 6 min.                         | 25 min. | 1 hr. 39 min. | 1340                          | 9619                        |
|                  |                               | 23.98            |                                |         |               |                               |                             |

|                              |                       |       |         |               |               |      |       |
|------------------------------|-----------------------|-------|---------|---------------|---------------|------|-------|
| XF-HEVC S<br>YCC422<br>10bit | High Quality<br>Intra | 24.00 | 4 min.  | 17 min.       | 1 hr. 9 min.  | 1920 | 13735 |
|                              |                       | 23.98 |         |               |               |      |       |
|                              | Standard<br>Intra     | 29.97 | 4 min.  | 18 min.       | 1 hr. 14 min. | 1800 | 12877 |
|                              |                       | 25.00 | 5 min.  | 22 min.       | 1 hr. 28 min. | 1500 | 10731 |
|                              |                       | 24.00 | 5 min.  | 23 min.       | 1 hr. 32 min. | 1440 | 10302 |
|                              |                       | 23.98 |         |               |               |      |       |
|                              | Light Intra           | 29.97 | 7 min.  | 28 min.       | 1 hr. 51 min. | 1200 | 8585  |
|                              |                       | 25.00 | 8 min.  | 34 min.       | 2 hr. 13 min. | 1000 | 7155  |
|                              |                       | 24.00 | 8 min.  | 35 min.       | 2 hr. 18 min. | 960  | 6869  |
|                              |                       | 23.98 |         |               |               |      |       |
|                              | Standard<br>LGOP      | 29.97 | 15 min. | 1 hr. 3 min.  | 4 hr. 6 min.  | 540  | 3865  |
|                              |                       | 25.00 |         |               |               |      |       |
|                              |                       | 24.00 |         |               |               |      |       |
|                              |                       | 23.98 |         |               |               |      |       |
| XF-HEVC S<br>YCC420<br>10bit | Standard<br>LGOP      | 29.97 | 21 min. | 1 hr. 25 min. | 5 hr. 33 min. | 400  | 2863  |
|                              |                       | 25.00 |         |               |               |      |       |
|                              |                       | 24.00 |         |               |               |      |       |
|                              |                       | 23.98 |         |               |               |      |       |

\* Video bit rate indicates video only; audio and metadata are not included.

\* When [Audio format: AAC / 16bit / 2CH] is set (when set to RAW movie, LPCM / 24bit / 4CH).

\* When [Add News Metadata: Off] is set.

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

\* When set to UHD, 24.00 fps is not available.

# RAW, 8K-DCI Normal / 8K-UHD Normal

| Recording format          | Compression method / RAW type | Frame rate (fps) | Card performance requirements                     |         |
|---------------------------|-------------------------------|------------------|---------------------------------------------------|---------|
|                           |                               |                  | CFexpress card                                    | SD card |
| RAW                       | Standard RAW                  | 29.97            | CFexpress 2.0<br>Type-B [400MB/sec.<br>or faster] | —       |
|                           |                               | 25.00            |                                                   |         |
|                           |                               | 24.00            |                                                   |         |
|                           |                               | 23.98            |                                                   |         |
|                           | Light RAW                     | 59.94            | CFexpress 2.0<br>Type-B [400MB/sec.<br>or faster] |         |
|                           |                               | 50.00            | CFexpress 2.0<br>Type-B [400MB/sec.<br>or faster] |         |
|                           |                               | 29.97            | CFexpress 2.0<br>Type-B [400MB/sec.<br>or faster] |         |
|                           |                               | 25.00            | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] |         |
|                           |                               | 24.00            | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] |         |
|                           |                               | 23.98            | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] |         |
| XF-HEVC S YCC422<br>10bit | High Quality Intra            | 24.00            | CFexpress 2.0<br>Type-B [400MB/sec.<br>or faster] |         |
|                           |                               | 23.98            |                                                   |         |
|                           | Standard Intra                | 29.97            | CFexpress 2.0<br>Type-B [400MB/sec.<br>or faster] |         |
|                           |                               | 25.00            | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] |         |
|                           |                               | 24.00            | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] |         |
|                           |                               | 23.98            | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] |         |
|                           | Light Intra                   | 29.97            | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] |         |
|                           |                               | 25.00            | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] |         |
|                           |                               | 24.00            | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] |         |
|                           |                               | 23.98            |                                                   |         |
|                           | Standard LGOP                 | 29.97            | CFexpress 2.0                                     | V90     |
|                           |                               | 25.00            |                                                   |         |
|                           |                               | 24.00            |                                                   |         |
|                           |                               | 23.98            |                                                   |         |

|                           |               |       |               |     |
|---------------------------|---------------|-------|---------------|-----|
| XF-HEVC S YCC420<br>10bit | Standard LGOP | 29.97 | CFexpress 2.0 | V60 |
|                           |               | 25.00 |               |     |
|                           |               | 24.00 |               |     |
|                           |               | 23.98 |               |     |

**SRAW, 4K-DCI Fine / 4K-UHD Fine**

| Recording format       | Compression method / RAW type | Frame rate (fps) | Total recording time (approx.) |               |                | Video bit rate (Approx. Mbps) | File size (Approx. MB/min.) |
|------------------------|-------------------------------|------------------|--------------------------------|---------------|----------------|-------------------------------|-----------------------------|
|                        |                               |                  | 64 GB                          | 256 GB        | 1 TB           |                               |                             |
| SRAW                   | Standard RAW                  | 59.94            | 4 min.                         | 18 min.       | 1 hr. 11 min.  | 1860                          | 13338                       |
|                        |                               | 50.00            | 5 min.                         | 21 min.       | 1 hr. 25 min.  | 1550                          | 11121                       |
|                        |                               | 29.97            | 9 min.                         | 36 min.       | 2 hr. 22 min.  | 930                           | 6686                        |
|                        |                               | 25.00            | 10 min.                        | 43 min.       | 2 hr. 49 min.  | 780                           | 5613                        |
|                        |                               | 24.00            | 11 min.                        | 45 min.       | 2 hr. 56 min.  | 750                           | 5399                        |
|                        |                               | 23.98            | 11 min.                        | 45 min.       | 2 hr. 59 min.  | 740                           | 5327                        |
|                        | Light RAW                     | 59.94            | 10 min.                        | 40 min.       | 2 hr. 37 min.  | 840                           | 6042                        |
|                        |                               | 50.00            | 12 min.                        | 48 min.       | 3 hr. 9 min.   | 700                           | 5041                        |
|                        |                               | 29.97            | 20 min.                        | 1 hr. 20 min. | 5 hr. 13 min.  | 420                           | 3038                        |
|                        |                               | 25.00            | 24 min.                        | 1 hr. 36 min. | 6 hr. 15 min.  | 350                           | 2538                        |
|                        |                               | 24.00            | 25 min.                        | 1 hr. 41 min. | 6 hr. 38 min.  | 330                           | 2395                        |
|                        |                               | 23.98            |                                |               |                |                               |                             |
| XF-HEVC S YCC422 10bit | Standard LGOP                 | 29.97            | 1 hr. 3 min.                   | 4 hr. 12 min. | 16 hr. 25 min. | 135                           | 968                         |
|                        |                               | 25.00            |                                |               |                |                               |                             |
|                        |                               | 24.00            |                                |               |                |                               |                             |
|                        |                               | 23.98            |                                |               |                |                               |                             |
| XF-HEVC S YCC420 10bit | Standard LGOP                 | 29.97            | 1 hr. 25 min.                  | 5 hr. 40 min. | 22 hr. 9 min.  | 100                           | 718                         |
|                        |                               | 25.00            |                                |               |                |                               |                             |
|                        |                               | 24.00            |                                |               |                |                               |                             |
|                        |                               | 23.98            |                                |               |                |                               |                             |

