Canon

EOS R6 V

Detailed Specifications

Body basics	
Type	Full-frame mirrorless camera, with RF lens mount
Sensor size	Full frame; approx. 35.9 x 23.9mm
Image processor	DIGIC X
Lens mount	Canon RF mount
Compatible lenses	Canon RF lenses (including RF-S lenses) • Automatic image cropping to APS-C size when RF-S lenses attached • EF and EF-S mount lenses compatible w/ optional lens mount adapter EF-EOS R • Canon RF5.2mm F2.8 L Dual Fisheye lens *(RF-S dual lenses not compatible)*
Lens conversion factor	None (1.6x when RF-S or EF-S lenses attached)
Cooling fan (built-in)	
Fan operation settings	Off / On / Auto ***Yellow set-up Menu > Cooling fan settings*** *When fan is rotating, its operating sound may be recorded in a movie; faster speeds more likely to be picked up by nearby microphones*
Fan rotation speed	High / Medium / Low / Stop
Image sensor	
Sensor type	Full-frame Canon CMOS sensor
Sensor size	Approx. 35.9 x 23.9mm
Effective Pixels	Max. approx. 32.5 million pixels (with RF or EF lenses)
Total pixels	Approx. 34.2 million pixels
Actual recording pixels (still images)	Approx. 32.3 million pixels (6960 x 4640 pixels)
Maximum movie recording resolution	7K RAW; 4K for MP4 format recording
Pixel size (approx.)	Approx. 5.16µ (microns square)
Aspect ratio (still images; Open Gate)	3:2 (Horizontal : Vertical)
Cross-type AF detection	None
Sensor color filtration	RGB primary colors
Low-pass filter	Installed at front of sensor; non-detachable
Dust Delete feature	Yes — automatic or user-applied manual sensor cleaning • Auto cleaning: at Power Off / Enable / Disable • Clean now (performs cleaning immediately; camera re-starts after cleaning)
Clean sensor manually	Yes • Clean Manually (shutter blades held open, for manual user cleaning)

<table>
<tr><td>Dust Delete Data acquisition</td><td>Coordinates of dust on sensor detected by test shot, added to subsequent images
• Canon DPP software can automatically erase detected dust spots
• Not available with Canon RF-S lenses or EF-S lenses attached
• May not be available with certain combinations of camera functions active</td></tr>
<tr><td colspan="2">Recording system</td></tr>
<tr><td>Image recording format</td><td>Design rule for Camera File system 2.0; EXIF 2.31</td></tr>
<tr><td>Card folder system</td><td>When card is inserted, the following are added:
• CRM folder (for RAW video files)
• DCIM folder (for still-image files)
• XFVC folder (for MP4 format video files)
• MISC folder</td></tr>
<tr><td>Folder selection</td><td>User creation of addional folders and selecting folders on card is possible</td></tr>
<tr><td>Folder naming — still images</td><td>DCF standards compliant
• Default folder name within DCIM folder: “xxxxEOSR6”
• Can be changed by user to any 5-character string</td></tr>
<tr><td>Folder naming — movies</td><td>XFVC folder: XF-HEVC S and XF-AVC S file formats
• REEL xxxx — MP4 video file saved in XFVC folder
CRM folder: RAW video files
• REEL xxxx — RAW video file (.CRM) is saved
In each REEL xxxx folder: up to 999 files can be saved in one folder</td></tr>
<tr><td>Folder naming — news metadata</td><td>XF-HEVC S and XF-AVC S formats
• News Metadata saved in XMLTAG folder, in currently selected card
• Up to 100 XML files can be saved in one XMLTAG folder</td></tr>
<tr><td>File naming — still images</td><td>
<table>
<tr><th>Item</th><th>Details</th></tr>
<tr><td>Preset code</td><td>Unique 4-digit character string + 4-digit file number</td></tr>
<tr><td>User setting 1</td><td>Any 4 characters + 4-digit file number</td></tr>
<tr><td>User setting 2</td><td>Any 3 characters + 1-digit image size[1] + 4-digit file number
• Range of 4-digit file number: 0001–9999
1: Character for image size:
L = L or RAW; M = M; S = S1; T = S2; C = CRAW</td></tr>
</table>
</td></tr>
</table>

File naming — movies

Example:

A_0001_C001_A yymmdd_hhmmss XX_CANON_001_Proxy

(1) _ (2) _ (3) _ (4) (5) _ (6) (7) _ (8) _ (9) _ (10)

Item	Details
(1) Camera Index	2 characters from A~Z. "_" can also be selected for 2nd character. A different character is assigned for each camera.
(2) Reel number	4-digit number from 0001~9999. A different number automatically assigned to each card. Any initial value can be specified. When card is replaced with a new card*, the number is incremented by one when recording for the first time. **Newly formatted card, or brand-new card*
(3) Clip number	3-digit number from 001~999, with "C" added before it. If #999 is exceeded, "C" changes to "D." A clip number is automatically assigned to each clip. Any initial value can be set. D999 is highest number possible.
(4) Codec type	"A" is assigned automatically if codec type of the main movie is AVC; "H" if it is HEVC; and "X" if file is RAW.
(5) Shoot start date	Start date (year, month, and day) automatically assigned.
(6) Shoot start time	Start time (H, M, S) is automatically assigned
(7) Random ID	ID randomly assigned for each clip — two characters from A~Z and 0~9.
(8) User defined	5 characters from A~Z and 0~9 (user-settable). The default is CANON.
(9) Stream number	3-digit number from 001~999. This is assigned to files that have been split.
(10) Proxy	"Proxy" automatically added to a Proxy movie file.

** Up to 999 movie files can be recorded to one card.*

** Proxy file has same name as main file, except "Proxy" added (10).*

** [Record to multiple] — same file name set for both card 1 and 2.*

** Display of remaining number of movie files possible during video recording.*

News Metadata

NewsML-G2 standard compliant.

News Metadata (XML) file of movie associated with the set News Metadata is generated when [Add News Metadata: ON] is set. Name of generated XML file is same as movie file (only extension differs).

News Metadata (XML) file is saved to same location as movie file on card.

When News Metadata has been set from Content Transfer Professional, the News Metadata set from the card inserted in camera is disabled (that of the app has priority).

Image type / recording format

Image type / recording format / extension

Image type / recording format		Extension
Still photo	JPEG	.JPG
	HEIF ([HDR shooting (PQ)] active)	.HIF
	RAW	.CR3
	C-RAW (Compact RAW)	
Movies[1]	RAW	.CRM
	XF-HEVC S — YCC422 10-bit XF-HEVC S — YCC420 10-bit XF-AVC S — YCC422 10-bit XF-AVC S — YCC420 8-bit	.MP4
	News Metadata[1]	.XML

1: When a movie is recorded with [Add CP File: ON], a "CPF" file will be created

Proxy movie recording

Available — [1] Main [2] Proxy recording
(yellow Set-up Menu > Record func+card/folder sel. > Movie record options)

Canon Log movie recording

Canon Log 2 / Canon Log 3
(selected in Custom Picture [CP] Menu: ***Color mode > [CP] > INFO button > select [CP] file)***

File numbering (still images)

Continuous numbering

- Numbering of files continues, even if card is replaced

Auto Reset

- Resets to 0001 when card is replaced with formatted card (no images on card). If replacement card has images, numbering continues from last image on card.

Manual Reset

- When set on Menu, new image folder created on card, and file numbering resets to 0001 in that folder. Folder can be re-named in-camera.

Movie clip numbering

Continuous numbering

- Numbering of video clips continues from last recorded clip, even if card is replaced.

Auto reset

- When card is replaced with formatted card (no files on card), numbering will reset to 001. If newly-installed card has video clips, numbering will continue from last recorded clip on card.

Recording media

Memory card type

(one) CFexpress Type B card

- CFexpress 2.0 and VPG400 supported
- Supports up to 8TB in size

(CFexpress cards above 2TB cannot be used for firmware update)

(one) SDXC / SDHC / SD card

- Compatible with UHS-II cards
- Eye-Fi and MultiMediaCards (MMC) not supported

Card slots

Two (card slot 1 — CFexpress; card slot 2 — SD)

Card access ("card busy") indicator

Access lamp lights steadily in red, or blinks in red

Card reading error warning

Error warning displayed in viewfinder and LCD screen;
shutter release locks

Card formatting

Normal formatting

Low-level formatting option (both card types)

Maximum individual file size	CFexpress — unlimited SDXC / SDHC / SD: • SDXC — exFAT format: unlimited file size • SDHC — FAT32 format: 4GB (if exceeded, a new file created for movies) • SD — FAT16 / FAT12 format: 2GB (if exceeded, a new file created for movies *Movies recorded as split files are handled as a single file when played back in camera*
Release shutter without card	Supported (Menu option to prevent shutter release when no card installed)
Record function + card / folder selection	Stills / video on separate cards: Disable / Enable Stills record options: Standard / Auto switch card / Rec separately / Rec to multiple Video record options: • Standard (records to user-selected primary card only) • Relay recording[1] [2] (records to primary card, switch to other card if primary fills up) • CFexpress — Main / SD — Proxy[1] • CFexpress — Main / SD — Sub[1] • Record to multiple (same file type recorded to both cards) *1: Cannot be used with: S&F movies; Movies at 100.0 FPS or higher; Time-lapse movies; HDMI RAW output* *2: Not available when movie record quality surpasses what SD card is capabile of recording*
Still image record / play	Card 1 or 2 (CFexpress card can be set as priority card)
Video record / play	Card 1 or 2 (CFexpress card can be set as priority card)
Still image folders	Select folder / Create folder / Change folder name
Video: Relay recording	Uninterrupted movie recording by switching to opposite card during recording, if first card becomes full • Available record time display is total time for both cards • When record destination switched, the change is displayed on LCD screen or EVF • Movie files with relay recording will have different file names on each card • Movie files with relay recording will not play back seamlessly as one single file • When [Pre-recording] is active, if remaining capacity of selected card is less than the set Pre-recording time, relay recording is not possible
Video: Main / Proxy recording	Proxy movie file recorded to SD card — a lighter video file than Main file at card slot 1 • Proxy recording format and file size automatically set, depending on settings for Main movie file • Available recording time for Main movie is indicated on LCD screen or EVF • If a new file is created during movie recording (split files), a new file is created simultaneously for both the Main movie and Proxy movie • Even if Proxy movie recording stops due to an error, recording for Main movie will continue • If recording for Main movie stops, recording for Proxy movie also stops • If there is no Card 1 installed (CFexpress), the time available for Proxy movie is indicated, and Proxy movie recording remains possible
Video: Main / sub recording	RAW standard / light recorded to Card 1; MP4 movie fixed at 4K DCI Fine to Card 2 • Frame rate (FPS) for sub movie will be same as the main movie • Available time for main movie is indicated on LCD screen and EVF • Even if one movie stops recording (card full, etc.), the other movie will continue recording • If no Card 1 installed, time available for sub movie is indicated, and recording of sub movie is possible

Video: Record to multiple cards	Records same movie file type & size to Card 1 and Card 2 • Available time for card with least space is indicated • When one movie stops recording (card full, etc.), the other movie also stops recording

Still image recording

Image size — RAW images	RAW / C-RAW (Compact RAW) • approx. 32.3 million pixels for both RAW options
Image size — JPEG / HEIF	L (approx. 32.3 MP) M (approx. 15.4 MP) S1 (approx. 8.1 MP) S2 (approx. 3.8 MP)
HEIF files	Available when HDR (PQ) is active • Conforms to MIAF (multi-image application format) standards
C-RAW (Compact RAW) files	RAW images conforming to Canon .CR3 format, with smaller file sizes • RAW offers better image quality than C-RAW • Conversion from RAW to C-RAW, or vice-versa, not possible • Simultaneous recording of RAW and C-RAW not possible
RAW + JPEG / HEIF simultaneous rec.	Possible — with one or two memory cards (any combination of RAW or C-RAW and JPEG or HEIF images)
One-touch switching of image quality	Available (can be assigned to preferred button via [Customize Buttons for shooting])
Dual Pixel RAW	None (not supported)
RAW burst mode	None (not supported)
JPEG / HEIF image quality	L, M, and S1 quality — Fine or Normal S2 — Fine only
Still image cropping, aspect ratio	Full-frame (3:2) 1.6x crop (3:2) 1:1 (square aspect ratio) 4:3 16:9 • Switching between Masked or Outline shooting area possible

Recording pixels — cropping & aspect ratios

Image size		Resolution (pixels) — approximate Still image aspect ratio / cropping				
		3:2	**1.6x (crop)[1]**	**1:1**	**4:3**	**16:9**
JPEG/ HEIF	**L**	32.3 MP (6960x4640)	12.4 MP (4320x2880)	21.5 MP (4640x4640)	28.6 MP (6160x4640)	27.2 MP (6960x3904)
	M	15.4 MP (4800x3200)	Not available	10.2 MP (3200x3200)	13.6 MP (4256x3200)	12.9 MP (4800x2688)
	S1	8.1 MP (3472x2320)		5.4 MP (2320x2320)	7.1 MP (3072x2320)	6.8 MP (3472x1952)
	S2	3.8 MP (2400x1600)	3.8 MP (2400x1600)	2.6 MP (1600x1600)	3.4 MP (2112x1600)	3.2 MP (2400x1344)
RAW	**RAW/ C-RAW**	32.3 MP (6960x4640)	12.4 MP (4320x2880)	32.3 MP (6960x4640)		

- Values for recorded pixels rounded off to nearest 100,000th
- Shaded cells indicate inexact proportion
- RAW and C-RAW images generated in 3:2 aspect ratio, and user-set aspect ratio/cropping is appended to images and applied in RAW processing
- JPEG / HEIF images generated in the user-set aspect ratio
- These aspect ratios and pixel counts also apply to resizing

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

<table>
<tr><td>Bit depth (still images)</td><td>JPEG — 8 bits
HEIF — 10 bits
RAW — 12 bits (14-bit analog–digital conversion); Canon original
Electronic shutter only; no Mechanical or 1st-curtain Electronic Shutter</td></tr>
<tr><td>Gamma / color space</td><td>Standard dynamic range (HDR PQ off):
• Internal recording to cards — sRGB[1]
• HDMI output — BT.709
HDR PQ on:
• Internal recording to cards — BT.2020
• HDMI output — BT.709 / BT.2020[2]
1: Adobe RGB color space not supported
2: When connected to an HDR compatible monitor</td></tr>
<tr><td>Video signal range</td><td><table>
<tr><th rowspan="2">HDR shooting (PQ)</th><th colspan="2">Internal recording</th><th colspan="2">HDMI output</th></tr>
<tr><th>Range</th><th>Recording range</th><th>Range</th><th>HDMI output range</th></tr>
<tr><td>Disable (SDR)</td><td>0–255</td><td>Full range</td><td>64–940</td><td>Narrow range</td></tr>
<tr><td>HDR PQ</td><td>0–1023</td><td>Full range</td><td>64–940</td><td>Narrow range</td></tr>
</table></td></tr>
<tr><td>Digital tele-converter</td><td>Off / 2.0x / 4.0x
• Images recorded at user-set JPEG or HEIF Image Quality, but quality is lower due to digital enlargement
• Magnification is 3.2x / 6.4x when 1.6x crop is active, or when RF-S / EF-S lenses are used
• Digital tele-converter not available for RAW or C-RAW images
• Display frame rate is fixed at [Smooth] when digital tele-converter is active
• The following settings are fixed with digital tele-converter:
AF Area — 1-point AF, fixed to center
Whole area tracking Servo AF — Off
• Magnified view not possible</td></tr>
</table>

Still-image file size / Total available shots / Maximum continuous burst

Electronic Shutter — at 40 fps

Image quality		File size (approx. MB)	Number of shots (approx.)[1]	Maximum burst (approx.)	
				CFexpress[1]	SD card[2]
JPEG[3]	L/Fine	10.4	29,600	330	330
	L/Normal	5.4	57,010	330	330
	M/Fine	5.9	52,180	330	330
	M/Normal	3.2	95,260	330	330
	S1/Fine	3.7	83,550	330	330
	S1/Norm.	2.1	142,720	330	330
	S2	1.8	170,290	330	330
HEIF[4]	L/Fine	10.6	28,720	300	300
	L/Normal	7.9	38,090	300	300
	M/Fine	6.1	48,940	300	300
	M/Normal	4.7	63,100	300	300
	S1/Fine	4.0	73,560	300	300
	S1/Norm.	3.1	91,680	300	300
	S2	1.8	148,950	300	300
RAW[3]	RAW	34.3	9,100	150	140
	C-RAW	16.8	18,740	280	280
RAW + JPEG[3]	RAW + L/F	34.3 + 10.4	6,960	150	140
	C-RAW + L/Fine	16.8 + 10.4	11,470	280	280
RAW + HEIF[4]	RAW + L/F	37.5 + 10.6	6,420	130	130
	C-RAW + L/Fine	20.6 + 10.6	10,080	260	260

1: CFexpress cards: 325GB card, conforming to Canon test standards

2: SD cards: 128GB UHS-II SD card, conforming to Canon test standards

3: When HDR (PQ) is set to DISABLE

4: With HDR (PQ) active

Maximum burst measured under Canon standard test conditions: One-shot AF mode; High-speed continuous+ shooting; ISO 100; Standard Picture Style; room temperature 73°F (23°C)

Movie recording (System frequency: NTSC — 59.94 Hz; PAL — 50.00 Hz)

Maximum time per movie file

100.0 FPS or more — maximum 2 hr. 00 min.

Less than 100 FPS — maximum 6 hr. 00 min.