|                             |                       |       |               |               |                |     |      |
|-----------------------------|-----------------------|-------|---------------|---------------|----------------|-----|------|
| XF-AVC S<br>YCC420 8bit     | Standard<br>LGOP      | 29.97 | 1 hr. 25 min. | 5 hr. 40 min. | 22 hr. 9 min.  | 100 | 718  |
|                             |                       | 25.00 |               |               |                |     |      |
|                             |                       | 24.00 |               |               |                |     |      |
|                             |                       | 23.98 |               |               |                |     |      |
| XF-AVC S<br>YCC422<br>10bit | High Quality<br>Intra | 29.97 | 14 min.       | 56 min.       | 3 hr. 42 min.  | 600 | 4294 |
|                             |                       | 25.00 | 17 min.       | 1 hr. 8 min.  | 4 hr. 26 min.  | 500 | 3579 |
|                             |                       | 24.00 | 17 min.       | 1 hr. 11 min. | 4 hr. 37 min.  | 480 | 3436 |
|                             |                       | 23.98 |               |               |                |     |      |
|                             | Standard<br>Intra     | 29.97 | 18 min.       | 1 hr. 15 min. | 4 hr. 56 min.  | 450 | 3221 |
|                             |                       | 25.00 | 22 min.       | 1 hr. 30 min. | 5 hr. 55 min.  | 375 | 2685 |
|                             |                       | 24.00 | 23 min.       | 1 hr. 34 min. | 6 hr. 10 min.  | 360 | 2577 |
|                             |                       | 23.98 |               |               |                |     |      |
|                             | Light Intra           | 29.97 | 28 min.       | 1 hr. 53 min. | 7 hr. 24 min.  | 300 | 2148 |
|                             |                       | 25.00 | 34 min.       | 2 hr. 16 min. | 8 hr. 52 min.  | 250 | 1791 |
|                             |                       | 24.00 | 35 min.       | 2 hr. 22 min. | 9 hr. 14 min.  | 240 | 1719 |
|                             |                       | 23.98 |               |               |                |     |      |
|                             | Standard<br>LGOP      | 29.97 | 56 min.       | 3 hr. 47 min. | 14 hr. 47 min. | 150 | 1075 |
|                             |                       | 25.00 |               |               |                |     |      |
|                             |                       | 24.00 |               |               |                |     |      |
|                             |                       | 23.98 |               |               |                |     |      |

\* Video bit rate indicates video only; audio and metadata are not included.

\* When **[Audio format: AAC / 16bit / 2CH]** is set (when set to RAW movie, LPCM / 24bit / 4CH).

\* When **[Add News Metadata: Off]** is set.

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

\* When set to UHD, 24.00 fps is not available.

**SRAW, 4K-DCI Fine / 4K-UHD Fine**

| Recording format       | Compression method / RAW type | Frame rate (fps) | Card performance requirements               |         |
|------------------------|-------------------------------|------------------|---------------------------------------------|---------|
|                        |                               |                  | CFexpress card                              | SD card |
| SRAW                   | Standard RAW                  | 59.94            | CFexpress 2.0 Type-B [400MB/sec. or faster] | —       |
|                        |                               | 50.00            | CFexpress 2.0 Type-B [200MB/sec. or faster] |         |
|                        |                               | 29.97            | CFexpress 2.0 Type-B [200MB/sec. or faster] |         |
|                        |                               | 25.00            | CFexpress 2.0                               |         |
|                        |                               | 24.00            | CFexpress 2.0                               |         |
|                        |                               | 23.98            | CFexpress 2.0                               |         |
|                        | Light RAW                     | 59.94            | CFexpress 2.0 Type-B [200MB/sec. or faster] |         |
|                        |                               | 50.00            | CFexpress 2.0                               |         |
|                        |                               | 29.97            | CFexpress 2.0                               |         |
|                        |                               | 25.00            | CFexpress 2.0                               |         |
|                        |                               | 24.00            | CFexpress 2.0                               |         |
|                        |                               | 23.98            |                                             |         |
| XF-HEVC S YCC422 10bit | Standard LGOP                 | 29.97            | CFexpress 2.0                               | U3      |
|                        |                               | 25.00            |                                             |         |
|                        |                               | 24.00            |                                             |         |
|                        |                               | 23.98            |                                             |         |

|                           |                    |       |               |     |
|---------------------------|--------------------|-------|---------------|-----|
| XF-HEVC S YCC420<br>10bit | Standard LGOP      | 29.97 | CFexpress 2.0 | U3  |
|                           |                    | 25.00 |               |     |
|                           |                    | 24.00 |               |     |
|                           |                    | 23.98 |               |     |
| XF-AVC S YCC420<br>8bit   | Standard LGOP      | 29.97 | CFexpress 2.0 | U3  |
|                           |                    | 25.00 |               |     |
|                           |                    | 24.00 |               |     |
|                           |                    | 23.98 |               |     |
| XF-AVC S YCC422<br>10bit  | High Quality Intra | 29.97 | CFexpress 2.0 | V90 |
|                           |                    | 25.00 | CFexpress 2.0 | V90 |
|                           |                    | 24.00 | CFexpress 2.0 | V60 |
|                           |                    | 23.98 |               |     |
|                           | Standard Intra     | 29.97 | CFexpress 2.0 | V60 |
|                           |                    | 25.00 | CFexpress 2.0 | V60 |
|                           |                    | 24.00 | CFexpress 2.0 | V60 |
|                           |                    | 23.98 |               |     |
|                           | Light Intra        | 29.97 | CFexpress 2.0 | V60 |
|                           |                    | 25.00 | CFexpress 2.0 | V60 |
|                           |                    | 24.00 | CFexpress 2.0 | U3  |
|                           |                    | 23.98 |               |     |
|                           | Standard LGOP      | 29.97 | CFexpress 2.0 | U3  |
|                           |                    | 25.00 |               |     |
|                           |                    | 24.00 |               |     |
|                           |                    | 23.98 |               |     |

**4K-DCI Normal / 4K-UHD Normal**

| Recording format       | Compression method | Frame rate (fps) | Total recording time (approx.) |               |                | Video bit rate (Approx. Mbps) | File size (Approx. MB/min.) |
|------------------------|--------------------|------------------|--------------------------------|---------------|----------------|-------------------------------|-----------------------------|
|                        |                    |                  | 64 GB                          | 256 GB        | 1 TB           |                               |                             |
| XF-HEVC S YCC422 10bit | Standard LGOP      | 119.88           | 18 min.                        | 1 hr. 15 min. | 4 hr. 56 min.  | 450                           | 3221                        |
|                        |                    | 100.00           |                                |               |                |                               |                             |
|                        |                    | 59.94            | 37 min.                        | 2 hr. 31 min. | 9 hr. 51 min.  | 225                           | 1612                        |
|                        |                    | 50.00            |                                |               |                |                               |                             |
|                        |                    | 29.97            | 1 hr. 3 min.                   | 4 hr. 12 min. | 16 hr. 25 min. | 135                           | 968                         |
|                        |                    | 25.00            |                                |               |                |                               |                             |
|                        |                    | 24.00            |                                |               |                |                               |                             |
|                        |                    | 23.98            |                                |               |                |                               |                             |
| XF-HEVC S YCC420 10bit | Standard LGOP      | 119.88           | 28 min.                        | 1 hr. 53 min. | 7 hr. 24 min.  | 300                           | 2148                        |
|                        |                    | 100.00           |                                |               |                |                               |                             |
|                        |                    | 59.94            | 56 min.                        | 3 hr. 47 min. | 14 hr. 47 min. | 150                           | 1075                        |
|                        |                    | 50.00            |                                |               |                |                               |                             |
|                        |                    | 29.97            | 1 hr. 25 min.                  | 5 hr. 40 min. | 22 hr. 9 min.  | 100                           | 718                         |
|                        |                    | 25.00            |                                |               |                |                               |                             |
|                        |                    | 24.00            |                                |               |                |                               |                             |
|                        |                    | 23.98            |                                |               |                |                               |                             |
| XF-AVC S YCC420 8bit   | Standard LGOP      | 119.88           | 28 min.                        | 1 hr. 53 min. | 7 hr. 24 min.  | 300                           | 2148                        |
|                        |                    | 100.00           |                                |               |                |                               |                             |
|                        |                    | 59.94            | 56 min.                        | 3 hr. 47 min. | 14 hr. 47 min. | 150                           | 1075                        |
|                        |                    | 50.00            |                                |               |                |                               |                             |
|                        |                    | 29.97            | 1 hr. 25 min.                  | 5 hr. 40 min. | 22 hr. 9 min.  | 100                           | 718                         |
|                        |                    | 25.00            |                                |               |                |                               |                             |
|                        |                    | 24.00            |                                |               |                |                               |                             |
|                        |                    | 23.98            |                                |               |                |                               |                             |

|                             |                       |        |         |               |               |      |       |
|-----------------------------|-----------------------|--------|---------|---------------|---------------|------|-------|
| XF-AVC S<br>YCC422<br>10bit | High Quality<br>Intra | 59.94  | 7 min.  | 28 min.       | 1 hr. 51 min. | 1200 | 8585  |
|                             |                       | 50.00  | 8 min.  | 34 min.       | 2 hr. 13 min. | 1000 | 7155  |
|                             |                       | 29.97  | 14 min. | 56 min.       | 3 hr. 42 min. | 600  | 4294  |
|                             |                       | 25.00  | 17 min. | 1 hr. 8 min.  | 4 hr. 26 min. | 500  | 3579  |
|                             |                       | 24.00  | 17 min. | 1 hr. 11 min. | 4 hr. 37 min. | 480  | 3436  |
|                             |                       | 23.98  |         |               |               |      |       |
|                             | Standard<br>Intra     | 119.88 | 4 min.  | 18 min.       | 1 hr. 14 min. | 1800 | 12877 |
|                             |                       | 100.00 | 5 min.  | 22 min.       | 1 hr. 28 min. | 1500 | 10731 |
|                             |                       | 59.94  | 9 min.  | 37 min.       | 2 hr. 28 min. | 900  | 6440  |
|                             |                       | 50.00  | 11 min. | 45 min.       | 2 hr. 57 min. | 750  | 5367  |
|                             |                       | 29.97  | 18 min. | 1 hr. 15 min. | 4 hr. 56 min. | 450  | 3221  |
|                             |                       | 25.00  | 22 min. | 1 hr. 30 min. | 5 hr. 55 min. | 375  | 2685  |
|                             |                       | 24.00  | 23 min. | 1 hr. 34 min. | 6 hr. 10 min. | 360  | 2577  |
|                             |                       | 23.98  |         |               |               |      |       |
|                             | Light Intra           | 119.88 | 7 min.  | 28 min.       | 1 hr. 51 min. | 1200 | 8585  |
|                             |                       | 100.00 | 8 min.  | 34 min.       | 2 hr. 13 min. | 1000 | 7155  |
|                             |                       | 59.94  | 14 min. | 56 min.       | 3 hr. 42 min. | 600  | 4294  |
|                             |                       | 50.00  | 17 min. | 1 hr. 8 min.  | 4 hr. 26 min. | 500  | 3579  |
|                             |                       | 29.97  | 28 min. | 1 hr. 53 min. | 7 hr. 24 min. | 300  | 2148  |
|                             |                       | 25.00  | 34 min. | 2 hr. 16 min. | 8 hr. 52 min. | 250  | 1791  |
|                             |                       | 24.00  | 35 min. | 2 hr. 22 min. | 9 hr. 14 min. | 240  | 1719  |
|                             |                       | 23.98  |         |               |               |      |       |

|  |                  |        |         |               |                |     |      |
|--|------------------|--------|---------|---------------|----------------|-----|------|
|  | Standard<br>LGOP | 119.88 | 17 min. | 1 hr. 8 min.  | 4 hr. 26 min.  | 500 | 3579 |
|  |                  | 100.00 |         |               |                |     |      |
|  |                  | 59.94  | 34 min. | 2 hr. 16 min. | 8 hr. 52 min.  | 250 | 1791 |
|  |                  | 50.00  |         |               |                |     |      |
|  |                  | 29.97  | 56 min. | 3 hr. 47 min. | 14 hr. 47 min. | 150 | 1075 |
|  |                  | 25.00  |         |               |                |     |      |
|  |                  | 24.00  |         |               |                |     |      |
|  |                  | 23.98  |         |               |                |     |      |

\* Video bit rate indicates video only; audio and metadata are not included.

\* When **[Audio format: AAC / 16bit / 2CH]** is set.

\* When **[Add News Metadata: Off]** is set.

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

\* Same applies when **[Movie cropping: Enable]** is set.

\* When set to UHD, 24.00 fps is not available.

# 4K-DCI Normal / 4K-UHD Normal

| Recording format          | Compression method | Frame rate (fps) | Card performance requirements |         |
|---------------------------|--------------------|------------------|-------------------------------|---------|
|                           |                    |                  | CFexpress card                | SD card |
| XF-HEVC S YCC422<br>10bit | Standard LGOP      | 119.88           | CFexpress 2.0                 | V60     |
|                           |                    | 100.00           |                               |         |
|                           |                    | 59.94            | CFexpress 2.0                 | V60     |
|                           |                    | 50.00            |                               |         |
|                           |                    | 29.97            | CFexpress 2.0                 | U3      |
|                           |                    | 25.00            |                               |         |
|                           |                    | 24.00            |                               |         |
|                           |                    | 23.98            |                               |         |
| XF-HEVC S YCC420<br>10bit | Standard LGOP      | 119.88           | CFexpress 2.0                 | V60     |
|                           |                    | 100.00           |                               |         |
|                           |                    | 59.94            | CFexpress 2.0                 | U3      |
|                           |                    | 50.00            |                               |         |
|                           |                    | 29.97            | CFexpress 2.0                 | U3      |
|                           |                    | 25.00            |                               |         |
|                           |                    | 24.00            |                               |         |
|                           |                    | 23.98            |                               |         |
| XF-AVC S YCC420<br>8bit   | Standard LGOP      | 119.88           | CFexpress 2.0                 | V60     |
|                           |                    | 100.00           |                               |         |
|                           |                    | 59.94            | CFexpress 2.0                 | U3      |
|                           |                    | 50.00            |                               |         |
|                           |                    | 29.97            | CFexpress 2.0                 | U3      |
|                           |                    | 25.00            |                               |         |
|                           |                    | 24.00            |                               |         |
|                           |                    | 23.98            |                               |         |

|                          |                    |        |                                                   |     |
|--------------------------|--------------------|--------|---------------------------------------------------|-----|
| XF-AVC S YCC422<br>10bit | High Quality Intra | 59.94  | CFexpress 2.0                                     | —   |
|                          |                    | 50.00  | CFexpress 2.0                                     | —   |
|                          |                    | 29.97  | CFexpress 2.0                                     | V90 |
|                          |                    | 25.00  | CFexpress 2.0                                     | V90 |
|                          |                    | 24.00  | CFexpress 2.0                                     | V60 |
|                          |                    | 23.98  |                                                   |     |
|                          | Standard Intra     | 119.88 | CFexpress 2.0<br>Type-B [400MB/sec.<br>or faster] | —   |
|                          |                    | 100.00 | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] | —   |
|                          |                    | 59.94  | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] | —   |
|                          |                    | 50.00  | CFexpress 2.0                                     | —   |
|                          |                    | 29.97  | CFexpress 2.0                                     | V60 |
|                          |                    | 25.00  | CFexpress 2.0                                     | V60 |
|                          |                    | 24.00  | CFexpress 2.0                                     | V60 |
|                          |                    | 23.98  |                                                   |     |
|                          | Light Intra        | 119.88 | CFexpress 2.0                                     | —   |
|                          |                    | 100.00 | CFexpress 2.0                                     | —   |
|                          |                    | 59.94  | CFexpress 2.0                                     | V90 |
|                          |                    | 50.00  | CFexpress 2.0                                     | V90 |
|                          |                    | 29.97  | CFexpress 2.0                                     | V60 |
|                          |                    | 25.00  | CFexpress 2.0                                     | V60 |
|                          |                    | 24.00  | CFexpress 2.0                                     | U3  |
|                          |                    | 23.98  |                                                   |     |

|  |               |        |               |     |
|--|---------------|--------|---------------|-----|
|  | Standard LGOP | 119.88 | CFexpress 2.0 | V90 |
|  |               | 100.00 |               |     |
|  |               | 59.94  | CFexpress 2.0 | V60 |
|  |               | 50.00  |               |     |
|  |               | 29.97  | CFexpress 2.0 | U3  |
|  |               | 25.00  |               |     |
|  |               | 24.00  |               |     |
|  |               | 23.98  |               |     |