Except when recording stops from overheating, power source depletion, errors, or similar reasons

Continuous recording time before shut-down from heat

Movie record quality	Available continuous recording time (approx.)			
	Auto power off temperature			
	Standard		High	
	Fan rotation speed		Fan rotation speed	
	Stop	All rotation speeds	Stop	All rotation speeds
RAW 59.94 fps; Light (RAW) + 2K Proxy Standard LGOP[1]	33 min.	120 min. or longer	37 min.	120 min. or longer
4K DCI 119.9 fps, Standard LGOP	40 min.	NO RESTRICTIONS from overheating	75 min.	NO RESTRICTIONS from overheating
4K DCI Fine 59.94 FPS, Standard LGOP	33 min.	120 min. or longer	38 min.	120 min. or longer
4K DCI 59.94 FPS, Standard LGOP	NO RESTRICTIONS from overheating		NO RESTRICTIONS from overheating	
4K DCI Fine 29.97 FPS, Standard LGOP	NO RESTRICTIONS from overheating		NO RESTRICTIONS from overheating	
4K DCI 29.97 FPS, Standard LGOP				
2K DCI 179.8 FPS, Standard LGOP				
Open Gate (MP4) 29.97 FPS, Standard LGOP	36 min.	NO RESTRICTIONS from overheating	120 min. or longer	NO RESTRICTIONS from overheating

According to Canon testing conditions, using CFexpress and SD memory cards conforming to Canon test standards

All tests performed from a cold start (camera at room temperature), until shutdown

When using LCD screen, no communication, no power over USB, and at 73°F/23°C test temperatures

Continuous recording times will be shorter in these conditions: ambient temperatures above 73°F/23°C; when powered over USB; when using a wireless LAN; and when Live View display or movie playback is maintained before recording begins

If [Auto power off temp.] is set to [High], the camera and memory cards will become hotter. Canon recommends using a tripod or similar support, to avoid hand-holding the camera. Use caution when handling memory cards, because they can become very hot.

1: When [Record options (1) Main + (2) Proxy is set

Open Gate recording	Movie recording from full area of CMOS image sensor — 3:2 aspect ratio • Open Gate recording separately activated or disabled in red Shooting Menu • 7K Open Gate RAW or MP4 recording possible[1]; Max. 29.97 / 25.00 FPS • 7K Open Gate recording resolutions: RAW — 6960 x 4640; MP4 — 6912 x 4608 • Open Gate recording not possible for 4K, 2K or Full HD recording *1: Slight cropping of 7K Open Gate MP4 video, compared to RAW* *2: Proxy movie during Open Gate recording — 1920 x 1280; 3:2 aspect ratio*
RAW movie recording	7K RAW — internal recording to CFexpress card (17:9 aspect ratio; 6960 x 4640) • RAW (light) to 60p/50p • RAW to 30p/25p 7K RAW — Open Gate recording (internal, to CFexpress card; 3:2 aspect ratio) • Open Gate RAW or RAW (light) to 30p/25p 7K ProRes RAW — external recording (via HDMI) to compatible recorders[1] • 7K to 30p/25p, or cropped 4.3K to 60p/50p *1: Atomos Ninja TX, Ninja TX GO, and Ninja RAW, as of April, 2026*
RAW crop (HDMI RAW external output)	4320 x 2278 (approx. 17:9 aspect ratio)

4K movie recording (MP4 only)	MP4 4K (DCI or UHD) to 120p • 4K DCI (17:9 aspect ratio) — 4096 x 2160 • 4K UHD (16:9 aspect ratio) — 3840 x 2160 MP4 4K Fine (oversampled from 7K) — DCI or UHD to 30p/25p MP4 4K Fine (oversampled) — DCI or UHD at 60p/50p MP4 4K (*not* oversampled) — DCI or UHD to 120p/100p (with sound)
2K / Full HD movie recording (MP4 only)	MP4 2K — DCI (approx. 17:9 aspect ratio; 2048 x 1080) MP4 Full HD — UHD (16:9 aspect ratio; 1920 x 1080) MP4 2K or Full HD to 180p/150p, or 120/100p — DCI or UHD[1] MP4 2K or Full HD • 60p/50p; 30p/25p; 24p/24.00p[2] *1: Approx. 1.13x cropping at 180p or 150p (2K: 88.3 x 69.8%; FHD: 82.8 x 69.8%)* *2: 24.00p available only for 2K MP4 recording*
Cropped movie recording (approx. APS-C area of image sensor)	4K — DCI (4096 x 2160); 17:9 aspect ratio) or UHD (3840 x 2160; 16:9 aspect ratio) • Available to 60p/50p; 24.00p possible when set to DCI • RAW and RAW (light) not possible during cropped movie recording, except during HDMI RAW recording to compatible external recorders (4.3K RAW) 2K — DCI only (2048 x 1080; 17:9 aspect ratio) • Available to 120p/100p; 24.00p possible when set to DCI Full HD — UHD only (1920 x 1080; 16:9 aspect ratio • Available to 120p/100p
Movie recording format	RAW; RAW light (7K recording only; 17:9 or Open Gate with 3:2 aspect ratio) • 12-bit recording; .CRM file extension • 17:9 aspect ratio — 6960 x 3672; Open Gate 3:2 aspect ratio — 6960 x 4640 • RAW video cannot be recorded as a Proxy movie or Sub movie MP4: 4K; 2K; Full HD • XF-HEVC S — H.265 / HEVC[1] YCbCr 4:2:2 color sampling; 10-bit depth • XF-HEVC S — H.265 / HEVC YCbCr 4:2:0 color sampling; 10-bit depth • XF-AVC S — H.264 / MPEG-4 AVC[1] YCbCr 4:2:2 color sampling; 10-bit depth • XF-AVC S — H.264 / MPEG-4 AVC YCbCr 4:2:0 color sampling; 8-bit depth *1: Cannot be recorded as a Proxy movie*
Proxy movie recording	Smaller, lighter video file recorded simultaneously to card 2, at same time as Main video file in card 1. The smaller file is suitable for quick video uploading and editing. Movie recording size of Proxy movie (recorded to SD card, in slot 2) is set automatically, depending on movie recording format and size of Main movie (card 1) • Main movie can be RAW, 4K (DCI or UHD), 2K, or Full HD (user's choice) • Proxy file is set to 2K–DCI (when Main movie set to DCI) or Full HD–UHD (when Main movie set to UHD aspect ratio) • Proxy file set to XF-AVC S / YCC 420 8-bit for: - RAW Main video - XF-AVC S / YCC 422 10-bit Main video - XF-AVC S / YCC 420 8-bit Main video • Proxy file set to XF-HEVC S / YCC 420 10-bit for: - XF-HEVC S 422 (or 420) 10-bit Main video

Movie recording format / Movie recording size / available frame rate (FPS)

(when [Standard], [Relay recording], or [Record to multiple] is set)

Movie recording format	Resolu-tion	Image quality	RAW format / Compression format	Frame rate (FPS)									
				179.8	150.0	119.9	100.0	59.94	50.00	29.97	25.00	24.00	23.98
RAW[1 2 3]	RAW	- - -	Standard (RAW)							Yes	Yes	Yes	Yes
			Light (RAW)					Yes	Yes	Yes	Yes	Yes	Yes
XF-HEVC S YCC 422 10 bit **XF-HEVC S YCC 420 10 bit** **XF-AVC S YCC 420 8 bit**	4K-DCI	Fine	Standard Long GOP (LGOP)					Yes	Yes	Yes	Yes	Yes	Yes
		Normal				Yes [2, 4, 5]	Yes [2, 4, 5]	Yes	Yes	Yes	Yes	Yes	Yes
	4K-UHD	Fine						Yes	Yes	Yes	Yes		Yes
		Normal				Yes [2, 4, 5]	Yes [2, 4, 5]	Yes	Yes	Yes	Yes		Yes
	2K-DCI	Normal		Yes [2, 4, 5]	Yes [2, 4, 5]	Yes [2, 4, 5]	Yes [2, 4, 5]	Yes	Yes	Yes	Yes	Yes	Yes
	Full HD	Normal		Yes [2, 4, 5]	Yes [2, 4, 5]	Yes [2, 4, 5]	Yes [2, 4, 5]	Yes	Yes	Yes	Yes		Yes
XF-AVC S YCC 422 10 bit	4K-DCI	Fine	High Quality Intra Standard Intra Light Intra Standard LGOP					Yes [6, 7]	Yes [6, 7]	Yes	Yes	Yes	Yes
		Normal				Yes [2, 4, 5, 7, 8, 9]	Yes [2, 4, 5, 7, 8, 9]	Yes [6, 7]	Yes [6, 7]	Yes	Yes	Yes	Yes
	4K-UHD	Fine						Yes [6, 7]	Yes [6, 7]	Yes	Yes		Yes
		Normal				Yes [2, 4, 5, 7, 8, 9]	Yes [2, 4, 5, 7, 8, 9]	Yes [6, 7]	Yes [6, 7]	Yes	Yes		Yes
	2K-DCI	Normal	Standard Intra Standard LGOP	Yes [2, 4, 5, 7]	Yes [2, 4, 5, 7]	Yes [2, 4, 5]	Yes [2, 4, 5]	Yes	Yes	Yes	Yes	Yes	Yes
	Full HD	Normal		Yes [2, 4, 5, 7]	Yes [2, 4, 5, 7]	Yes [2, 4, 5]	Yes [2, 4, 5]	Yes	Yes	Yes	Yes		Yes

1: Recording to an SD card not possible — CFexpress recording only

2: Cannot be used with Relay recording

3: Cannot be used with [Record to multiple] (however, recording to card 1 is possible when only card 1 is installed)

4: Cannot be used with [Record to multiple]

5: Only exFAT-formatted cards can be used for recording (recording to FAT32-formatted cards not possible)

6: Recording to an SD card not possible when [High (intra-frame)] is set

7: Recording to an SD card not possible when [Standard (intra-frame)] is set

8: Recording to an SD card not possible when [Light (intra-frame)] is set

9: [High (Intra-frame)] cannot be selected

Cannot be used with Relay recording, or [Record to multiple] when recording to an SD card is not possible

[card 1] **Main /** [card 2] **Proxy recording —**
Movie recording format / Movie recording size / available frame rate (FPS)

<table>
<tr><th rowspan="2">Main movie recording format</th><th colspan="3">Main movie recording size</th><th rowspan="2">Proxy movie recording format</th><th colspan="3">Proxy movie recording size</th></tr>
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</table>

Frame rate for Proxy movie is same as user-set FPS rate for Main movie

Available movie recording format / movie recording size / frame rate of Main movie when [card 1] Main / [card 2] Proxy recording is the same as for [Rec options: Standard]. However, 100.0 FPS or higher is not selectable.

[card 1] **Main /** [card 2] **Sub recording —**

Movie recording format / Movie recording size / available frame rates (FPS)

Main movie recording format	Main movie recording size			Sub movie recording format	Sub movie recording size		
	Resolution	Image quality	RAW format / Compression format		Resolution	Image quality	Compression format
RAW	RAW	- - -	Standard RAW Light (RAW)	XF-HEVC S YCC 422 10 bit XF-HEVC S YCC 420 10-bit	4K-DCI	Fine	Standard LGOP
				XF-AVC S YCC 422 10 bit			High Quality Intra Standard Intra Light Intra Standard LGOP
				XF-AVC S YCC 420 8 bit			Standard LGOP

Frame rate (FPS) for Sub movie is same as user-set for Main movie

Main movie must be RAW (standard RAW or light RAW); MP4 format cannot be selected for Main movie

Sub movie (card 2) is always recorded in 4K-DCI resolution / Fine quality; compression is user-selectable

Open gate —Recording format / Movie recording size / Frame rate
(when Standard is set)

Movie recording format	File type	Image quality	RAW format / Compression format	Frame rates (FPS)									
				179.8	150.0	119.9	100.0	59.94	50.00	29.97	25.00	24.00	23.98
RAW[1]	RAW	- - -	Standard RAW Light (RAW)							Yes	Yes	Yes	Yes
XF-HEVC S YCC 422 10 bit	MP4	Normal	High quality Intra Standard Intra Light Intra Standard LGOP							Yes 2, 4, 5	Yes 2, 4, 5	Yes 3, 4, 5	Yes 3, 4, 5
XF-HEVC S YCC 420 10 bit			Standard LGOP							Yes	Yes	Yes	Yes

1: Open gate recording only to CFexpress cards (not possible with SD cards)

2: [High (Intra-frame)] cannot be selected

3: Recording to SD card not possible when [High (Intra-frame)] is set

4: Recording to SD card not possible when [Standard (Intra-frame)] is set

5: Recording to SD card not possible when [Light (Intra-frame)] is set

Open Gate — Recording format / Movie recording size / Frame rate
(when [card 1] Main and [card 2] Proxy is set)

Main movie recording format	Movie recording size (Main)			Proxy movie recording format	Proxy movie recording size		
	Resolution	Image quality	RAW format / Compression format		Resolution	Image quality	Compression format
	RAW	- - -	Standard (RAW) Light (RAW)	XF-AVC S YCC 420 8 bit	1920 x 1280	Normal	Standard LGOP Light LGOP

Proxy movie size and recording format are set automatically, depending on Main movie recording format and size.
Combinations of Main movies and Proxy movie sizes shown above.