## 2K-DCI Fine / Full HD Fine

| Recording format       | Compression method | Frame rate (fps) | Total recording time (approx.) |                |                | Video bit rate (Approx. Mbps) | File size (Approx. MB/min.) |
|------------------------|--------------------|------------------|--------------------------------|----------------|----------------|-------------------------------|-----------------------------|
|                        |                    |                  | 64 GB                          | 256 GB         | 1 TB           |                               |                             |
| XF-HEVC S YCC422 10bit | Standard LGOP      | 59.94            | 2 hr. 49 min.                  | 11 hr. 19 min. | 44 hr. 12 min. | 50                            | 360                         |
|                        |                    | 50.00            |                                |                |                |                               |                             |
|                        |                    | 29.97            |                                |                |                |                               |                             |
|                        |                    | 25.00            |                                |                |                |                               |                             |
|                        |                    | 24.00            |                                |                |                |                               |                             |
|                        |                    | 23.98            |                                |                |                |                               |                             |
| XF-HEVC S YCC420 10bit | Standard LGOP      | 59.94            | 4 hr. 2 min.                   | 16 hr. 7 min.  | 63 hr. 1 min.  | 35                            | 253                         |
|                        |                    | 50.00            |                                |                |                |                               |                             |
|                        |                    | 29.97            |                                |                |                |                               |                             |
|                        |                    | 25.00            |                                |                |                |                               |                             |
|                        |                    | 24.00            |                                |                |                |                               |                             |
|                        |                    | 23.98            |                                |                |                |                               |                             |
| XF-AVC S YCC420 8bit   | Standard LGOP      | 59.94            | 4 hr. 2 min.                   | 16 hr. 7 min.  | 63 hr. 1 min.  | 35                            | 253                         |
|                        |                    | 50.00            |                                |                |                |                               |                             |
|                        |                    | 29.97            |                                |                |                |                               |                             |
|                        |                    | 25.00            |                                |                |                |                               |                             |
|                        |                    | 24.00            |                                |                |                |                               |                             |
|                        |                    | 23.98            |                                |                |                |                               |                             |

|                             |                   |       |               |                |                |     |      |
|-----------------------------|-------------------|-------|---------------|----------------|----------------|-----|------|
| XF-AVC S<br>YCC422<br>10bit | Standard<br>Intra | 59.94 | 28 min.       | 1 hr. 53 min.  | 7 hr. 24 min.  | 300 | 2148 |
|                             |                   | 50.00 | 34 min.       | 2 hr. 16 min.  | 8 hr. 52 min.  | 250 | 1791 |
|                             |                   | 29.97 | 56 min.       | 3 hr. 47 min.  | 14 hr. 47 min. | 150 | 1075 |
|                             |                   | 25.00 | 1 hr. 8 min.  | 4 hr. 32 min.  | 17 hr. 44 min. | 125 | 896  |
|                             |                   | 24.00 | 1 hr. 10 min. | 4 hr. 43 min.  | 18 hr. 28 min. | 120 | 861  |
|                             |                   | 23.98 |               |                |                |     |      |
|                             | Standard<br>LGOP  | 59.94 | 2 hr. 49 min. | 11 hr. 19 min. | 44 hr. 12 min. | 50  | 360  |
|                             |                   | 50.00 |               |                |                |     |      |
|                             |                   | 29.97 |               |                |                |     |      |
|                             |                   | 25.00 |               |                |                |     |      |
|                             |                   | 24.00 |               |                |                |     |      |
|                             |                   | 23.98 |               |                |                |     |      |

\* Video bit rate indicates video only; audio and metadata are not included.

\* When [Audio format: AAC / 16bit / 2CH] is set.

\* When [Add News Metadata: Off] is set.

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

\* When set to Full HD, 24.00 fps is not available.

## 2K-DCI Fine / Full HD Fine

| Recording format          | Compression method | Frame rate (fps) | Card performance requirements |         |
|---------------------------|--------------------|------------------|-------------------------------|---------|
|                           |                    |                  | CFexpress card                | SD card |
| XF-HEVC S YCC422<br>10bit | Standard LGOP      | 59.94            | CFexpress 2.0                 | U3      |
|                           |                    | 50.00            |                               |         |
|                           |                    | 29.97            |                               |         |
|                           |                    | 25.00            |                               |         |
|                           |                    | 24.00            |                               |         |
|                           |                    | 23.98            |                               |         |
| XF-HEVC S YCC420<br>10bit | Standard LGOP      | 59.94            | CFexpress 2.0                 | U3      |
|                           |                    | 50.00            |                               |         |
|                           |                    | 29.97            |                               |         |
|                           |                    | 25.00            |                               |         |
|                           |                    | 24.00            |                               |         |
|                           |                    | 23.98            |                               |         |
| XF-AVC S YCC420<br>8bit   | Standard LGOP      | 59.94            | CFexpress 2.0                 | U3      |
|                           |                    | 50.00            |                               |         |
|                           |                    | 29.97            |                               |         |
|                           |                    | 25.00            |                               |         |
|                           |                    | 24.00            |                               |         |
|                           |                    | 23.98            |                               |         |

|                          |                |       |               |     |
|--------------------------|----------------|-------|---------------|-----|
| XF-AVC S YCC422<br>10bit | Standard Intra | 59.94 | CFexpress 2.0 | V60 |
|                          |                | 50.00 | CFexpress 2.0 | V60 |
|                          |                | 29.97 | CFexpress 2.0 | U3  |
|                          |                | 25.00 | CFexpress 2.0 | U3  |
|                          |                | 24.00 | CFexpress 2.0 | U3  |
|                          |                | 23.98 |               |     |
|                          | Standard LGOP  | 59.94 | CFexpress 2.0 | U3  |
|                          |                | 50.00 |               |     |
|                          |                | 29.97 |               |     |
|                          |                | 25.00 |               |     |
|                          |                | 24.00 |               |     |
|                          |                | 23.98 |               |     |

## 2K-DCI Normal / Full HD Normal

| Recording format                                        | Compression method | Frame rate (fps) | Total recording time (approx.) |                |                | Video bit rate (Approx. Mbps) | File size (Approx. MB/min.) |
|---------------------------------------------------------|--------------------|------------------|--------------------------------|----------------|----------------|-------------------------------|-----------------------------|
|                                                         |                    |                  | 64 GB                          | 256 GB         | 1 TB           |                               |                             |
| XF-HEVC S<br>YCC422<br>10bit                            | Standard<br>LGOP   | 239.76           | 42 min.                        | 2 hr. 50 min.  | 11 hr. 5 min.  | 200                           | 1433                        |
|                                                         |                    | 200.00           |                                |                |                |                               |                             |
|                                                         |                    | 119.88           | 1 hr. 25 min.                  | 5 hr. 40 min.  | 22 hr. 9 min.  | 100                           | 718                         |
|                                                         |                    | 100.00           |                                |                |                |                               |                             |
|                                                         |                    | 59.94            | 2 hr. 49 min.                  | 11 hr. 19 min. | 44 hr. 12 min. | 50                            | 360                         |
|                                                         |                    | 50.00            |                                |                |                |                               |                             |
|                                                         |                    | 29.97            |                                |                |                |                               |                             |
|                                                         |                    | 25.00            |                                |                |                |                               |                             |
|                                                         |                    | 24.00            |                                |                |                |                               |                             |
|                                                         |                    | 23.98            |                                |                |                |                               |                             |
| XF-HEVC S<br>YCC420<br>10bit<br>XF-AVC S<br>YCC420 8bit | Standard<br>LGOP   | 239.76           | 1 hr.                          | 4 hr. 3 min.   | 15 hr. 50 min. | 140                           | 1004                        |
|                                                         |                    | 200.00           |                                |                |                |                               |                             |
|                                                         |                    | 119.88           | 2 hr. 1 min.                   | 8 hr. 5 min.   | 31 hr. 37 min. | 70                            | 503                         |
|                                                         |                    | 100.00           |                                |                |                |                               |                             |
|                                                         |                    | 59.94            | 4 hr. 2 min.                   | 16 hr. 7 min.  | 63 hr. 1 min.  | 35                            | 253                         |
|                                                         |                    | 50.00            |                                |                |                |                               |                             |
|                                                         |                    | 29.97            |                                |                |                |                               |                             |
|                                                         |                    | 25.00            |                                |                |                |                               |                             |
|                                                         |                    | 24.00            |                                |                |                |                               |                             |
|                                                         |                    | 23.98            |                                |                |                |                               |                             |