Proxy movie frame rate is same as user-set for Main movie

Main movie must be RAW, when Proxy recording is active.
RAW movie options for frame rate, etc. are same as when [Standard] is set.

Movie cropping	Possible — approx. 1.6x crop [Card 1] Main / [Card 2] Proxy recording possible with Movie cropping active • 4K — Normal recording (Fine not available); DCI or UHD possible • 4K — 23.98 FPS ~ 59.94 FPS possible (except 24.00p, when set to UHS) • 2K / Full HD — 23.98 FPS ~ 119.9 FPS[1, 2] (24.00 FPS possible in 2K-DCI only) • Standard LGOP (XF-HEVC S, YCC422 10 bit; XF-HEVC S, YCC420 10 bit; XF-AVC S, YCC420 8 bit) • High Quality Intra / Standard Intra / Light Intra / Standard LGOP (XF-AVC S, YCC 422 10 bit)[3] *1: 119.9 and 100.00 FPS — only exFAT-formatted cards can be used* *2: Cannot be used with Relay recording, or Record to multiple cards* *3: 59.94 and 50.00 FPS — SD card recording not possible when [High (Intra-frame)] or [Standard (Intra-frame)] is set*

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

RAW

Recording format	RAW format	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD card
RAW	Standard RAW	29.97	3 min.	13 min.	51 min.	2600	18,631	CFexpress 2.0 Type B (400MB/sec. or more)	
		25.00	3 min.	15 min.	59 min.	2240	16,056		
		24.00	3 min.	15 min.	1 hr. 1 min.	2150	15,412		
		23.98							
	Light RAW	59.94	3 min.	14 min.	55 min.	2410	17,272	CFexpress 2.0 Type B (400MB/sec. or more)	
		50.00	4 min.	16 min.	1 hr. 6 min.	2010	14,411		
		29.97	7 min.	28 min.	1 hr. 49 min.	1210	8,689	CFexpress 2.0 Type B (200MB/sec. or more)	
		25.00	8 min.	33 min.	2 hr. 11 min.	1010	7,258		
		24.00	8 min.	35 min.	2 hr. 16 min.	970	6,972		
		23.98							

- Video bit rate for video only; audio and metadata not included
- When [Audio format: AAC / 16 bit / 2CH] is set (LPCM / 24bit / 4CH when set to RAW)
- When [Add News Metadata: OFF] is set
- Movie recording stops when maximum recording time per movie is reached

4K DCI Fine / 4K UHD Fine

Recording format	Compres-sion method	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD card
XF-HEVC S YCC 422 10 bit	Standard LGOP	59.94	37 min.	2 hr. 31 min.	9 hr. 51 min.	225	1,612	CFexpress 2.0 Type B	U3
		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 YCC 420 10 bit XF-AVC S YCC 420 8 bit	Standard LGOP	59.94	56 min.	3 hr. 47 min.	14 hr. 47 min.	150	1,075	CFexpress 2.0 Type B	U3
		50.00							
		29.97	1 hr. 25 min.	5 hr. 40 min.	22 hr. 9 min.	100	718		
		25.00							
		24.00							
		23.98							

4K DCI Fine / 4K UHD Fine (continued)

Recording format	Compres-sion method	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD card
XF-AVC S YCC 422 10 bit	High Quality Intra	59.94	7 min.	28 min.	1 hr. 51 min.	1200	8,585	CFexpress 2.0 Type B	
		50.00	8 min.	34 min.	2 hr. 13 min.	1000	7,155		
		29.97	14 min.	56 min.	3 hr. 42 min.	600	4,294		V90
		25.00	17 min.	1 hr. 8 min.	4 hr. 26 min.	500	3,579		
		24.00	17 min.	1 hr. 11 min.	4 hr. 37 min.	480	3,436		V60
		23.98							
	Standard Intra	59.94	9 min.	37 min.	2 hr. 28 min.	900	6,440	CFexpress 2.0 Type B	
		50.00	11 min.	45 min.	2 hr. 57 min.	750	5,367		
		29.97	18 min.	1 hr. 15 min.	4 hr. 56 min.	450	3,221		V90
		25.00	22 min.	1 hr. 30 min.	5 hr. 55 min.	375	2,685		
		24.00	23 min.	1 hr. 34 min.	6 hr. 10 min	360	2,577		V60
		23.98							
	Light Intra	59.94	14 min.	56 min.	3 hr. 42 min.	600	4,294	CFexpress 2.0 Type B	V90
		50.00	17 min.	1 hr. 8 min.	4 hr. 26 min.	500	3,579		
		29.97	28 min.	1 hr. 53 min.	7 hr. 24 min.	300	2,148		V60
		25.00	34 min.	2 hr. 16 min.	8 hr. 52 min.	250	1,791		
		24.00	35 min.	2 hr. 22 min.	9 hr. 14 min.	240	1,719		U3
		23.98							
	Standard LGOP	59.94	34 min.	2 hr. 16 min.	8 hr. 52 min.	250	1,791	CFexpress 2.0 Type B	V60
		50.00							
		29.97	56 min.	3 hr. 47 min.	14 hr. 47 min.	150	1,075		U3
		25.00							
		24.00							
		23.98							

- Video bit rate indicates video only; Audio and metadata not included
- When [Audio format: AAC / 16 bit / 2CH] is set
- When [Add News Metadata: OFF] is set
- Movie recording stops when the maximum recording time per movie is reached
- 24.00 FPS not available wehn 4K UHD Fine is set

4K DCI Normal / 4K UHD Normal

Recording format	Compression method	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD card
XF-HEVC S YCC 422 10 bit	Standard LGOP	119.9	18 min.	1 hr. 15 min.	4 hr. 56 min.	450	3,221	CFExpress 2.0 Type B	V60
		100.0							
		59.94	37 min.	2 hr. 31 min.	9 hr. 51 min.	225	1,612	CFexpress 2.0 Type B	U3
		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 YCC 420 10 bit XF-AVC S YCC 420 8 bit	Standard LGOP	119.9	28 min.	1 hr. 53 min.	7 hr. 24 min.	300	2,148	CFexpress 2.0 Type B	V60
		100.0							
		59.94	56 min.	3 hr. 47 min.	14 hr. 47 min.	150	1,075	CFexpress 2.0 Type B	U3
		50.00							
		29.97	1 hr. 25 min.	5 hr. 40 min.	22 hr. 9 min.	100	718		
		25.00							
		24.00							
		23.98							

4K DCI Normal / 4K UHD Normal (continued)

Recording format	Compression method	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD card
XF-AVC S YCC 422 10 bit	High Quality Intra	119.9							
		100.0							
		59.94	7 min.	28 min.	1 hr. 51 min.	1200	8,585	CFexpress 2.0 Type B	
		50.00	8 min.	34 min.	2 hr. 13 min.	1000	7,155		
		29.97	14 min.	56 min.	3 hr. 42 min.	600	4,294		V90
		25.00	17 min.	1 hr. 8 min.	4 hr. 26 min.	500	3,579		
		24.00	17 min.	1 hr. 11 min.	4 hr. 37 min.	480	3,436		V60
		23.98							
	Standard Intra	119.9	4 min.	18 min.	1 hr. 14 min.	1800	12,877	CFexpress 2.0 Type B	
		100.0	5 min.	22 min.	1 hr. 28 min.	1500	10,731		
		59.94	9 min.	37 min.	2 hr. 28 min.	900	6,440	CFexpress 2.0 Type B	
		50.00	11 min.	45 min.	2 hr. 57 min.	750	5,367		
		29.97	18 min.	1 hr. 15 min.	4 hr. 56 min.	450	3,221		V60
		25.00	22 min.	1 hr. 30 min.	5 hr. 55 min.	375	2,685		
		24.00	23 min.	1 hr. 34 min.	6 hr. 10 min.	360	2,577		U3
		23.98							
	Light Intra	119.9	7 min.	28 min.	1 hr. 51 min.	1200	8,585	CFexpress 2.0 Type B	
		100.0	8 min.	34 min.	2 hr. 13 min.	1000	7,155		
		59.94	14 min.	56 min.	3 hr. 42 min.	600	4,294	CFexpress 2.0 Type B	V90
		50.00	17 min.	1 hr. 8 min.	4 hr. 26 min.	500	3,579		
		29.97	28 min.	1 hr. 53 min.	7 hr. 24 min.	300	2,148		V60
		25.00	34 min.	2 hr. 16 min.	8 hr. 52 min.	250	1,791		
		24.00	35 min.	2 hr. 22 min.	9 hr. 14 min.	240	1,719		U3
		23.98							
	Standard LGOP	119.9	17 min.	1 hr. 8 min.	4 hr. 26 min.	500	3,579	CFexpress 2.0 Type B	V90
		100.0							
		59.94	34 min.	2 hr. 16 min.	8 hr. 52 min.	250	1,791	CFexpress 2.0 Type B	U3
		50.00							
		29.97	56 min.	3 hr. 47 min.	14 hr. 47 min.	150	1,075		
		25.00							
		24.00							
		23.98							

- Video bit rate is for video only; Audio and Metadata not included

2K DCI / Full HD

Recording format	Compression method	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD card
XF-HEVC S YCC 422 10 bit	Standard LGOP	179.8	56 min	3 hr. 47 min.	14 hr. 47 min.	150	1,075	CFexpress 2.0 Type B	U3
		150.0							
		119.9	1 hr. 25 min.	5 hr. 40 min.	22 hr. 9 min.	100	718	CFexpress 2.0 Type B	U3
		100.0							
		59.94	2 hr. 49 min.	11 hr. 19 min.	44 hr. 12 min.	50	360	CFexpress 2.0 Type B	U3
		50.00							
		29.97							
		25.00							
		24.00							
		23.98							
XF-HEVC S YCC 420 10 bit XF-AVC S YCC 420 8 bit	Standard LGOP	179.8	1 hr. 21 min.	5 hr. 24 min.	21 hr. 6 min.	105	753	CFexpress 2.0 Type B	U3
		150.0							
		119.9	2 hr. 1 min.	8 hr. 5 min.	31 hr. 37 min.	70	503	CFexpress 2.0 Type B	U3
		100.0							
		59.94	4 hr. 2 min.	16 hr. 7 min.	63 hr. 1 min.	35	253	CFexpress 2.0 Type B	U3
		50.00							
		29.97							
		25.00							
		24.00							
		23.98							

2K DCI / Full HD (continued)

Recording format	Compression method	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD card
XF-AVC S YCC 422 10 bit	Standard Intra	179.8	9 min.	37 min.	2 hr. 28 min.	900	6,440	CFexpress 2.0 Type B	
		150.0	11 min.	45 min.	2 hr. 57 min.	750	5,367		
		119.9	14 min.	56 min.	3 hr. 42 min.	600	4,294	CFexpress 2.0 Type B	V90
		100.0	17 min.	1 hr. 8 min.	4 hr. 26 min.	500	3,579		
		59.94	28 min.	1 hr. 53 min	7 hr. 24 min.	300	2,148	CFexpress 2.0 Type B	V60
		50.00	34 min.	2 hr. 16 min.	8 hr. 52 min.	250	1,791		
		29.97	56 min.	3 hr. 47 min.	14 hr. 47 min.	150	1,075		U3
		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 LGOP	179.8	56 min.	3 hr. 47 min.	14 hr. 47 min.	150	1,075	CFexpress 2.0 Type B	U3
		150.0							
		119.9	1 hr. 25 min.	5 hr. 40 min.	22 hr. 9 min.	100	718		
		100.0							
		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 for video only; audio and metadata not included
- When [Audio format: AAC / 16 bit / 2CH] is set (LPCM / 24 bit / 4CH when set to RAW)
- When [Add news Metadata: OFF] is set
- Movie recording stops when maximum recording time per movie is reached
- When set to Full HD, 24.00 FPS is not available

Proxy movies (2K DCI / Full HD)

Recording format	Compression method	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD
XF-HEVC S YCC 420 10 bit		59.94	8 hr. 44 min.	34 hr. 58 min.	136 hr. 39 min.	16	117	CFexpress 2.0 Type B	U3
		50.00							
		29.97							
		25.00							
		24.00							
		23.98							
XF-AVC S YCC 420 8 bit		59.94	15 hr. 21 min.	61 hr. 25 min.	239 hr. 55 min.	9	67	CFexpress 2.0 Type B	U3
		50.00							
		29.97							
		25.00							
		24.00							
		23.98							

- Video bit rate for video only; audio and metadata not included
- When [Audio format: AAC / 16 bit / 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

Sub movies (4K DCI Fine)

Recording format	Compression method	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD card
XF-HEVC S YCC 422 10 bit	Standard LGOP	59.94	37 min.	2 hr. 31 min.	9 hr. 51 min.	225	1,612	CFexpress 2.0 Type B	U3
		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 YCC 420 10 bit	Standard LGOP	59.94	56 min.	3 hr. 47 min.	14 hr. 47 min.	150	1,075	CFexpress 2.0 Type B	U3
		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 YCC 422 10 bit	Light Intra	59.94	14 min	56 min	3 hr. 42 min.	600	4,294	CFexpress 2.0 Type B	V90
		50.00	17 min.	1 hr. 8 min.	4 hr. 26 min.	500	3,579		
		29.97	28 min.	1 hr. 53 min.	7 hr. 24 min.	300	2,148		V60
		25.00	34 min.	2 hr. 16 min.	8 hr. 52 min.	250	1,791		
		24.00	35 min.	2 hr. 22 min.	9 hr. 14 min.	240	1,719		U3
		23.98							
	Standard LGOP	59.94	34 min.	2 hr. 16 min.	8 hr. 52 min.	250	1,791	CFexpress 2.0 Type B	U3
		50.00							
		29.97	56 min.	3 hr. 47 min.	14 hr. 47 min.	150	1,075		
		25.00							
		24.00							
		23.98							
XF-AVC S YCC 420 8 bit	Standard LGOP	59.94	56 min.	3 hr. 47 min.	14 hr. 47 min.	150	1,075	CFexrpess 2.0 Type B	U3
		50.00							
		29.97	1 hr. 25 min.	5 hr. 40 min.	22 hr. 9 min.	100	718		
		25.00							
		24.00							
		23.98							

- Video bit rate for video only; audio and metadata not included
- When [Audio format: AAC / 16 bit /2CH] is set
- When [Add News Metadata: OFF] is set

Open Gate (RAW / MP4)

Recording format	Compression method	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD card
RAW	Standard RAW	29.97	3 min.	13 min.	51 min	2,600	18,631	CFexpress 2.0 Type B (400MB/sec or more)	
		25.00							
		24.00							
		23.98							
	Light RAW	29.97	5 min.	22 min.	1 hr. 27 min.	1,520	10,906	CFexpress 2.0 Type B (200MB/sec or more)	
		25.00	6 min.	26 min.	1 hr. 44 min.	1,270	9,118		
		24.00	6 min.	27 min.	1 hr. 48 min.	1,220	8,760		
		23.98							
XF-HEVC S YCC 422 10 bit	High Quality Intra	24.00	4 min.	19 min.	1 hr. 17 min.	1,730	12,376	CFexpress 2.0 Type B	
		23.98							
	Standard Intra	29.97	5 min.	21 min.	1 hr. 22 mn.	1,620	11,590	CFexpress 2.0 Type B	
		25.00	6 min.	25 min.	1 hr. 38 min.	1,350	9,658		
		24.00	6 min.	26 min.	1 hr. 42 min.	1,300	9,301		
		23.98							
	Light Intra	29.97	7 min.	31 min.	2 hr. 3 min.	1,080	7,727	CFexpress 2.0 Type B	
		25.00	9 min.	39 min.	2 hr. 28 min.	900	6,440		
		24.00	9 min.	39 min.	2 hr. 34 min.	864	6,182		
		23.98							
	Standard LGOP	29.97	17 min.	1 hr. 10 min.	4 hr. 34 min.	486	3,479	CFexpress 2.0 Type B	V90
		25.00							
		24.00							
		23.98							
XF-HEVC S YCC 420 10 bit	Standard LGOP	29.97	23 min.	1 hr. 34 min.	6 hr. 10 min.	360	2,577	CFexpress 2.0 Type B	V90
		25.00							
		24.00							
		23.98							

- Video bit rate for video only; audio and metadata not included
- When [Audio format: AAC / 16 bit / 2CH] is set (LPCM / 24 bit / 4CH when set to RAW)
- When [Add News Metadata: OFF] is set
- Movie recording stops when maxiumum recording time per movie is reached

Proxy movies — Open Gate recording (1920 x 1280)

Recording format	Compression method	Frame rate (FPS)	Total recording time (approx)			Video bit rate (approx. Mb/sec.)	File size (approx. MB/min.)	Card performance requirements	
			64GB	256GB	1 TB			CFexpress card	SD card
XF-AVC S YCC 420 8 bit	Standard LGOP	29.97	8 hr. 44 min	34 hr. 58 min.	136 hr. 39 min.	16	117		U3
		25.00							
		24.00							
		23.98							
	Standard LGOP	29.97	15 hr. 21 min.	61 hr. 25 min.	239 hr. 55 min.	9	67		U3
		25.00							
		24.00							
		23.98							

- Video bit rate for video only; audio and metadata not included
- When [Audio format: AAC / 16 bit / 2CH] is set
- When [Add News Metadata: OFF] is set
- Movie recording stops when maxiumum recording time per movie is reached

High Frame Rate (movie)	Possible in S&F movie recording
HDR movie recording	Created in-camera, using a single exposure for each video frame. Reduction of over-exposed (clipped) highlights is possible, even in high-contrast scenes. • HDR movie recording — Disable / Enable • Shadow compensation — Off / Standard / Brighter • Saturation — 0 / 1 / 2 / 3 / 4 • Limitation of maximum brightness (when HDR-PQ is active) — Disable / 1000 nits *Cannot be used with:* *– RAW movies, or HDMI RAW output* *– Frame rates higher than 60.00 FPS (30.00 FPS with 4K DCI or UHS — Fine)* *– Basic Zone recording, or during still-image shooting* *– Time-lapse movie recording* *– Live streaming* *– Open Gate recording, or Digital Zoom* *– Atuo slow shutter; Clarity; Auto Lighting Optimizer; Highlight Tone Priority; False color*
Dual shooting (still + movie)	None
Cinema view	None
Time-lapse movies	Disable / Enable in red Shooting Menu • Interval — 2 seconds ~ 99:59:59 • Shutter count — 2 shots ~ 3,600 shots • Movie recording size — 4K UHD / Full HD (DCI 17:9 recording not possible) • Movie recording format: XF-AVC S YCC422 10 bit XF-AVC S YCC 420 8-bit • Auto exposure — Fixed at first frame / Set automatically for each frame • Screen auto off — Disable / Enable • Beep for each time-lapse frame taken (volume) — 0 (silent) to 5 (set in yellow Set-up Menu: ***Volume > Beep per [shot icon] taken)***
Time-lapse movie playback	29.97 FPS (approx 2 minutes, for 3,600 frames, or 2:24 at 25.00 FPS for 3,600 frames)
Shutter speed range — Time-lapse movie	1/8000 to 30 seconds

<table>
<tr><td>Time-lapse movie record format</td><td>4K UHD:
XF-AVC S, YCC 422 10 bit / XF-AVC S, YCC 420 8 bit
High Quality Intra / Standard Intra / Light Intra (Normal image quality)
Full HD:
Same recording formats / bit depth; Standard Intra (Normal image quality)</td></tr>
<tr><td>Restrictions during Time-lapse recording</td><td>Not available during Time-lapse:
• Audio recording
• Movie Servo AF (One-shot AF before recording begins is possible)
• IS mode, Movie Digital IS, Subject tracking IS, and Movie Auto Level
• Color filter and Custom Picture (CP)
• HDR (PQ) recording, HDR movie mode; HDMI RAW output</td></tr>
<tr><td>Auto Power Off — settings retention</td><td>Time-lapse settings are retained, even if camera enters Auto Power Off</td></tr>
<tr><td>HDMI RAW output</td><td>Uncompressed video signals for ProRes RAW™ recording,
to compatible external recording devices
Off / On (in camera Menu)
• CP (Custom Picture) settings applied to HDMI RAW output video
• HDMI RAW output audio format: fixed to LPCM / 16 bit / 2CH
Audio signals of two output channels can be selected in [Audio monitor]
• HDMI RAW output possible when Movie cropping is active</td></tr>
<tr><td>Movie recording format and movie recording size — HDMI RAW output, RAW + Proxy recording</td><td>
<table>
<tr><th rowspan="2">Output</th><th rowspan="2">Format</th><th rowspan="2">Comp. method / RAW type</th><th rowspan="2">Res.</th><th rowspan="2">Image Quality</th><th colspan="6">Frame rate (FPS)</th></tr>
<tr><th>59.94</th><th>50.00</th><th>29.97</th><th>25.00</th><th>24.00</th><th>23.98</th></tr>
<tr><td rowspan="2">HDMI RAW output</td><td rowspan="2">RAW</td><td rowspan="2">Standard RAW</td><td>RAW</td><td rowspan="2">- - -</td><td></td><td></td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td></tr>
<tr><td>RAW crop</td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td></tr>
<tr><td rowspan="2">Proxy movie [card 2]</td><td rowspan="2">XF-AVC S YCC 420 8 bit</td><td>Std. LGOP</td><td rowspan="2">2K DCI</td><td rowspan="2">Normal</td><td colspan="6" rowspan="2">Same frame rate as Main movie is set for Proxy movie</td></tr>
<tr><td>Light GOP</td></tr>
</table>
Angle of view and FPS rate of Proxy movie are same as Main movie
Only HDMI RAW output when [card 2] is not inserted
No movie is recorded even if [card 1] is inserted
Light RAW not available during HDMI RAW output</td></tr>
<tr><td colspan="2">Custom Picture (CP)</td></tr>
<tr><td>CP activation</td><td>(1) via Color button
(Color button > select Custom Picture [CP] > INFO / change > Select CP file)
(2) via red Shooting Menu
(Color mode > Custom Picture [CP] > INFO / change > Select CP file)</td></tr>
</table>

CP file selection

No.	Name	Protect / Unprotect	Gamma / Color Space	Color Matrix
C1	**Canon 709**	Protect	Canon 709 / BT.709	Neutral
C2	**Canon Log 2**		Canon Log 2 / C.Gamut	Neutral
C3	**Canon Log 3**		Canon Log 3 / C.Gamut	Neutral
C4	**PQ**		PQ / BT.2020	Neutral
C5	**HLG**		HLG / BT.2020	Neutral
C6	**BT.709 Standard**		BT.709 Standard / BT.709	Video
C7 ~ C20	**User 07 to User 20**	Unprotect	Canon 709 / BT.709	Neutral

CP file editing

	Overview
Rename	Renames CP file (up to 16 characters)
Protect	Protect / Unprotect
Reset	Resets the selected CP file settings
Gamma / Color Space	Sets gamma / color space
Color Matrix	Sets color reproduction
Look File	Use Look File — On / Off
Look File Setup	Register / delete Look File
HLG Color	Sets color tones of HLG
Black	Adjusts black level and color cast of blacks
Black Gamma	Corrects gamma in dark areas
Low Key saturation	Adjusts color saturation in dark areas
Knee	Compresses bright areas, to reduce clipped highlights
Sharpness	Sharpness adjustment
Noise Reduction	Reduces digital noise
Skin Detail	Reduces noise in areas with skin tones, to give more pleasant skin appearance
Color Matrix Tuning	Fine tunes color tones
Color Correction	Corrects color tone of certain areas
Other Functions	Sets how camera outputs signals exceeding 100%

Look file

3D LUT file (".cube" format, or "Look file") — created with software such as applications for color grading, and registered in the Custom Picture File:

- Color tone of recorded video can be adjusted with the Look file
- Adjustments also applied to video on LCD screen, viewfinder, and HDMI output

Look file stored in root folder of memory card

Look file: select card that contains file in [Movie Record/Play]

A registered Look file is applied to the thumbnail of a RAW movie, but not during Playback

Custom Picture during RAW movies

CP settings not applied to a RAW movie file

CP settings are applied to video on the screen, EVF, and HDMI output during RAW movie recording

When RW movies are played back in-camera, only some CP settings are applied (such as Gamma / Color Space, HLG Color, etc.)

<table>
<tr><td>CP file saving</td><td>Save to card / Load from card
When [Save to card] is selected, the CP file is saved to currenly selected card
CP file is saved with “.CPF” extension > “C_PICT” folder > PRIVATE folder
When [Load from card] is selected, content of the number (C1~C20) selected in [Select CP File] is replaced with the content of the loaded CP file
CP file saving (Save to card / Load from card) requires same camera model</td></tr>
<tr><td>CP status</td><td>Settings in CP file can be checked</td></tr>
<tr><td>CP restrictions</td><td>• ISO speed selectable can differ, depending on items of Custom Picture
• HDR (PQ) shooting, HDR movie mode, Time-lapse movie recording, and Live Streaming are not possible
• The camera cannot frame-grab still images from movies recorded using Custom Picture
• HDMI RAW output is not possible</td></tr>
<tr><td colspan="2">Canon Log</td></tr>
<tr><td>Canon Log type</td><td>Canon Log 2 / Canon Log 3
• Selected in red Shooting Menu:
Color mode > CP (Custom Picture) > Select CP file > C2 or C3</td></tr>
<tr><td>C-Log dynamic range</td><td>Canon Log 2 — approx. 1600% (max. 15+ stops)
Canon Log 3 — approx. 1600%[1] (no number of stops provided)
1: With 4K DCI (or UHD) Fine; 29.97 or 25.00 FPS, and ISO 800 active</td></tr>
<tr><td>Gamma / color space</td><td>
<table>
<tr><th rowspan="2">HDR shooting (PQ)</th><th rowspan="2">Custom Picture</th><th colspan="2">Color Space</th></tr>
<tr><th>Internal recording</th><th>HDMI output</th></tr>
<tr><td>Disable (SDR)</td><td>Off</td><td>BT.709</td><td>BT.709</td></tr>
<tr><td>HDR PQ</td><td>Off</td><td>BT.2020</td><td>BT.709[1]
BT.2020[2, 3]</td></tr>
<tr><td rowspan="6">Disable (SDR)</td><td>Canon 709</td><td>BT.709</td><td>BT.709</td></tr>
<tr><td>Canon Log 2</td><td>Cinema Gamut</td><td>BT.709[4] /
Cinema Gamut[5]</td></tr>
<tr><td>Canon Log 3</td><td>Cinema Gamut</td><td>BT.709[4] /
Cinema Gamut[5]</td></tr>
<tr><td>PQ</td><td>BT.2020</td><td>BT.709[1] /
BT.2020[2 3]</td></tr>
<tr><td>HLG</td><td>BT.2020</td><td>BT.709[1] /
BT.2020[2 3]</td></tr>
<tr><td>BT.709 Standard</td><td>BT.709</td><td>BT.709</td></tr>
</table>
1: When connected to an SDR monitor, and when [Playback HDR/C.Log View Assist ON] is set
2: When connected to SDR monitor, and when [Playback HDR/C.Log View assist OFF] is set
3: When connected to an HDR-compatible monitor
4: When [Playback HDR/C.Log View Assist ON] is set
5: When [Playback HDR/C.Log View Assist OFF] is set
</td></tr>
</table>

Video signal range

HDR shooting (PQ)	Custom Picture	Internal recording		HDMI output	
		Range	Recording range	Range	HDMI output range
Disable (SDR)	**Off**	16–235 (8 bits) 64–940 (10 bits)	Narrow range	64–940	Narrow range
HDR PQ	**Off**	16–235 (8 bits)[1] 64–940 (10 bits)	Narrow range	64–940	Narrow range
Disable (SDR)	**Canon 709**	16–235 (8 bits) 64–940 (10 bits)	Narrow range	64–940	Narrow range
	Canon Log 2[2]	0–255 (8 bits) 0–1023 (10 bits)	Full range	0–1023	Full range
				64–940	Narrow range
	Canon Log 3[2]	0–255 (8 bits) 0–1023 (10 bits)	Full range	0–1023	Full range
				64–940	Narrow range
	PQ	16–235 (8 bits) 64–940 (10 bits)	Narrow range	64–940	Narrow range
	HLG	16–235 (8 bits) 64–940 (10 bits)	Narrow range	64–940	Narrow range
	BT.709 Standard	16–254 (8 bits) 64–1019 (10 bits)	Narrow range (contains super white)	64–1019	Narrow range (contains super white)

1: Only proxy movie / Sub movie supported
([Movie record format: XF-AVC S YCC 420 8 bit] is not selectable when [HDR shooting (PQ)] is set)

2: When connected to a monitor that is not Full Range compatible, output is with Narrow Range

Time Code

Options

Item	Details
Count up	Rec run
	Free run
Start time setting	Manual input setting
	Reset
	Time code
Movie recording count	Rec time
	Time code
Movie play count	Rec time
	Time code
HDMI	Time code: Off / On
	Rec command: Off / On
Drop frame (178.8 / 119.9 / 59.94 / 29.97 FPS supported)	Enable
	Disable
User bit type	Manual setting[1]
	Time
	Date

- At 59.94 / 50.00 FPS, time code is added to each frame of MP4 files
- For display on the camera, addition is performed every two frames

1: Up to 8 hexadecimal (0–9 or A–F) digits can be set

Movie Pre-recording

Basic function	Records 3 or 5 seconds of video, before actual recording is started by user
Activation	In red shooting menu — On / Off
Pre-recording time	3 or 5 seconds
Restrictions	• Not available for RAW movies; S&F movies; Time-lapse movies; or HDMI RAW output • [PRE-3] or [PRE-5] displayed on upper-right of screen or EVF when active • Touch sounds not played during Pre-recording • Electronic level and histogram display not possible during Pre-recording • When active, 3 or 5 seconds is subtracted to determine total recording time indicated in upper-left of screen or EVF before recording begins

S&F (Slow & Fast motion movie recording)

S&F mode activation	Via Mode Dial (S&F setting) • Exposure mode chosen on LCD screen *(tap icon in upper-left corner)* — Movie Auto exposure; S&F Shutter priority (Tv); S&F Aperture priority (Av), or S&F Manual
Exposure control	S&F movie auto exposure; S&F movie shutter priority auto; S&F movie aperture-prioity auto; S&F movie shutter-priority auto
Audio recording (S&F mode)	None