|                             |                   |        |               |                |                |      |      |
|-----------------------------|-------------------|--------|---------------|----------------|----------------|------|------|
| XF-AVC S<br>YCC422<br>10bit | Standard<br>Intra | 239.76 | 7 min.        | 28 min.        | 1 hr. 51 min.  | 1200 | 8585 |
|                             |                   | 200.00 | 8 min.        | 34 min.        | 2 hr. 13 min.  | 1000 | 7155 |
|                             |                   | 119.88 | 14 min.       | 56 min.        | 3 hr. 42 min.  | 600  | 4294 |
|                             |                   | 100.00 | 17 min.       | 1 hr. 8 min.   | 4 hr. 26 min.  | 500  | 3579 |
|                             |                   | 59.94  | 28 min.       | 1 hr. 53 min.  | 7 hr. 24 min.  | 300  | 2148 |
|                             |                   | 50.00  | 34 min.       | 2 hr. 16 min.  | 8 hr. 52 min.  | 250  | 1791 |
|                             |                   | 29.97  | 56 min.       | 3 hr. 47 min.  | 14 hr. 47 min. | 150  | 1075 |
|                             |                   | 25.00  | 1 hr. 8 min.  | 4 hr. 32 min.  | 17 hr. 44 min. | 125  | 896  |
|                             |                   | 24.00  | 1 hr. 10 min. | 4 hr. 43 min.  | 18 hr. 28 min. | 120  | 861  |
|                             |                   | 23.98  |               |                |                |      |      |
|                             | Standard<br>LGOP  | 239.76 | 42 min.       | 2 hr. 50 min.  | 11 hr. 5 min.  | 200  | 1433 |
|                             |                   | 200.00 |               |                |                |      |      |
|                             |                   | 119.88 | 1 hr. 25 min. | 5 hr. 40 min.  | 22 hr. 9 min.  | 100  | 718  |
|                             |                   | 100.00 |               |                |                |      |      |
|                             |                   | 59.94  | 2 hr. 49 min. | 11 hr. 19 min. | 44 hr. 12 min. | 50   | 360  |
|                             |                   | 50.00  |               |                |                |      |      |
|                             |                   | 29.97  |               |                |                |      |      |
|                             |                   | 25.00  |               |                |                |      |      |
|                             |                   | 24.00  |               |                |                |      |      |
|                             |                   | 23.98  |               |                |                |      |      |

\* Video bit rate indicates video only; audio and metadata are not included.

\* When **[Audio format: AAC / 16bit / 2CH]** is set.

\* When **[Add News Metadata: Off]** is set.

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

\* Same applies when **[Movie cropping: Enable]** is set.

\* When set to Full HD, 24.00 fps is not available.

## 2K-DCI Normal / Full HD Normal

| Recording format                                     | Compression method | Frame rate (fps) | Card performance requirements |         |
|------------------------------------------------------|--------------------|------------------|-------------------------------|---------|
|                                                      |                    |                  | CFexpress card                | SD card |
| XF-HEVC S YCC422<br>10bit                            | Standard LGOP      | 239.76           | CFexpress 2.0                 | U3      |
|                                                      |                    | 200.00           |                               |         |
|                                                      |                    | 119.88           | CFexpress 2.0                 | U3      |
|                                                      |                    | 100.00           |                               |         |
|                                                      |                    | 59.94            | CFexpress 2.0                 | U3      |
|                                                      |                    | 50.00            |                               |         |
|                                                      |                    | 29.97            |                               |         |
|                                                      |                    | 25.00            |                               |         |
|                                                      |                    | 24.00            |                               |         |
|                                                      |                    | 23.98            |                               |         |
| XF-HEVC S YCC420<br>10bit<br>XF-AVC S YCC420<br>8bit | Standard LGOP      | 239.76           | CFexpress 2.0                 | U3      |
|                                                      |                    | 200.00           |                               |         |
|                                                      |                    | 119.88           | CFexpress 2.0                 | U3      |
|                                                      |                    | 100.00           |                               |         |
|                                                      |                    | 59.94            | CFexpress 2.0                 | U3      |
|                                                      |                    | 50.00            |                               |         |
|                                                      |                    | 29.97            |                               |         |
|                                                      |                    | 25.00            |                               |         |
|                                                      |                    | 24.00            |                               |         |
|                                                      |                    | 23.98            |                               |         |

|                          |                |        |                                                   |     |
|--------------------------|----------------|--------|---------------------------------------------------|-----|
| XF-AVC S YCC422<br>10bit | Standard Intra | 239.76 | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] | —   |
|                          |                | 200.00 | CFexpress 2.0<br>Type-B [200MB/sec.<br>or faster] | —   |
|                          |                | 119.88 | CFexpress 2.0                                     | V90 |
|                          |                | 100.00 | CFexpress 2.0                                     | V90 |
|                          |                | 59.94  | CFexpress 2.0                                     | V60 |
|                          |                | 50.00  | CFexpress 2.0                                     | V60 |
|                          |                | 29.97  | CFexpress 2.0                                     | U3  |
|                          |                | 25.00  | CFexpress 2.0                                     | U3  |
|                          |                | 24.00  | CFexpress 2.0                                     | U3  |
|                          |                | 23.98  |                                                   |     |
|                          | Standard LGOP  | 239.76 | CFexpress 2.0                                     | U3  |
|                          |                | 200.00 |                                                   |     |
|                          |                | 119.88 | CFexpress 2.0                                     | U3  |
|                          |                | 100.00 |                                                   |     |
|                          |                | 59.94  | CFexpress 2.0                                     | U3  |
|                          |                | 50.00  |                                                   |     |
|                          |                | 29.97  |                                                   |     |
|                          |                | 25.00  |                                                   |     |
|                          |                | 24.00  |                                                   |     |
|                          |                | 23.98  |                                                   |     |

# Proxy movie (2K-DCI Normal / Full HD Normal)

| Recording format                                        | Compression method | Frame rate (fps) | Total recording time (approx.) |                |                 | Video bit rate (Approx. Mbps) | File size (Approx. MB/min.) |
|---------------------------------------------------------|--------------------|------------------|--------------------------------|----------------|-----------------|-------------------------------|-----------------------------|
|                                                         |                    |                  | 64 GB                          | 256 GB         | 1 TB            |                               |                             |
| XF-HEVC S<br>YCC420<br>10bit<br>XF-AVC S<br>YCC420 8bit | Standard LGOP      | 59.94            | 8 hr. 44 min.                  | 34 hr. 58 min. | 136 hr. 39 min. | 16                            | 117                         |
|                                                         |                    | 50.00            |                                |                |                 |                               |                             |
|                                                         |                    | 29.97            |                                |                |                 |                               |                             |
|                                                         |                    | 25.00            |                                |                |                 |                               |                             |
|                                                         |                    | 24.00            |                                |                |                 |                               |                             |
|                                                         |                    | 23.98            |                                |                |                 |                               |                             |
|                                                         | Light LGOP         | 59.94            | 15 hr. 21 min.                 | 61 hr. 25 min. | 239 hr. 55 min. | 9                             | 67                          |
|                                                         |                    | 50.00            |                                |                |                 |                               |                             |
|                                                         |                    | 29.97            |                                |                |                 |                               |                             |
|                                                         |                    | 25.00            |                                |                |                 |                               |                             |
|                                                         |                    | 24.00            |                                |                |                 |                               |                             |
|                                                         |                    | 23.98            |                                |                |                 |                               |                             |

\* Video bit rate indicates video only; audio and metadata are not included.