Available resolutions (S&F mode)	4K DCI / UHD; 2K DCI; Full HD (UHD) • Cannot be used with RAW movies, or HDMI RAW output
Recording FPS (S&F mode)	180 FPS ~ 1.0 FPS *Some restrictions, depending on movie record format, resolution, playback FPS*
Playback FPS (S&F mode)	NTSC — 23.98 FPS; 24.00 FPS; 29.97 FPS; 59.94 FPS PAL — 24.00 FPS; 25.00 FPS; 50.00 FPS
Maximum slow motion (S&F)	7.5x slow (at 180 FPS recording, and 23.98 FPS playback speed)
Maximum fast motion (S&F)	NTSC — 59.94x fast (at 1.0 FPS recording, and 59.94 FPS playback speed) PAL — 50.00x fast (at 1.0 FPS recording, and 50.00 FPS playback speed)
HDMI output (S&F mode)	Same as video recording FPS — maximum frame rate 59.94 FPS (NTSC) or 50.00 FPS (PAL)
Time code (S&F mode)	Available
Compatible memory cards (S&F)	CFexpress — no limitations (up to 8TB card capacity) SD cards — some restrictions when [Intra-frame recording] is active • At high frame rates (approx. 120~180 FPS), recording possible only exFAT-formatted cards (depends on combinations of other settings)
Autofocus — S&F recording	Available • AF is more difficult at shutter speeds longer than 1/25th second, or for moving subjects
Other S&F restrictions	• Relay recording; [card 1] Main / [card 2] Proxy recording; [card 1] Main / [card 2] Sub recording; and Record to multiple not available • Pre-recording; Open Gate recording; and Subject Tracking IS not available • Cannot be used with Digital Zoom; Movie auto slow shutter; Custom shooting modes; Audio settings; Live Streaming; or Time-lapse movies • Some limits on SD card recording when [Intra-frame} recording is set
SCN (Special Scene movie modes)	
Exposure control in SCN movie modes	Full auto exposure; Exposure Compensation (Brightness control) available in all except HDR movie mode.
Available SCN modes	*(selected via icon at top-left of LCD screen)* • Smooth skin movie • Movie IS mode • HDR movie

<table>
<tr>
<td>Smooth skin movie</td>
<td>
Applies [Smooth skin effect], to soften skin when recording
<table>
<tr><th>AF area</th><th>Subject to detect</th><th>Movie Digital IS / Subject tracking IS</th></tr>
<tr><td>Whole area AF</td><td>People</td><td>Off</td></tr>
</table>
Press “Q” button for:

Smooth skin effect — +1 ~ +5
Movie record size & FPS adjustment
Exposure compensation
Priority card selection (if two cards installed)
Movie self-timer
Headphone volume adjustment
AF for close-up demos (during Smooth skin movie) — On / Off (video only)

Picture Style fixed to Auto (Color filter can be set)
Live View image magnified view not possible
4K UHD Fine, 4K UHD (119.9 FPS / 59.94 FPS) and Full HD (179.8 / 119.9 FPS) cannot be set
</td>
</tr>
<tr>
<td>Movie for close-up demos
(independently activated via Q-Menu when set to Smooth skin SCN mode)</td>
<td>
Focusing on subject held in front of a person, for product demos, etc.
<table>
<tr><th>AF area</th><th>Subject to detect</th><th>Movie Digital IS / Subject tracking IS</th></tr>
<tr><td>Whole area AF</td><td>People</td><td>Off</td></tr>
</table>
Press “Q” button for same adjustments as Smooth skin movie (above)

Priority card selection not possible; replaced with Auto Picture Style / Color Filter selection; Custom Picture set-up not supported
Does not support subject selection by tapping or half-pressing shutter button
AF point / Tracking frame not displayed
AF programmed to focus at close range (on detected human subject, or object held closer to camera)

</td>
</tr>
<tr>
<td>Movie IS mode</td>
<td>
Activates Movie Digital IS ON (Enhanced) for reducion of camera shake during movie recording
<table>
<tr><th>AF area</th><th>Subject to detect</th></tr>
<tr><td>Whole area AF</td><td>Auto</td></tr>
</table>
Movie Digital IS user-adjustable (press AE Lock button/button #3):

Movie Digital IS can be turned off, or set to to: ON (standard level), Enhanced, Auto level, or Subject Tracking IS

Press “Q” button for similar adjustments as Smooth skin movie (above)

Priority card selection possible
Movie self-timer; Headphone volume adjustment not available
Movie for close-up demos not available

</td>
</tr>
<tr>
<td>HDR movies
(note: can be activated as an SCN mode [full auto exposure], or in red shooting menu in M, Av, Tv, P, and Fv modes [allows user control])</td>
<td>
High dynamic range movie, created with single exposure for each video frame — reduces overexposed / clipped highlights, even in high-contrast scenes
Available movie record sizes / FPS rates:

4K UHD Fine / 29.97 FPS or 23.98 FPS
4K UHD / 59.94; 29.97; or 23.98 FPS
Full HD / 59.94; 29.97; or 23.98 FPS

Picture Style set to [Standard]; Color Filter cannot be set

Movie for close-up demos not available

</td>
</tr>
</table>

Movie recording features	
Recording to multiple cards	Yes (see “Recording media”)
Movie pre-recording	Yes (see “Movie Pre-recording”)
Creative filters	None
Hybrid Auto recording mode	None
Video snapshot mode	None
Add movie rotate info	Enable / Disable • Vertical and horizontal information of camera during movie recording is added • Rotation info not added during RAW movie recording • Main / Proxy recording: rotation info not added to Main or Proxy movie • Main / sub recording: rotation info not added to Main or Sub movie
Start movie recording during still-image shooting	• None (not supported)
Magnified view (Digital zoom)	Approx. 1.0x–10x • Digital zoom available when Full HD 29.97 / 25.00 / 23.98 FPS is set • Only Standard LGOP can be selected (when XF-AVC S / YCC 422 / 10 bit is set, Standard Intra can also be set) • Approx. 1.6x–10x when Movie cropping is active • Zooming also possible with compatible Wireless Remote Control (BR-E1, etc.) • Cannot be used with Custom Picture [CP]; can be set with Movie Digital IS; Subject Tracking IS • Not available when Main / Sub recording is set
Movie Digital IS	Can be independently activated, vs. IBIS and lens optical IS (if the lens offers it) • Movie Digital IS settings: Off / On / Enhanced ***(red shooting menu > IS (Image Stabilizer mode) > Movie Digital IS > Off / On / Enhanced)*** • 5-axis digital stabilization (yaw / pitch / roll / shift X / shift Y) • IBIS, lens optical IS and Movie Digital IS work in combination if IS active, and Movie Digital IS is active (Coordinated IS, with RF lenses having IS[1]) • Video files cropped slightly when Movie Digital IS is active *1: RF lenses with IS, but not offering Coordinated IS — lens optical IS continues to work, with IBIS and Movie Digital IS Coordinated*
Subject Tracking IS	Available during video recording — stabilizes subject selected by user at specified position on screen. Subject position stabilized using tracking information and information on parts of detected subject (including moving subjects). • [Screen center] or [Select position] can be user-selected for [Subject position] • Cannot be used with: RAW movies; movies at 100.00 FPS or higher; S&F movies; Time-lapse movies; Live streaming; HDMI RAW output; Open Gate; Digital zoom; Manual focus • Cannot be combined with Movie Digital IS or Movie Auto Level • Angle of view will be narrowed • Not available in Basic Zone (except [Movie IS mode]); or for still images
Movie Editing (in-camera)	Video shot with same camera model can be edited in-camera • Cut beginning / Cut end / Play / Save

Frame grab	Available — individual 4K movie frames can be saved as still JPEG or HEIF[1] images • 4K DCI (Fine or Normal): approx 8.8MP (4096 x 2160) • 4K UHD (Fine or Normal): approx. 8.3MP (3840 x 2160) • Frame grab not possible from RAW or Open Gate movies, or if [Custom Picture] is set *1: HEIF images if original video is shot in [HDR shooting (PQ)]*
Touch-screen movie recording options	Movie recording can be started / stopped by tapping red Record or Stop icon
Movie self-timer	Available (Off / 10 sec. / 2 sec.) ***(red shooting Menu > Movie self-timer > Off / 10 sec / 2 sec)***
Remote control movie recording	Available, with accessory Canon BR-E1 or similar Wireless Remote Controllers (BR-E1 set to [video] position)
AF for close-up demos (video only)	Priority for AF on objects held in front of a detected person's face • **Mode dial in M/Av/Tv/P/Fv modes:** Available in AF Menu • **During SCN modes:** Available when set to Smooth skin movie mode (only); (with AF for close-up demos activated, via "Q" icon or button) • **When Mode Dial set to AF for close-up Demos icon** (full auto exposure only; brightness can be user-adjusted) • **During Live streaming:** ([Choose USB connection app] > [UVC / UAC streaming] and camera is connected via USB to computer or other compatible device)
Tally lamp	Yes (red lamp visible from front and top of camera) • Blinks slowly when free space on card becomes low • Blinks rapidly when card space is full, or maximum number of files is reached • Blinks rapidly when camera internal temperature rises and is late in overheating period • Blinks rapidly when remaining battery level indicator also begins blinking • Does not illuminate during time-lapse recording *Tally Lamp illumination varies, depending on video recording options selected*
Special White Balance options (video only)	
Shockless WB (video only)	WB smoothly adjusted when manually switching White Balance • On / Off (user-selectable in red Shooting Menu, under [White Balance setting]) • Not available in Basic Zone, or during still-image shooting
AWB response (video only)	User-set control of speed of Auto White Balance changes during video recording, if lighting changes • Low / Normal / High • Activated in red Shooting Menu, under [White Balance setting]
AWB lock (video only)	Temporarily locks AWB to current settings (AWB won't shift during recording, even if lighting changes) • Activated by customizing a button to [AWB–H] icon setting, in VIDEO Customize Buttons menu • [AWB-H] icon replaces AWB icon when activated; customized button toggles AWB lock on or off when pressed
Auto stopping of movie recording	
Overheating display and auto stop	Rising internal camera temperature indicated by appearance of thermometer icon and 10-stage analog scale (orange and red index marks indicate late warning for internal heat build-up) • Camera will automatically stop and turn off if maximum overheating detected

Standby: low resolution	Temporarily changes display frame rate and image quality during movie recording standby, to conserve battery power and offer more time for video recording • Activated in red Shooting menu (Standby: Low res.) — Off / On
Auto power off temperature (still and video recording)	User-activated in red Shooting menu (Standard / High) • Internal camera temperature, and card temperatures, can become hot when set to [High] — caution is advised when handling cards
Cooling fan settings	In yellow Set-up Menu — Cooling fan settings • Fan: fan operation options (Off / On [continuously] / Auto • Fan rotation speed: High / Medium / Low / Stop
Metadata (movie recording)	
Adding News Metadata	Available — ***red shooting Menu > Metadata > Add News Metadata (On / Off)*** • XML News Metadata file saved in XMLTAG folder, in currently selected card (up to 100 files can be saved in one XMLTAG folder)
News Metadata	Checking and selection of info in News Metadata saved to SD card is possible; it can be saved to camera (first 8 characters of News Metadata file name displayed)
Clear News Metadata	Available — clears News Metadata info stored in-camera, via an app or card
Check News Metadata status	Displays News Metadata stored in-camera (via an app or card)
Add CP file	Available — adds a Custom Picture file (metadata in XML format) to a video file • CP file not added to RAW video files • CP file is added to a Proxy or Sub-movie
Addition of info for digital image stabilizer	*(For VR movies)* Time-series inertial sensor information and other info with movie data during movie shooting is recorded. Digital image stabilization of VR movies recorded with Canon RF5.2mm F2.8 L Dual Fisheye lens can be performed in (optional) Canon EOS VR Utility software. • Not available for VR movies at 100.0 FPS or higher
Audio	
Audio format	LPCM / 24 bit / 4CH; AAC / 16 bit / 2CH • RAW movies recorded at LPCM / 24 bit / 4CH • [Main + Proxy] with RAW Main [card 1]: If Main movie set to AAC / 16 bit / 2CH, audio of Proxy movie set to same settings • [Main + Sub]: Audio format can be selected for sub movie only
Audio settings	Built-in microphone External microphone Multi-functon shoe input *Use of camera wireless features may pick up noise — camera wireless use during sound recording not recommended*
Built-in microphone	Stereo microphone, at top of camera (left and right of prism) • 48 kHz; 24 or 16 bit; 2 channels • Noise reduction (built-in mic) — Disable / Enable / High (not available for [LPCM / 24 bit / 4CH])

<table>
<tr><td>External microphone
(via external mic IN terminal)</td><td>3.5mm diameter stereo mini jack (3-pin)
• Plug-in power supported
(Canon Stereo Microphone DM-E100 recommended; compatibility info for third-party mics cannot be provided, because plug-in specs vary by manufacturer)
• Input impedance — 2.2 kΩ
• Standard input level — ⁻63 dBV
• Maximum input level — ⁻23 dBV
• Power voltage to microphone — L: 2.0 V; R: 2.0 V; GND: 0 V
Use of camera wireless features may pick up noise — camera wireless use during sound recording not recommended</td></tr>
<tr><td>Multi-function shoe — Audio input</td><td>Compatible with Canon Directional Stereo Microphone DM-E1D</td></tr>
<tr><td>Sound recording adjustment</td><td>
<table>
<tr><th rowspan="2">Item</th><th rowspan="2">Built-in microphone</th><th colspan="2">External microphone</th></tr>
<tr><th>External mic IN terminal</th><th>Multi-function shoe
DM-E1D</th></tr>
<tr><td>Recording mode[1]</td><td>Auto / Manual</td><td>Auto / Manual</td><td>Auto / Manual</td></tr>
<tr><td>Sound record level[1]</td><td>64 levels</td><td>64 levels</td><td>64 levels</td></tr>
<tr><td>Sound record level meter[2]</td><td>Yes</td><td>Yes</td><td>Yes</td></tr>
<tr><td>Wind filter[1]</td><td>Auto / Off</td><td>Off (not displayed)</td><td>On / Off</td></tr>
<tr><td>Attenuator[1]</td><td>Auto
(not displayed)</td><td>Auto
(not displayed)</td><td>Disable / Enable</td></tr>
<tr><td>Mic directionality[1]</td><td></td><td></td><td>Shotgun (mono)
90° (stereo)
120° (stereo)</td></tr>
<tr><td>Audio noise reduction[3]</td><td>Disable /
Enable / High</td><td></td><td></td></tr>
</table>
1: Can also be changed during recording in Creative Zone shooting modes (P, Tv, Av, and M). However, recorded audio in movies and played back in headphones or other devices will be temporarily interrupted when changing settings (except when changing [Record level]).
2: Sound recording level of all four channels can be checked in [Audio status]. Audio levels of channels associated with built-in mic, external mic, and accessory shoe input is displayed in sound-recording level meters.
3: Not available for [LPCM / 24bit / 4CH]</td></tr>
<tr><td>Combination of microphones</td><td>Priority given to mic input:
(1) Multi-function shoe; (2) External mic IN terminal; (3) Built-in microphone
• Microphone with first priority assigned to CH1/CH2; 2nd priority microphone assigned to CH3/CH4</td></tr>
<tr><td>Headphone terminal</td><td>Type: 3.5mm diameter stereo mini jack
Max. output level: ⁻14 dBV (16 16Ω load)</td></tr>
<tr><td>Audio status</td><td>Microphone: L or R; input 1/2
• Recording mode
• Audio recording level (when Manual is set)
• Channels
• Sound recording level meter
Monitor CH: Shoot. monitor CH of headphones
Headphone volume</td></tr>
</table>

Headphone terminal	3.5mm diameter stereo mini jack Max. output level: -14 dBV (at 16 Ω load)
Audio monitoring (headphones / HDMI)	Headphones / HDMI Headphones: • Volume: 0 (silent) ~ 15 (can also be changed during recording when in P, Tv, Av, or M exposure modes) • Audio monitoring: Real-time audio (without NR) / Recorded audio (NR applied) (not available for [LPCM / 24bit / 4CH] • Shoot. monitor CH[1]: CH1/CH2; CH1/CH1; CH2/CH2; CH1+2/CH1+2; CH3/CH4; CH3/CH3; CH4/CH4; CH3+4/CH3+4; CH1/CH3; CH2/CH4; CH1+3/CH2+4 *1: Shoot. monitor CH displays settable combination, depending on audio format* • Playback monitor CH: CH1/CH2; CH1/CH1; CH2/CH2; CH1+2/CH1+2; CH3/CH4; CH3/CH3; CH4/CH4; CH3+4/CH3+4; CH1/CH3; CH2/CH4; CH1+3/CH2+4
HDMI audio monitoring	Shoot. monitor CH: CH1/CH2; CH3/CH4 • Shoot monitor CH displays the settable combination, depending on audio format Playback monitor CH: CH1/CH2; CH3/CH4
HDMI output	
HDMI output terminal	HDMI terminal (Type A) • Resolution switches automatically • HDMI CEC not supported • Images not displayed unless [NTSC] or [PAL] set correctly for connected monitor/TV video system
HDMI output settings	HDR specification: Rec. ITU-R BT.2100 HDMI resolution: Auto / 1080p / 1080i HDMI output for movie footage: Supported (HDMI output information display) Bit depth: 10 bits Color sampling: Uncompressed YCbCr 4:2:2 Color space : BT.709 / BT.2020 Audio output: LPCM 48 kHz / 16 bit / 2CH (output channels can be set in Audio monitor) • Content in output format set on camera is displayed on connected device via HDMI • Content that can be displayed varies, depending on monitor specifications. Display matching camera settings may not be supported • HDR icon is shown when camera is connected via HDMI

HDMI resolution

	Item	Output resolution	NTSC	PAL
4K (DCI / UHD) movie recording 4K (DCI / UHD) movie playing Still photo playback	Auto	4K DCI	59.94p / 29.97p / 24.00p / 23.98p	50.00p / 25.00p / 24.00p
		4K UHD	59.94p / 29.97p / 23.98p	50.00p / 25.00p
		1080	59.94p / 60.00i / 59.94i	50.00p / 60.00i / 50.00i
		480	59.94p	
		576		50.00p
	1080p	1080	59.94p / 24.00p	50.00p / 24.00p
		480		
		576		
	1080i	1080	60.00i / 59.94i	60.00i / 50.00i
		480		
		576		
2K / Full HD movie recording 2K / Full HD movie playing Live View display in still photo	Auto	1080	59.94p / 60.00i / 59.94i	50.00p / 60.00i / 50.00i
		480	59.94p	
		576		50.00p
	1080p	1080	59.94p / 24.00p	50.00p / 24.00p
		480		
		576		
	1080i	1080	60.00i / 59.94i	60.00i / 50.00i
		480		
		576		

Output resolution and frame rate of HDMI output depend on specifications of connected monitor

Display during HDMI connection

Display during HDMI connection	Camera status	Display details	
		Camera screen	Device connected via HDMI
Playback / Menu display — *camera LCD screen*	Live View image	Yes	Yes (no information)
	Image playback / Menu display	Yes	- - -
Playback / Menu display — *connected device*	Live View image	Yes	Yes (no information)
	Image playback / Menu display	Off	Yes
Connected device only	- - -	Off	Yes

Recording to memory card is possible

If connected device does not support camera output format, images displayed at lower resolution (display may not be possible, depending on device specifications)

HDMI HDR output	Available • Although HDMI HDR output is possible, On / Off selection of HDMI HDR is not available (no HDMI HDR output menu item)

HDMI output range for Canon Log	When Canon Log 2 / Canon Log 3 is set, output range of video signal can be set during HDMI output • Prioritize Full Range / Narrow Range
HDMI RAW output	• ProRes™ RAW recording, to compatible external recorders

White balance (stills and movies)

WB modes

White balance modes	Color temperature / K (Kelvin)
AWB (Auto — Ambience priority / White prioritiy)	Approx. 3000–7000K
Daylight	Approx. 5200K
Shade	Approx. 7000K
Cloudy[1]	Approx. 6000K
Tungsten light	Approx. 3200K
White fluorescent light	Approx. 4000K
Flash[2]	Approx. 6000K
Manual	Approx. 2000–10000K
Color temperature 1	Approx. 2500–10000K[3] (set in 100K increments)
Color temperature 2	
Color temperature 3	
Color temperature 4	

1: Also effective in twilight and sunset

2: Flash WB is available, even though the camera does NOT support flash photography. Slightly warmer color rendering than Daylight WB setting.

3: Can also be changed during recording while in Creative Zone modes; Color temperature 1–4 can be switched with [Customize buttons for shooting: Switch color temperature]

Custom WB data registration

Method 1:
Shoot a test STILL image of a white or neutral-gray subject (occupying most or all of the frame; *any WB setting can be used to shoot test shot)*. Set Custom WB via "Q" button or red shooting menu. Select [Custom White Balance] menu line-item, in red shooting menu *(not the Custom WB icon under "White balance.")* Most recent shot will be played-back on LCD screen; possible to scroll to another image on memory card. Press SET burtton to use the displayed image for Custom WB calculation.

Method 2 (in either still-image or video recording mode):
Set Custom WB (select Custom WB icon) via "Q" button, or in red shooting menu.
1). Press "Q" button — then tap LCD screen icon "MENU: Shoot to set WB."
2). Camera now displays small square with Custom WB icon on LCD screen; aim this at white or neutral test subject, and press shutter button ONCE.
3). Camera takes stil test shot, even in movie recording mode. (This test image will NOT be saved to memory card.)
4). Camera confirms Custom WB obtained, on LCD screen.

WB shift

Blue–amber bias; ±1~9 levels (set via red shooting menu)

Magenta–green bias; ±1~9 levels (set via red shooting menu)

Shifted from color temperature of current WB mode

Blue–amber and Magenta–green bias adjustments can be combined

Possible in still-image and video modes; set in red shooting menu, using 8-way Multi-controller on rear of camera

Can be combined with Auto Exposure Bracketing

WB bracketing (still images only)

±1–3 levels; Blue–amber or Magenta–green adjustment

- set via “Q” button [WB bracketing icon] or red shooting menu [WB shfit/Bkt.]; rotate rear Quick Control Dial clockwise for Blue–amber bracketiing, or counter-clockwise for Magenta–green adjustment

Can be combined with WB Correction, using 8-way Multi-controller

Three still-image shots taken; not self-canceling

Image creation and image processing

Color mode (via Color button or red shooting menu)

Picture Style

Color filter

Custom Picture (CP)[1]

1: Custom Picture available during video shooting only

Picture Style (still images and video)

Auto	Faithful
Standard	Monochrome
Portrait	User Defined 1
Landscape	User Defined 2
Fine Detail	User Defined 3
Neutral	

Can be registered into C-mode 1, 2 or 3

Picture Style Detail Settings

Item		Setting
Base style		Auto / Standard / Portrait / Landscape / Fine Detail / Neutral / Faithful / Monochrome
Sharpness	**Strength**	*(Low > High):* 0 / 1 / 2 / 3 / 4 / 5 / 6 / 7
	Fineness[1]	*(Fine > Grainy):* 1 / 2 / 3 / 4 / 5
	Threshold[1]	*(Low > High):* 1 / 2 / 3 / 4 / 5
Contrast		-4 / -3 / -2 / -1 / 0 / +1 / +2 / +3 / +4
Saturation[2]		-4 / -3 / -2 / -1 / 0 / +1 / +2 / +3 / +4
Color tone[2]		[minus settings] — reddish skin tones [plus settings] — yellowish skin tones -4 / -3 / -2 / -1 / 0 / +1 / +2 / +3 / +4
Filter effect[3]		N: None / Ye: Yellow / Or: Orange / R: Red / G: Green
Toning effect[3]		N: None / S: Sepia / B: Blue / P: Purple / G: Green

1: Fineness and Threshold settings not applied to movie recording

2: Except when set to Monochrome

3: Only when set to Monochrome

Clarity

Adjusts contrast in *mid-tone* areas, for still and video images

-4 / -3 / -2 / -1 / 0 / +1 / +2 / +3 / +4

Cannot be set in Basic Zone, or used with HDR shooting (PQ)

Color space (still images only)

sRGB (Adobe RGB not supported for still images)
- HDMI output — BT.709

When set for HDR PQ: BT.2020
- HDMI output — BT.709 / BT.2020 (when connected to HDR compliant monitor)

Auto Lighting Optimizer ***(still and video recording)***	Disable / Low / Standard / High • Automatically set to Standard in Basic Zone shooting modes • In M shooting mode, possible to switch to [Disable] automatically, or to enable user selection • Cannot be combined with Highlight Tone Priority or HDR PQ • Can be changed during recording in Creative Zone modes • Not available with Custom Picture (CP)
Highlight Tone Priority ***(still and video recording)***	Disable / Enable / Enhanced • ISO with Highlight Tone Priority: Minimum ISO is 200; Expanded ISO not available for greater maximum ISO • [HDR shooting (PQ)] can be activated automatically, via Menu check-box • Cannot be combined with Auto Lighting Optimizer • Not available with Custom Picture (CP)
Noise reduction ***(still and video recording)***	Long Exposure noise reduction: Not supported High ISO speed noise reduction: Disable / Low / Standard / High • Applies at all ISO speeds • Multi-shot noise reduction not available
Smooth skin effect	Still images: SCN modes — smooth skin mode • Smooth skin effect adjustable +1~+5, via “Q” icon or button Video: SCN modes — smooth skin movie mode • Smooth skin effect adjustable +1~+5, via “Q” icon or button • Movie for Close-up Demo can be activated (or turned off) in Smooth skin mode, via Q-button
Focus breathing correction (video only)	Compensates for changes in angle of view during focus changes, in video recording In red shooting Menu: ***Lens aberration correction > Focus breathing correction > Off / On*** • Applies with compatible Canon lenses only[1] • Angle of view becomes narrower when set • Does not apply when [Distortion correction: OFF] is set • Available when [HDMI RAW output: ON] is set *1: For list of current compatible Canon lenses, see Canon web site cam.start.canon — https://cam.start.canon/en/H001/supplement_0160.html*

<table>
<tr><td>Canon RF lens correction data</td><td>
Lens aberration correction
<table>
<tr><th></th><th>Still image shooting</th><th>Movie recording</th></tr>
<tr><td>Peripheral illumination correction</td><td>Yes</td><td>Yes</td></tr>
<tr><td>Distortion correction
([OFF] not available with certain RF/RF-S lenses)</td><td>Yes</td><td>Yes
(with RF/RF-S lenses)</td></tr>
<tr><td>Focus breathing correction</td><td></td><td>Yes</td></tr>
<tr><td>Digital Lens Optimizer (DLO)[1, 2]</td><td>Yes</td><td></td></tr>
<tr><td>Chromatic aberration correction[3]</td><td>Yes</td><td>Yes</td></tr>
<tr><td>Diffraction correction[2]</td><td>Yes</td><td>Yes</td></tr>
</table>
1: Disable; Standard; and High can be set (still images ONLY)
Both chromatic aberration correction and diffraction correction are set to ON
At [High] setting, maximum burst (number of shots) will decrease
2: Automatically set to [Standard] in Basic Zone shooting modes
3: Displayed when [Digital Lens Optimizer: Disable] is set
</td></tr>
<tr><td>Storing of lens aberration information</td><td>Aberration information of lens currently used is stored in RAW image metadata
• Information for third-party image processing software:
Peripheral illumination correctioon; Distortion correction; Chromatic correction
(focus breathing correction, Digital Lens Optimizer, and diffraction correction not applicable)</td></tr>
<tr><td colspan="2">Autofocus</td></tr>
<tr><td>Focusing method</td><td>Dual Pixel CMOS AF (read from CMOS imaging sensor)</td></tr>
<tr><td>Cross-type AF</td><td>None</td></tr>
<tr><td>Smallest (maximum) lens aperture allowing AF</td><td>AF available at effective maximum lens apertures of f/22 or faster
(lower f/ number)</td></tr>
<tr><td>Brightness range for AF</td><td>Still images: EV -6.5 ~ 21
Movie recording: 4K DCI 30p / 4K UHD 30p: EV -4 ~ 21
2K DCI 30p / Full HD 30p: EV -4 ~ 21
(with f/1.2 lens[1], center AF point, One-shot AF, ISO 100, at room temperature; movie specs measured at 29.97 / 25.00 FPS)
1: Except RF lenses with Defocus Smoothing (DS) coating</td></tr>
<tr><td>Focusing operation</td><td>Still-image shooting: One-shot AF; AI Focus AF; Servo AF
Movie recording: One-shot AF; Movie Servo AF
Manual focus supported for stills and movies
• AI Focus AF:
camera automatically switches from One-shot AF to Servo AF in response to subject movement (also applies during continuous shooting)</td></tr>
<tr><td>Select focus mode in camera menu</td><td>Yes (when RF/RF-S lenses without a focus mode switch are used)
• Lenses with AF mode switch: lens switch setting takes priority</td></tr>
<tr><td>Preview AF</td><td>Activates continuous AF when camera is awake, before user half-presses shutter button or AF activation button
Enable / Disable (still-image shooting only)</td></tr>
<tr><td>Image area used for AF detection</td><td>Varies, depending on lens used
• Most Canon RF and RF-S lenses: AF coverage approx. 100% (H) x 100% (V)
• List of current lenses: see cam.start.canon web site
(https://cam.start.canon/en/H001/supplement_0110.html)</td></tr>
</table>