\* When **[Audio format: AAC / 16bit / 2CH]** is set.

\* When **[Add News Metadata: Off]** is set.

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

\* When set to Full HD, 24.00 fps is not available.

# Proxy movie (2K-DCI Normal / Full HD Normal)

| Recording format                                     | Compression method | Frame rate (fps) | Card performance requirements |         |
|------------------------------------------------------|--------------------|------------------|-------------------------------|---------|
|                                                      |                    |                  | CFexpress card                | SD card |
| XF-HEVC S YCC420<br>10bit<br>XF-AVC S YCC420<br>8bit | Standard LGOP      | 59.94            | CFexpress 2.0                 | U3      |
|                                                      |                    | 50.00            |                               |         |
|                                                      |                    | 29.97            |                               |         |
|                                                      |                    | 25.00            |                               |         |
|                                                      |                    | 24.00            |                               |         |
|                                                      |                    | 23.98            |                               |         |
|                                                      | Light LGOP         | 59.94            | CFexpress 2.0                 | U3      |
|                                                      |                    | 50.00            |                               |         |
|                                                      |                    | 29.97            |                               |         |
|                                                      |                    | 25.00            |                               |         |
|                                                      |                    | 24.00            |                               |         |
|                                                      |                    | 23.98            |                               |         |

## Autofocus (AF)

**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

Movie recording

- 8K30p: EV -4.5 to 21
- 4K30p: EV -3.5 to 21
- Full HD30p: 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

### Focusing operation

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

\* 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. 975 zones (39×25)                           |

\* May vary depending on settings.

## Selectable positions for AF point

|                      |              |                                                 |
|----------------------|--------------|-------------------------------------------------|
| Focusing area        |              | Horizontal: Approx. 90%, Vertical: Approx. 100% |
| Numbers of positions | Still photos | Max. 5850 positions (90×65)                     |
|                      | Movies       | Max. 4500 positions (90×50)                     |

\* 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.

## Eye control

This feature is for still photo shooting.

**Detection method:** Line-of-sight detection using corneal reflections (Purkinje images) acquired using infrared LEDs and an image of the user's pupil

## Viewfinder

**Type:** OLED color electronic viewfinder

**Screen size:** Approx. 1.3 cm (0.5 inch)

**Dot count:** Approx. 5,760,000 dots

**Magnification / Angle of view:** Approx. 0.76x / Approx. 35.5° (at an aspect ratio of 3:2 and with a 50 mm lens at infinity,  $-1\text{ m}^{-1}$ )

**Coverage:** Approx. 100% (at L image size, an aspect ratio of 3:2, and approx. 24 mm eyepoint)

**Eyepoint:** Approx. 24 mm (at  $-1\text{ m}^{-1}$  from eyepiece lens end)

**Dioptric adjustment:** Approx.  $-4.0$  to  $+2.0\text{ m}^{-1}$  (dpt)

## Screen

**Type:** TFT color LCD screen

**Screen size:** Approx. 8.0 cm (3.2 inch) (aspect ratio of 3:2)

**Dot count:** Approx. 2,100,000 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

## LCD panel

**Type:** Reflective memory LCD

**Display format:** Dot-matrix display

**Dot count:** 128 × 128 dots

## HDMI output

**Output terminal:** HDMI output terminal (Type A)

\* HDMI CEC not supported

**HDMI resolution:** Auto / 1080p / 1080i

## Exposure control

### Metering functions under various shooting conditions

| Item                                                     |                         | Still photo shooting                                | Movie recording                                                        |
|----------------------------------------------------------|-------------------------|-----------------------------------------------------|------------------------------------------------------------------------|
| Metering sensor                                          |                         | Based on the image sensor output signals            |                                                                        |
|                                                          |                         | 6144-zone (96×64) metering*1                        | DCI: 4800-zone (96×50) metering*1<br>UHD: 5184-zone (96×54) metering*1 |
| Metering mode                                            | Evaluative metering     | Yes                                                 | Yes                                                                    |
|                                                          | Partial metering        | Yes<br>* Approx. 9.5% in the center of the screen*3 |                                                                        |
|                                                          | Spot metering*2         | Yes<br>* Approx. 5.3% in the center of the screen*3 |                                                                        |
|                                                          | Center-weighted average | Yes                                                 | —                                                                      |
| Metering brightness range (at room temperature, ISO 100) |                         | EV -3 to 20                                         | EV -1 to 20                                                            |

\* 1: Same applies when [1.6x (crop)] or [Movie cropping: Enable] is set.

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

\* 3: When set to Full-frame. Values differ for 1.6x (crop).

## ISO speed (recommended exposure index) in still photo shooting

### Manual ISO speed setting for still photos

|                    | ISO speed                                              |
|--------------------|--------------------------------------------------------|
| Normal ISO speed   | ISO 100–51200                                          |
| Expanded ISO speed | L (equivalent to ISO 50), H (equivalent to ISO 102400) |

\* When set to **[Highlight tone priority]**, the available manual setting range is ISO 200–51200.

\* Expanded ISO speeds are not available when **[HDR shooting (PQ): HDR PQ]** is set.

### Manual ISO speed setting range for still photos

| ISO speed range | ISO speed                               |
|-----------------|-----------------------------------------|
| Minimum         | L (equivalent to ISO 50) to ISO 51200   |
| Maximum         | ISO 100 to H (equivalent to ISO 102400) |

### ISO Auto setting range for still photos

| Auto range | ISO speed     |
|------------|---------------|
| Minimum    | ISO 100–25600 |
| Maximum    | ISO 200–51200 |

### 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                         |
| <b>[A]</b> <sup>+</sup> | ISO 100–12800                              | ISO 100–6400                                         | ISO 100–1600                              |
| Fv / P / Av / M / Tv    | ISO 100 <sup>1+2</sup> –51200 <sup>2</sup> | ISO 100 <sup>1+2</sup> –6400 <sup>2</sup>            | ISO 100 <sup>1+2</sup> –1600 <sup>2</sup> |
| BULB                    | ISO 400 <sup>3</sup>                       | ISO 400 <sup>3</sup>                                 |                                           |

\* 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 most close 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)

|                    | Custom Picture              | ISO speed                                                                                                            |
|--------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------|
| Normal ISO speed   | Off*1*2                     | ISO 100–25600                                                                                                        |
|                    | Canon 709 / PQ / HLG        | ISO 400–25600                                                                                                        |
|                    | Canon Log 2 / Canon Log 3   | ISO 800–25600                                                                                                        |
|                    | BT.709 Standard             | ISO 160–25600                                                                                                        |
| Expanded ISO speed | Off*3*4*5*6                 | H (equivalent to ISO 32000, 40000, or 51200)                                                                         |
|                    | Canon 709 / PQ / HLG*6      | L (equivalent to ISO 100, 125, 160, 200, 250, or 320)<br>H (equivalent to ISO 32000, 40000, or 51200)                |
|                    | Canon Log 2 / Canon Log 3*6 | L (equivalent to ISO 100, 125, 160, 200, 250, 320, 400, 500, or 640)<br>H (equivalent to ISO 32000, 40000, or 51200) |
|                    | BT.709 Standard*6           | L (equivalent to ISO 100 or 125)<br>H (equivalent to ISO 32000, 40000, or 51200)                                     |

\* 1: The lower end of the ISO speed range starts from ISO 200 when **[Highlight tone priority]** is set.

\* 2: Settable ISO speeds are ISO 800 – ISO 12800 when **[HDMI] HDR Movie Mode: Enable** is set.

\* 3: Expanded ISO speeds are not available when **[PQ] HDR shooting (PQ): HDR PQ** is set.

\* 4: Expanded ISO speeds are not available when **[HDMI] HDR Movie Mode: Enable** is set.

\* 5: Expanded ISO speeds are not available when **[Highlight tone priority]** is set.