Number of AF Areas for auto selection	With focusing area approx. 100% x 100%: Still images — max. 1053 zones (39 x 27) Movie recording[1] — Max. 897 zones (39 x 23) *1: When 4K DCI Fine / 4K DCI is set*
Selectable positions for user-set AF point movement[1]	Still images — max. 6,097 positions (91 x 67) Movie recording[2] — max. 4,641 positions (91 x 51) *1: Max. user-adjustable AF point movement over approx. 90% (H) x 100% (V)* *2: When 4K DCI Fine / 4K DCI is set*
AF Areas (stills and movies)	Spot AF 1-point AF Expand AF area — 4-point surround Expand AF area — 8-point surround Flexible Zone AF 1 Flexible Zone AF 2 Flexible Zone AF 3 *(each Flexible Zone AF Area user-adjustable, from 9 zones [3x3] to 945 zones [35x27])* Whole Area AF (max. 1,053 zones — 39 x 27) *Movie recording: AF Areas limited when Subject Tracking IS active*
AF Areas *with lock icon* (subject detection & AF Tracking OFF)	None (no lock icon available when selecting AF Area) • AF Tracking On/Off via Q-button + INFO button
Limit available AF Areas	Available
Orientation-linked AF Area	Automatic changing of AF point location (or AF Area + point location) when camera is rotated [Same for both vert / horiz] — AF point location fixed at location set by user [Separate AF pts: Area + pt.] — AF point location and choice of AF Area change automatically when camera is rotated [Separate AF pts: Pt only] — AF point location (only) changes if camera rotated
Touch AF	Available (tap LCD screen to position active AF area) • Selected in green Customized Controls when shooting Menu
Touch & drag AF settings	None (not supported)
Lens drive when AF impossible	Continue focus search / Stop focus search
AF-assist beam firing	AF-assist beam activated in One-shot AF during still-image shooting • AF-assist via orange-colored LED, at front of camera near grip section Enable — (1) Camera's built-in AF-assist beam (LED on front of body) *(AF-assist beams on speedlites will not fire — not supported)*
Focus preset	Memorize a focus distance, and immediately return to it with a button press • Using customized buttons, on-camera[1] • Using customized Lens Function buttons (on select RF lenses) • Movie Servo AF focus speed is at maximum level during video recording *1: Two customized buttons required: one to set desired distance (Register focus preset), and a second button to have AF return to memorized distance (Playback focus preset)*
AF Setting Guide URL (in camera's AF Menu)	None

Subject detection, AF tracking	
Detectable subjects	**Auto**[1] (People / Animals / Vehicles) **People**[2] **Animals** (birds, cats, dogs, horses) **Vehicles** — *Spot Detection of open, uncovered helmeted drivers/riders can be activated iseparately* • (motorsports vehicles — cars[3] / motorcycles / dirt bikes); aircraft (jets, helicopters); trains[4] **None** (no subject detection AF performed) • Fixed to [Auto] in Basic Zone shooting modes; selectable options vary in SCN shooting modes • User direct selection of Subject to Detect possible by customizing a button *1: In scenes with multiple subjects for detection, most fitting subject (based on detection results and how scene is composed) is selected* *2: Compatible animals or vehicles will be selected if no person detected upon activation of AF; if animals or vehicles also detected, people are priority* *3: Formula cars; GT cars; rally cars* *4: High-speed trains; Limited express trains; Conventional lines; Steam trains*
Subject detection — detectable priority	**People**: (1) Eyes; (2) Face; (3) Head; (4) Body • Momentary inability to detect eyes / face / head will cause camera to prioritize body; when these can be detected again, they again take priority **Animals** (1) Eyes; (2) Face; (3) Entire body **Vehicles** (1) Entire vehicle (cars, motorcycles, or aircraft); (2) Front (trains)
Spot detection (vehicles)	Priority AF placed on detected helmet of driver or rider • Driver/rider must be in open-roof vehicle, and not covered by windshield or similar obstructions • With conventional stock cars, etc., priority will be placed on vehicle, rather than rider viewed through a windshield and/or covered by roof
Limit subjects to detect	Available (except in Basic Zone shooting modes) Auto / People / Animals / Vehicles / None — one or more can be chosen; when chosen, they are not selectable (can be restored by user at any time)
Eye Detect AF	Available (Auto / Right eye / Left eye) • Right and Left eye refer to subject's actual right or left eye, not as viewed from camera position

Whole area tracking AF	On / Off • Still-image shooting: tracking performed using Whole-area AF when AF is activated • Tracking frame displayed • Video recording: if AF Area is set to any option other than [Whole-area AF], Whole-area tracking is not performed after shutter button is half-pressed • Cannot be set in Basic Zone shooting modes • Part of subject with highest priority out of detectable parts will be selected as AF target • When OFF, if AF Area is in contact with subject's face/head area, the eyes may be selected as the AF target. If subject's body is primary detectable part of subject, tracking frame is not displayed.
Start & stop whole area AF tracking	Possible, via SET button • After tracking begins, tracking frame appears as double-frame • Can be started with Touch AF, when set for Whole-area AF tracking
Initial AF tracking position (AF Area)	[Whole area tracking Servo AF: ON] + [Whole Area AF] active — Tracking begins at subject position where a tracking frame is displayed AF Area: other than Whole-area AF — indicated by color of tracking frame • WHITE: Tracking begins where subject detected (AF point / AF Area are overlapping, or near each other) • GRAY: Tracking begins at AF point or Area (AF point / Area and subject are not overlapping, or near each other)
Switching tracked subjects	None (video recording — integrated into [Subject switching sensitivity] in AF menu)
Lens drive when AF impossible	Continue focus search / Stop focus search
AF-assist beam firing	Activated during One-shot AF (still-image shooting only) • Camera's built-in AF-assist beam (orange LED, on front of camera body) • AF-assist from attached speedlite not supported (all types of beams) • No AF-assist beam when AF operation set to [Servo]
Manual focus	
MF activation method	(1) via AF/MF switch on lens (2) via [Focus Mode] menu setting (in AF menu) *[Focus Mode] grayed-out in Menu if attached lens has AF/MF switch on lens*
Lens electronic MF	Selected in AF Menu: **DISABLE** **Disable after One-shot AF:** No manual focus adjustment possible after One-shot AF confirms focus **One-shot –> enabled:** Manual focus possible after One-shot AF confirms focus, while continuing to half-press shutter button **One-shot –> enabled (magnify):** Manual focus with magnification of focus area possible, while continuing to half-press shutter button **Enable (actual size):** Manual focus always possible, while camera is turned on, before or after AF. Full picture area visible on LCD screen (not magnified). **Enable (One-shot –> magnify):** Manual focus always possible, while camera is turned on. Magnification of focus area possible as lens focus ring is turned, after One-shot AF *Requires RF or RF-S lens compatible with Full-time Manual Focusing*

MF peaking settings	Available — displays high-contrast subject edges as they enter sharp focus, in user-specified color Level: High / Low Color: Red / Yellow / Blue
Focus guide	Available — displays a guide frame (similar to single AF point) with index marks to show correct focus, front-focused state, or rear-focused state • If subject is a person, face or eye detection is possible
Lens focusing ring rotation direction (RF / RF-S lenses)	Available: direction of manual focus can be changed in green Customized controls when shooting Menu ***Focus ring rotation > Normal / Reverse direction***
Shutter button: clear MF Magnify (still-image shooting only)	Available (AF Menu) — On / Off Clears magnified view in MF mode, when shutter button is half-pressed *(shutter button only; does not apply if [Metering + AF Start] has been applied to a customized button)*
Lens focusing ring sensitivity (RF / RF-S lenses)	Available (green Customized controls when shooting Menu) Varies with rotation speed / Linked to rotation degree
Lens Control Ring: MF or Control Ring functionality	Available — Use as focus ring / Use as control ring • *Lenses with combination MF ring / Control Ring (no switch on lens for MF / Control Ring operation):* User-selected Menu choice for ring to be Manual focus ring or Control Ring (set in green Customized controls when shooting Menu) • *Lenses with both Control Ring and separate Manual Focus ring:* If [Use as Control Ring] is selected in Menu, focus ring on lens functions as Control Ring; actual lens Control Ring will be inoperative
Register (memorize) AF settings	
Register people priority	Available (Enable / Disable) — allows camera to detect specific people in a scene (even with multiple people in the frame) and focus upon them Requires taking a test shot of one or more people to be registered (with faces visible), with [Photograph people and register] active in AF Menu • If more than one person is registered, priority can be set by user, and can be changed by user • Up to 10 files (individual people) can be registered • [Register people from image on card]: Possible to have existing image(s) of head and face of a person, and add them for Register people priority • When a registered person is detected in a scene, a round icon is displayed surrounding the active AF Area • If subject tracking is active: Subject being tracked gets priority for AF, even if registered person is detected *Registered subject images are stored in-camera — it is not necessary for memory card that initially captured image to be registered to be in-camera*
Register people priority: Menu choices (AF menu)	Photograph people and register Register people from image on card (RAW images cannot be registered) Change / del. priority of reg. people Delete all registered people Save / load registered data on card (file re-naming is possible): • Save registration data on card / Load from card (overwrite) / Load from card (add)
Register / recall AF-related settings	None (not supported)

Focus preset	Available (register / recall) • User-applied to specific buttons, via [Customize buttons for shooting] • Two buttons required (one for [Register focus preset]; one for [Playback focus preset] (return lens focus to memorized position) • Available for still-images and video (AF will be at maximum speed when recording video) • Available only with RF lenses capable of AF (EF lenses not compatible)
Movie Servo AF	
Movie Servo AF activation	Enable / Disable (in AF menu, when set for video recording)
Subject detection with Movie Servo AF	Auto / People / Animals / Vehicles / None
Subject detection priority	Detect. priority Detect. only • Detect only: Movie Servo AF restricted to main detected subject *(focus remains at last position, if subject is lost and cannot be detected; if subject returns, AF resumes on that subject)* • In AF menu: ***Movie Servo AF > Subject detect. AF > Detect priority / Detect only***
Movie Servo AF speed	User-adjustable — 1 (slow) ~ 10 (fast) • Available with lenses supporting slow focus shift during movie recording[1] • Same settings during standby and actual movie recording *1: List of compatible lenses at cam.start.canon web site: https://cam.start.canon/en/H001/supplement_0070.html*
Movie Servo AF tracking sensitivity	Integrated into [Subject switching sensitivity] (AF menu during video recording) • Not available in Full Auto [A+] or SCN shooting modes, during video recording
AF for close-up demos	Available: • In Creative Zone shooting Modes (M, Av, Tv, P, Fv), in AF Menu • During video calls or streaming via USB • Also available as shooting mode: SCN modes –> Movie for close-up demos or during Smooth skin movie mode, with [AF for close-up demos] activated via “Q” icon or button
Track after Focusing (video only)	Main subject to be targeted by AF can be switched, using Lens electronic MF • Off / On (Tracking frame) / On (No Tracking frame) • Orange-colored tracking frame displayed for potential subject switching • Requires [Movie Servo AF: Enable]; Compatible RF / RF-S lens; and [Lens electronic MF: Enable (actual size)] / [Enable (One-shot AF –> magnify] to be set • Requires AF Area at: Flexible Zone AF (1~3) or Whole-area AF
Registering (memorizing) AF settings	
Register/return AF Area to home position	None
Special AF features	
Eye control AF	None
Action Priority AF	None

Focus bracketing

Description	Continuous still-image recording, with focus distance progressively adjusted from initial position towards infinity for each successive shot • Remote control can be used • User selects number of Focus Bracketed shots, and focus increment to be changed for each shot • User selects Exposure mode (Creative Zone modes only); initial subject for focus at first frame; lens aperture (if camera is in M or Av mode) • Position of AF Area / point for first shot in sequence will be used for second and subsequent Focus Bracketed shots • Electronic shutter only — flash images not possible
Compatible image types	RAW; C-RAW; JPEG; HEIF (compositied images will be JPEG; if recorded as HEIF images ([HDR shooting (PQ)] active), in-camera composited image(s) will also be HEIF format
In-camera compositing (combining of source images)	Yes • Also possible to composite Focus Bracketed images, using Canon Digital Photo Professional software, on compatible Macintosh™ or Windows™ computers
Focus bracketing setting	**Focus bracketing**: Enable / Disable **Shutter count**: 2 ~ 999 still images **Focus increment**: 1 (narrow) ~ 10 (wide) **Exposure smoothing**: Enable / Disable *(set to [Enable] to suppress changes in brightness of lens aperture at different focus positions)* **Depth composite[1]**: Enable / Disable **Crop depth composite[2]**: Enable / Disable *1: Set to DISABLE to save only source images, for compositing later using compatible computer software. ENABLE saves both original source files, and in-camera depth-composited image(s).* *2: Auto cropping of finished, in-camera composited image, to remove outer areas without sufficient compositing information, due to shifts in composition from hand-holding or camera shake during bracketed shooting*

Viewfinder

Eye-level viewfinder	None

LCD screen

Type	TFT color LCD screen
LCD screen dimensions	Size: 3.0 inch (3:2 aspect ratio) • Diagonal: Approx. 2.95 in. (7.5 cm) Width: Approx. 2.44 in. (6.2 cm) Height: Approx. 1.65 in. (4.2 cm)
Dot count (approx.)	Approx. 1.62 million dots
Viewing angle	Approx. 170° (horiz. and vertical)
Coverage	Approx. 100% (at Large image size, with 3:2 aspect ratio)
Screen brightness	User-adjustable; 1~7 range • Adjusted in yellow Set-up Menu: ***Screen brightness > 1~7 scale***
Color tone adjustment	Warm tone / Standard / Cool tone 1 / Cool tone 2 • Yellow set-up Menu: ***Screen/viewfinder color tone > select 1~4***

<table>
<tr><td>LCD display frame rate setting</td><td>Screen refresh rate: 59.94 FPS

Video frame rate (LCD screen):
Corresponds to movie FPS rate

• Except for video shot at 100.0 FPS or faster (including S&F movies);
and except in standby when set to [Standby: low res ON]

Still image shooting:
Power saving — 29.97 ~ 7.49 FPS (during AF operation: 59.94 ~ 7.49 FPS)
Smooth — 59.94 ~ 7.49 FPS (during AF operation — same)

Suppress lower frame rate: fixed at 59.94 FPS

Fixed at 29.97 FPS during magnified view</td></tr>
<tr><td>Vari-angle LCD adjustment</td><td>Yes

• Opening angle: approx. 0–175°

• Rotation angle — forward: approx. 0–90°; backward: approx. 0–180°</td></tr>
<tr><td>LCD screen coatings</td><td>Anti-smudge coating provided (no anti-reflection coating)</td></tr>
<tr><td>Touch-screen</td><td>Detection method: capacitive sensing</td></tr>
<tr><td>Touch-screen operations</td><td><table>
<tr><td>AF point selection / Touch AF</td><td>Supported</td></tr>
<tr><td>Touch shutter[1]</td><td>Disable / Enable</td></tr>
<tr><td>Menu setting touch control</td><td>Supported</td></tr>
<tr><td>Quick Control touch control</td><td>Supported</td></tr>
<tr><td>UI magnification[2]</td><td>Enable / Disable
(double-tap with two fingers to magnify menu screens around the two points touched)</td></tr>
<tr><td>Touch control</td><td>Enable / Disable</td></tr>
<tr><td>Volume: touch sounds</td><td>Volume: 0 (silent) ~ 5 (maximum)</td></tr>
</table>
Touch control in green Customized controls menu:
Touch control > Enable / Disable

1: Continuous shooting by touch operation not available

2: In yellow Set-up Menu: UI Magnification > Enable / Disable</td></tr>
<tr><td>Reverse display</td><td>On / Off — in red Shooting Menu: Reverse display > On / Off

• Reverses LCD screen display, when angled so screen faces front of camera</td></tr>
</table>

LCD screen Display settings

Viewfinder / screen display

None (not supported)

Display simulation

Item	Simulation display	
	Exposure	Depth-of-field
Exposure + DOF [1 2 3]	Yes	Yes
Exposure [1]	Yes	
Exposure only during DOF preview	Yes	Yes
Disable	Display at the correct exposure	- - -

Applies in Fv / P / Tv / Av / M modes, for still-image shooting

1: [Exposure + DOF] is available with RF lenses, and with some (not all) EF lenses

2: With EF lenses, shutter-releast time lag may increase

		Depth of field simulation display
Standby		Yes
During AF operation	**Aperture**	Up to f/8
	Under low light	- - -
During continuous shooting		- - -

Optical viewfinder simulation (OVF simulation view assist)

- None (no eye-level viewfinder)

HDR / Canon Log view assist

Makes video output to screen or viewfinder, or via HDMI, easier to view when [HDR shooting (PQ)] is active, or when the following are set in Custom Picture: Canon Log 2; Canon Log 3; PQ; HLG

Screen:

- Off
- On (BT.709 during CP)
  When [HDR shooting (PQ)] is active, images converted to resemble how they would look on an HDR support display device. When Custom Picture is applied, images simply converted to standard gamma and color space are displayed.
- On (HDR Assist during CP)
  When [HDR shooting (PQ)] is active, images converted to resemble how they would look on an HDR support display device. When Custom Picture is applied, images converted to resemble how subjects of intermediate brightness would look on an HDR support display device.