\* 6: Expanded ISO speeds are not available in RAW movie recording.

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

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

|                    | Custom Picture              | ISO speed                                    |
|--------------------|-----------------------------|----------------------------------------------|
| Normal ISO speed   | Off*1*2                     | ISO 100–25600                                |
|                    | Canon 709 / PQ / HLG        | ISO 400–25600                                |
|                    | Canon Log 2 / Canon Log 3   | ISO 800–25600                                |
|                    | BT.709 Standard             | ISO 160–25600                                |
| Expanded ISO speed | Off*3*4*5*6                 | H (equivalent to ISO 32000, 40000, or 51200) |
|                    | Canon 709 / PQ / HLG*6      |                                              |
|                    | Canon Log 2 / Canon Log 3*6 |                                              |
|                    | BT.709 Standard*6           |                                              |

\* 1: The lower end of the ISO speed range starts from ISO 200 when [Highlight tone priority] is set.

\* 2: Settable ISO speeds are ISO 800 – ISO 12800 when [HDMI] HDR Movie Mode: Enable is set.

\* 3: Expanded ISO speeds are not available when [HDMI] HDR shooting (PQ): HDR PQ is set.

\* 4: Expanded ISO speeds are not available when [HDMI] HDR Movie Mode: Enable is set.

\* 5: Expanded ISO speeds are not available when [Highlight tone priority] is set.

\* 6: Expanded ISO speeds are not available in RAW movie recording.

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

## Manual ISO speed setting range for movies

| ISO speed range | ISO speed                                  |
|-----------------|--------------------------------------------|
| Minimum         | ISO 100–25600                              |
| Maximum         | ISO 200–25600, H (equivalent to ISO 51200) |

## Maximum ISO Auto setting for movies

|              | ISO speed                                   |
|--------------|---------------------------------------------|
| Max for Auto | ISO 6400–25600, H (equivalent to ISO 51200) |

## Maximum ISO auto setting for time-lapse movies

|              | ISO speed     |
|--------------|---------------|
| Max for Auto | ISO 400–25600 |

## Shutter

### Still photo shooting

#### Type:

Electronically controlled focal-plane shutter

Rolling shutter, using the image sensor

#### Shutter mode

| Shutter mode           | Flash photography |
|------------------------|-------------------|
| Mechanical shutter     | Possible          |
| Electronic 1st-curtain | Possible          |
| Electronic shutter     | Possible          |

#### Shutter speed

| Shutter mode                     | Setting range                        |
|----------------------------------|--------------------------------------|
| Mechanical shutter               | 1/8000–30 sec., bulb                 |
| Electronic 1st-curtain           |                                      |
| Electronic shutter* <sup>1</sup> | 1/32000* <sup>2</sup> –30 sec., bulb |

\* 1: Shutter speeds of 1/10000 sec. or faster are only available in Tv or M mode (up to 1/8000 sec. in Fv, P, or Av mode).

\* 2: When [ISO speed/Shutter speed] or [Shutter speed] is set with Focus bracketing, Flash photography, or [Same expo. for new aperture], the maximum shutter speed limit will be 1/8000 sec.

#### Flash sync speed

| Shutter mode           | Flash sync speed |             |                      |
|------------------------|------------------|-------------|----------------------|
|                        | EL/EX Speedlite  |             | Non-Canon flash unit |
|                        | Full-frame       | 1.6x (crop) |                      |
| Mechanical shutter     | 1/200 sec.       | 1/250 sec.  | 1/200 sec.           |
| Electronic 1st-curtain | 1/250 sec.       | 1/320 sec.  | 1/250 sec.           |
| Electronic shutter     | 1/160 sec.       | 1/250 sec.  | 1/160 sec.           |

## Movie recording

**Type:** Rolling shutter, using the image sensor

**Shutter speed:** 1/8000\*1–1/25\*2\*3 sec.

Movies in Tv or M mode: 1/8000\*1–1/8\*2\*3 sec.

\* 1: Maximum of 1/4000 sec. in time-lapse movie shooting.

\* 2: In normal movie recording, the minimum speed varies depending on the recording mode and frame rate.

\* 3: The minimum speed is 1/250 sec. (NTSC) / 1/200 sec. (PAL) when the frame rate is set to 239.76 or 200.00 fps, and 1/125 sec. (NTSC) / 1/100 sec. (PAL) when the frame rate is set to 119.88 or 100.00 fps.

## Image stabilization (IS mode): Provided

## Drive

### Drive mode and continuous shooting speed

[Max. approx.]

| Drive mode                                                                                                        | AF operation                           | Icon display     | Mechanical shutter | Electronic 1st-curtain | Electronic shutter |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------|--------------------|------------------------|--------------------|
| Single shooting                                                                                                   |                                        |                  | Yes                | Yes                    | Yes                |
| High-speed continuous shooting+  | One-Shot AF<br>AI Focus AF<br>Servo AF | Green            | 12 shots/sec.      | 12 shots/sec.          | 30 shots/sec.      |
|                                                                                                                   |                                        | White            | 9.0 shots/sec.     | 9.0 shots/sec.         |                    |
|                                                                                                                   |                                        | White (Blinking) | 7.2 shots/sec.     | 7.2 shots/sec.         |                    |
| High-speed continuous shooting   | One-Shot AF<br>AI Focus AF<br>Servo AF | Green            | 6.0 shots/sec.     | 8.2 shots/sec.         | 15 shots/sec.      |
|                                                                                                                   |                                        | White            | 5.2 shots/sec.     | 6.6 shots/sec.         |                    |
|                                                                                                                   |                                        | White (Blinking) | 4.0 shots/sec.     | 5.1 shots/sec.         |                    |
| Low-speed continuous shooting   | One-Shot AF<br>AI Focus AF<br>Servo AF | Green            | 3.0 shots/sec.     | 3.0 shots/sec.         | 5.0 shots/sec.     |
|                                                                                                                   |                                        | White            | 3.0 shots/sec.     | 3.0 shots/sec.         |                    |
|                                                                                                                   |                                        | White (Blinking) | 3.0 shots/sec.     | 3.0 shots/sec.         |                    |
| Self-timer: 10 sec.                                                                                               |                                        |                  | Yes                | Yes                    | Yes                |
| Self-timer: 2 sec.                                                                                                |                                        |                  | Yes                | Yes                    | Yes                |
| Self-timer: Continuous                                                                                            |                                        |                  | 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

**Sync terminal:** Provided

**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<br>Rating / Date / Folder / Protect / Type of file (1) / Type of file (2)                                                                                              |        |
| Rating                         | OFF / ★ to ★★★★★<br>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                                                                                                                                                                                      |        |

## VR preview

### Supported images:

- Still photos  
Recording format: JPEG, RAW, and C-Raw  
Image size: L size
- Movies  
Recording format: No restrictions  
Movie recording size  
Resolution: 8K-D  
Frame rate: 59.94 / 50.00\*, 29.97 / 25.00 , 24.00, or 23.98 fps  
\* Played back with 29.97 fps / 25.00 fps.  
Compression: No restrictions

### VR image display specifications:

Resolution: Maximum output resolution when HDMI is Full HD 1920×1080.

Frame rate: 59.94 / 50.00\*, 29.97 / 25.00 , 24.00, or 23.98 fps

\* Played back with 29.97 fps / 25.00 fps.

## Frame grab from movies

Individual frames in 8K / 4K movies recorded with the camera can be saved as still photos (JPEG / HEIF).

|    |     |                                     |
|----|-----|-------------------------------------|
| 8K | DCI | Approx. 35.4 megapixels (8192×4320) |
|    | UHD | Approx. 33.2 megapixels (7680×4320) |
| 4K | DCI | Approx. 8.8 megapixels (4096×2160)  |
|    | UHD | Approx. 8.3 megapixels (3840×2160)  |

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

\* Frame grabbing from RAW movies is not available.

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

\* The camera cannot frame grab still photos from movies recorded when **[CF] function: On** is set.

## Print order (DPOF)

Compliant with DPOF Version 1.1

## External interface

### Digital terminal

|               |                                                                                                                                                              |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Terminal type | USB Type-C™                                                                                                                                                  |
| Transmission  | Equivalent to USB 10 Gbps (SuperSpeed Plus USB / USB 3.2 Gen 2)                                                                                              |
| Applications  | <ul style="list-style-type: none"><li>• For computer communication / smartphone communication</li><li>• USB battery charging / camera power supply</li></ul> |

**HDMI output terminal:** HDMI terminal (Type A)

\* Resolution switches automatically

\* HDMI CEC not supported

**External microphone IN terminal:** 3.5 mm diameter stereo mini jack (3-pin)

**Headphone terminal:** 3.5 mm diameter stereo mini jack

**Remote control terminal:** N3 type terminal

## Power source

### Battery

|                          |        |
|--------------------------|--------|
| Compatible battery packs | LP-E6P |
| Quantity used            | 1      |

\* LP-E6NH/LP-E6N can also be used but functionality is limited (🔒).

\* LP-E6 cannot be used.

**USB battery charging and camera power supply:** Using USB Power Adapter PD-E2

### AC power source

DC Coupler DR-E6P, USB Power Adapter PD-E2

### Number of shots available

| Shooting method                   | Temperature  | Available shots (approx.)  |                      |
|-----------------------------------|--------------|----------------------------|----------------------|
|                                   |              | Power saving* <sup>1</sup> | Smooth* <sup>2</sup> |
| Viewfinder shooting* <sup>3</sup> | +23°C / 73°F | 340                        | 250                  |
| On-screen shooting* <sup>4</sup>  |              | 630                        | 540                  |

\* 1: Based on CIPA standards.

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

\* 3: When set to **[Viewfinder]**.

\* 4: When set to **[Screen]**.

\* With a new, fully charged LP-E6P

\* 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-E6NH/LP-E6N can also be used, but fewer shots are available.

\* Using two LP-E6P batteries with Battery Grip BG-R20 approximately doubles the number of shots available, compared to the table above.

\* Using two LP-E6P with Cooling Fan CF-R20EP and not using the cooling fan and wired LAN function approximately doubles the number of shots available, compared to the table above.

\* Using two LP-E6P with Battery Grip BG-R20EP and not using the wired LAN function 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. 4 hr. 10 min.    |
| Time available for Live View shooting               |         |                                                                                                | +23°C / 73°F | Approx. 4 hr.            |
| Time available for movie recording* <sup>1</sup>    | 8K RAW  | <ul style="list-style-type: none"> <li>• Light RAW</li> <li>• 59.94 / 50.00 fps</li> </ul>     | +23°C / 73°F | Approx. 50 min.          |
|                                                     |         |                                                                                                | 0°C / 32°F   | Approx. 50 min.          |
|                                                     | 8K DCI  | <ul style="list-style-type: none"> <li>• Standard LGOP</li> <li>• 29.97 / 25.00 fps</li> </ul> | +23°C / 73°F | Approx. 1 hr.            |
|                                                     |         |                                                                                                |              |                          |
|                                                     | 4K DCI  | <ul style="list-style-type: none"> <li>• Standard LGOP</li> <li>• 59.94 / 50.00 fps</li> </ul> | +23°C / 73°F | Approx. 1 hr. 20 min.    |
|                                                     |         |                                                                                                | 0°C / 32°F   | Approx. 1 hr. 10 min.    |
|                                                     | Full HD | <ul style="list-style-type: none"> <li>• Standard LGOP</li> <li>• 29.97 / 25.00 fps</li> </ul> | +23°C / 73°F | Approx. 2 hr. 10 min.    |
|                                                     |         |                                                                                                | 0°C / 32°F   | Approx. 2 hr.            |
| Time available for movie playback (normal playback) | 4K DCI  | <ul style="list-style-type: none"> <li>• Standard LGOP</li> <li>• 59.94 / 50.00 fps</li> </ul> | +23°C / 73°F | Approx. 2 hr. 40 min.    |

\* When using a new, fully charged LP-E6P

\* When using the screen

\* 1: When [Movie Servo AF: Disable] and [Movie cropping: Disable] are set

## Dimensions and weight

### Dimensions

|                 |                                                          |
|-----------------|----------------------------------------------------------|
| (W) × (H) × (D) | Approx. 138.5×101.2×93.5 mm / Approx. 5.45×3.98×3.68 in. |
|-----------------|----------------------------------------------------------|

\* Based on CIPA guidelines.

### Weight

|                                                                            |                                   |
|----------------------------------------------------------------------------|-----------------------------------|
| Body (including battery and CFexpress card)<br>* Based on CIPA guidelines. | Approx. 746 g / Approx. 26.31 oz. |
| Body only                                                                  | Approx. 656 g / Approx. 23.14 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)

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

| Wi-Fi standards (equivalent) | Transmission method       | RU Type  | Maximum link speed    |              |
|------------------------------|---------------------------|----------|-----------------------|--------------|
|                              |                           |          | 5GHz band / 6GHz band | 2.4 GHz band |
| IEEE 802.11ax 2×2 MIMO       | OFDM modulation (OFDMA)   | 996-tone | 1201 Mbps             | —            |
|                              |                           | 484-tone | 574 Mbps              | —            |
|                              |                           | 242-tone | 229 Mbps              | 229 Mbps     |
|                              |                           | 106-tone | 100 Mbps              | 100 Mbps     |
|                              |                           | 52-tone  | 47 Mbps               | 47 Mbps      |
|                              |                           | 26-tone  | 24 Mbps               | 24 Mbps      |
| IEEE 802.11ax                |                           | 996-tone | 601 Mbps              | —            |
|                              |                           | 484-tone | 287 Mbps              | —            |
|                              |                           | 242-tone | 115 Mbps              | 115 Mbps     |
|                              |                           | 106-tone | 50 Mbps               | 50 Mbps      |
|                              |                           | 52-tone  | 24 Mbps               | 24 Mbps      |
|                              |                           | 26-tone  | 12 Mbps               | 12 Mbps      |
| IEEE 802.11ax 2×2 MIMO       | OFDM modulation (CSMA/CA) | —        | 1201 Mbps             | 287 Mbps     |
| IEEE 802.11ax                |                           |          | 601 Mbps              | 143 Mbps     |
| IEEE 802.11ac 2×2 MIMO       |                           |          | 867 Mbps              | —            |
| IEEE 802.11ac                |                           |          | 433 Mbps              | —            |
| IEEE 802.11n 2×2 MIMO        |                           |          | 300 Mbps              | 144 Mbps     |
| IEEE 802.11n                 |                           |          | 150 Mbps              | 72 Mbps      |
| IEEE 802.11a                 |                           |          | 54 Mbps               | —            |
| IEEE 802.11g                 |                           |          | —                     | 54 Mbps      |
| IEEE 802.11b                 | DSSS modulation           | —        | —                     | 11 Mbps      |

\* Compatible with MIMO (multiple-input and multiple-output) 2×2

## 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.

### 6 GHz band

|           |                  |
|-----------|------------------|
| Frequency | 5955 to 7095 MHz |
| Channels  | 1 to 229 ch      |

\* Specifications vary by country/region.

## Authentication and data encryption methods

### 2.4 GHz band / 5 GHz band

| Connection method   | Authentication               | Encryption |
|---------------------|------------------------------|------------|
| Camera access point | Open                         | Disable    |
|                     | WPA2 / WPA3-Personal         | AES        |
| Infrastructure      | Open                         | Disable    |
|                     | Enhanced Open                | AES        |
|                     | WPA / WPA2 / WPA3-Personal   | AES        |
|                     | WPA / WPA2 / WPA3-Enterprise | AES        |
|                     | WPA3-Enterprise 192-bit      | AES        |

### 6 GHz band

| Connection method | Authentication          | Encryption |
|-------------------|-------------------------|------------|
| Infrastructure    | Enhanced Open           | AES        |
|                   | WPA3-Personal           | AES        |
|                   | WPA3-Enterprise         | AES        |
|                   | WPA3-Enterprise 192-bit | AES        |

## Bluetooth

**Standards compliance:** Bluetooth Specification Version 5.3 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.