HDMI:

- On / Off
  When set to ON, operation is same as [Screen: On (BT.709 during CP)]

Depth-of-field preview

Available

- *via customized button,* set for DOF preview)
- When [Display simulation: Exposure + DOF] is set

Electronic level display

Available (horizontal and vertical)

Magnified view	**Still-image shooting / during movie recording standby:** Magnification: 5x / 10x • Available for all AF Area settings • Magnified view can be cancelled in Servo AF or AI Focus AF by pressing shutter button half-way **Magnified recording display — during movie recording** Off / On (LCD screen) Magnification 2x / 5x / 10x • Even if magnified view is used during recording, video will not be recorded in magnified state • Cannot be used with time-lapse movies; digital zoom; or live streaming at higher frame rate than 60 FPS for 4K DCI / UHD • During HDMI output, magnified view is only shown on camera screen or viewfinder. (Devices connected via HDMI do not display the magnified view.) • 5x and 10x magnification not available when Open Gate MP4 is set
Image review (auto, after last image taken)	Off / 2 sec. / 4 sec. / 8 sec. / Hold
LCD screen information displays ***(press INFO button to toggle through different screen displays)***	1 — Live view + Basic shooting info + on-screen Buttons 2 — Live view + Basic shooting info + Detailed shoot info + on-screen buttons 3 — Live View + Basic shoot info + Detailed shoot info + on-screen buttons + Histogram (or Waveform Monitor) + Electronic level display 4 — Live View (no additional screen info; AF point[s] only) 5 — Camera setting display (no Live View image)
Shooting information display: still-image shooting	Grid display: Off / 3x3 / 6x4 /3x3 + diagonal Histogram (press INFO button to display): • Brightness / RGB (set in red Shooting menu: ***Shooting info display > Brightness info > Histogram setting***) • Histogram display size: Large / small Electronic level size: Large / Small Card free space (%) display: Off / On Lens information display: • Focus distance display[1] — in MF mode / When focusing / Always / Disable (unit — meters / feet) • Focal length display — Enable / Disable • SA variable amount[2] *1: Requires a lens supporting display of lens information* *2: Can be set with RF100mm F2.8 L MACRO IS USM lens (SA stands for Spherical Aberration)*

Shooting information display: movie recording	Grid display: Off / 3x3 / 6x4 / 3x3 + diagonal Brightness info: • Histogram (brightness or RGB display; Display size: Large / Small • Waveform monitor: Type (Line / RGB) • Zebra display • False color display • Electronic level size: Large / Small Recording emphasis (red outline surrounding image on screen and viewfinder): On / Off Aspect marker (Marker 1 / Marker 2): Off / 1:1 / 4:5 / 5:4 / 9:16 / 4:3 / 13:9 / 14:9 / 16:9 / 1.375:1 / 1.66:1 / 1.75:1 / 1.85:1 / 1.90:1 / 2.35:1 / 2.39:1 Lens information display: • Focus distance display[1] — In MF mode / When focusing / Always / Disable • Focal length display — Enable / Disable • SA variable amount[2] — Enable / Disable *1: Can be displayed when the attached lens supports display of lens information* *2: Can be set when using RF100mm F2.8 L MACRO IS USM lens (SA stands for Spherical Aberration)*
Rotate movie shooting info display	Rotates shooting information and Quick Control settings to vertical orientation when camera is held vertically • Enable / Disable (red shooting Menu: ***Rotate movie shoot info display > On / Off***) • Not available during still-image shooting or playback • Menu display and camera setting display cannot be rotated
Zebra display (video only)	Striped pattern over areas of a user-defined brightness level, on the live view image (EVF or screen) Zebra Settings: On / Off (in red Shooting Menu — Zebra settings) Two Zebra brightness levels: Zebra 1 level / Zebra 2 level Available display patterns: Zebra 1 / Zebra 2 / Zebra 1+2 • Zebra 1 level: user-adjustable 5%~95%, in 5% increments (left-leaning diagonal zebra lines) • Zebra 2 level: user-adjustable 50%~100%, in 5% increments (right-leaning diagonal zebra lines) *Cannot be used in Basic Zone shooting modes, or time-lapse movies* *Cannot be combined with False Color or MF peaking* *During HDMI output, zebra pattern only visible on camera screeen (HDMI-connected devices will not display camera-generated zebra patterns)*

<table>
<tr><td>False color</td><td>Provides visual indication of current image exposure levels — specific colors applied to specific brightness levels in scene, at current camera exposure settings
Red — white clipping (clipped highlights)
Yellow — just below white clipping
Pink — one stop over 18% gray
Green — 18% gray
Blue — Just above black clipping
Purple — black clipping (loss of detail in shadows)
Neutral color — brightness other than above
• Cannot be used in Basic Zone exposure modes, or for time-lapse movies
• Cannot be used with camera's color filter feature
• Cannot be used with Auto Lighting Optimizer; Zebra display; MF peaking; or still-image/video HDR/C-Log View Assist (screen or viewfinder)
• HDMI displays: False color only displayed on camera, except when set to [Display only (icon)]</td></tr>
<tr><td colspan="2">HDMI output</td></tr>
<tr><td>HDMI terminal type</td><td>HDMI terminal (Type A) ("full-size" HDMI terminal)
• Resolution switches automatically
• HDMI CEC (Consumer Electronics Control) not supported
• Images not displayed on external device, unless [NTSC] or [PAL] is correctly set for the TV video system</td></tr>
<tr><td>HDMI output settings and description</td><td>
<table>
<tr><td>HDR specification</td><td>Rec. ITU-R BT.2100</td></tr>
<tr><td>HDMI resolution</td><td>Auto / 1080p / 1080i</td></tr>
<tr><td>HDMI output for movie footage</td><td>Supported
(HDMI output information display)</td></tr>
<tr><td>Bit depth</td><td>10 bits</td></tr>
<tr><td>Color sampling method</td><td>Uncompressed YCbCr 4:2:2</td></tr>
<tr><td>Color space</td><td>BT.709 / BT.2020</td></tr>
<tr><td>Audio output</td><td>LPCM 48 kHz / 16 bit / 2CH
(output channels can be set in Audio monitor)</td></tr>
</table>
Output format set on camera is displayed on HDMI-connected device
• Content that can be displayed varies, depending on specifications of connected monitor. Thus, display matching of camera settings may not be supported.
• HDR icon is shown when camera is connected via HDMI</td></tr>
</table>

HDMI resolution

	Item	Output resolution	NTSC	PAL
4K (DCI / UHD) movie recording 4K (DCI / UHD) movie playing Still photo playback	Auto	4K DCI	59.94p / 29.97p / 24.00p / 23.98p	50.00p / 25.00p / 24.00p
		4K UHD	59.94p / 29.97p / 23.98p	50.00p / 25.00p
		1080	59.94p / 60.00i / 59.94i	50.00p / 60.00i / 50.00i
		480	59.94p	
		576		50.00p
	1080p	1080	59.94p / 24.00p	50.00p / 24.00p
		480		
		576		
	1080i	1080	60.00i / 59.94i	60.00i / 50.00i
		480		
		576		
2K / Full HD movie recording 2K / Full HD movie playing Live View display in still photos	Auto	1080	59.94p / 60.00i / 59.94i	50.00p / 60.00i / 50.00i
		480	59.94p	
		576		50.00p
	1080p	1080	59.94p / 24.00p	50.00p / 24.00p
		480		
		576		
	1080i	1080	60.00i / 59.94i	60.00i / 50.00i
		480		
		576		

Output resolution and frame rate of HDMI output depend on specifications of connected monitor display

Display during HDMI connection

Display during HDMI connection	Camera status	Display details	
		Camera screen	Device connected via HDMI
Camera + external monitor *(camera playback/menu display — camera's LCD screen)*	Live View image	Yes	Yes (no information)
	Image playback / Menu	Yes	- - -
Camera + external monitor *(playback/menu display — external monitor screen)*	Live view image	Yes	Yes (no information)
	Image playback / Menu	Off	Yes
External monitor only	- - -	Off	Yes

If HDMI-connected device does not support camera output format, images are displayed at lower resolution.
Display may not be possible, depending on device specifications.

Recording to camera memory card is possible.

HDR output via HDMI	Available • Although HDMI HDR output is possible, there is no selection of HDMI HDR output (On / Off) — there is no [HDMI HDR output] Menu item
HDMI RAW output	Supported

HDMI output range for Canon Log	When Canon Log 2 / Canon Log 3 is set, output range of video signal can be set for when HDMI output is performed • Prioritize Full Range / Narrow Range	
Shooting modes (stills and video)		
A+ (mode dial)	Scene Intelligent Auto • Video: Scene Intelligent Auto movies	
Movie for close-up demos	Basic zone (fully auto exposure) mode; modifies AF to prioritize objects held in front of a human subject (overall brightness is adjustable) • Reverts to standard full-auto operation for still image shooting	
SCN[1] (mode dial)	**Still images:** Portrait; Smooth skin; Panoramic shot[2]; Food[3]; Handheld Night Scene; *1: [Brightness] can be set in all SCN modes (except in HDR Backlight Control mode)* *2: Panoramic shot mode: Users can set preferred direction to move camera (right / left / up / down). Automatically set to [Large / Fine] and [Low-speed continuous] Drive mode. The following cannot be set: [Cropping / aspect ratio]; and [Color mode].* *3: [Color tone: Cool tone – Warm tone (five levels)] can be set* **Movie recording:** Smooth skin movie; Movie for close-up demos; Movie IS mode; HDR movies	
	Still images	**Video**
FV (mode dial)	Flexible-prioritiy AE	Movie auto exposure
P (mode dial)	Program AE	Movie auto exposure
Tv (mode dial)	Shutter-priority AE	Movie shutter-priority Auto
Av (mode dial)	Aperture-priority AE	Movie aperture-priority Auto
M (mode dial)	Manual exposure	Movie manual exposure
B (mode dial)	None (no setting on Mode Dial)	
S&F (mode dial)	Program AE	S&F movie auto exposure S&F movie shutter-priority Auto S&F movie aperture-priority Auto S&F movie manual exposure
C1 / C2 / C3 ***(separate settings for still and video shooting can be saved to C1/C2/C3)***	Custom shooting mode *(separate 3 customized sets for stills)*	Custom shooting mode *(separate 3 customized sets for video)*
Exposure control		
Metering modes: **Still images**	Evaluative metering Partial metering *(approx. 6.2%[1] measured, at center of screen — Partial circle appears on EVF & screen)* Spot metering (multi-spot metering not available) *(approx. 2.9%[1] at center of screen — Spot circle appears on EVF and screen)* Center-weighted average metering *1: When set to full-frame. Values differ when 1.6x crop or Digital tele-converter is active.*	
Metering modes: **Movies**	Evaluative metering *(video — Partial, Spot and Center-weighted metering not available)*	
Metering sensor; **number of metering zones**	CMOS image sensor; 384-zone (24x16) metering *(same applies when set to 1.6x crop)*	

<table>
<tr><td>Metering brightness range</td><td>Still images — EV -3 ~ 20
Movies — EV -1 ~ 20</td></tr>
<tr><td>Metering timer</td><td>4 sec. / 8 sec. / 16 sec. / 30 sec. / 1 min. / 10 min. / 30 min.</td></tr>
<tr><td>Exposure beyond range warning</td><td>Blinking shutter-speed and aperture display (EVF and screen)</td></tr>
<tr><td>E-TTL flash metering</td><td>None (not compatible with flash photography)</td></tr>
<tr><td>Detect priority AE with AF active</td><td>Yes
• Exposure adjustment performed with priority given to detected subject (Tracking Frame), according to [Subject to detect] settings
• Disable / Enable
• Requires Evaluative metering
• When [Disable] is set, exposure is adjusted for entire image area, based on Evaluative metering results</td></tr>
<tr><td>User-set range of shutter speeds</td><td>Electronic shutter (only):
• Lowest speed: 1/8000 ~ 30 sec. (available range adjustable in 1-stop increments)
• Highest speed: 1/16000 ~ 15 sec. (available range adjustable in 1-stop increments)</td></tr>
<tr><td>User-set range of apertures</td><td>Maximum: f/1.0 ~ f/64 (adjustable in 1-stop increments)
Minimum: f/1.4 ~ f/91 (adjustable in 1-stop increments)</td></tr>
<tr><td>Same exposure for new aperture (for manual exposure)</td><td>Disable / ISO speed / ISO speed + shutter speed</td></tr>
<tr><td>Video: Aperture set in 1/8 stop increments</td><td>On / Off (requires RF lenses)</td></tr>
<tr><td>Lens aperture control — video recording</td><td>Automatically set:
Basic Zone (A+, Movie for close-up demos, SCN modes); Movie auto exposure (Fv, P, and B modes); Movie shutter-priority (Tv)

Manually set by user:
Movie aperture-priority (Av); Manual exposure mode (M)</td></tr>
<tr><td>Lens iris ring support[1]</td><td>Lens aperture (iris) adjustable when RF lens with Iris Ring is attached to camera
<table><tr><th>Shooting mode</th><th>Iris ring setting</th><th>Aperture value when shooting</th></tr><tr><td rowspan="2">A+</td><td>Auto</td><td>Camera sets aperture automatically</td></tr><tr><td>Other than Auto</td><td>According to user-set Iris Ring setting</td></tr><tr><td rowspan="2">M / Av
(Aperture value — manual setting)</td><td>Auto</td><td>Camera sets aperture automatically</td></tr><tr><td>Other than Auto</td><td>According to user-set Iris Ring setting</td></tr><tr><td rowspan="2">Tv / P
(Aperture value — automatically set)</td><td>Auto</td><td>Camera sets aperture automatically</td></tr><tr><td>Other than Auto</td><td>According to user-set Iris Ring setting</td></tr></table>1: Applies to both video and still-image shooting</td></tr>
<tr><td>Anti-flicker shooting</td><td>• None (not supported)</td></tr>
<tr><td>Flicker auto detection in Live View</td><td>Supported
• Flicker detection is performed at specific times (such as camera start-up, or when reactivating the Menu screen/playback screen, etc.)
• Detection not available during viewfinder shooting, and when [Display frame rate set.: Smooth] is set</td></tr>
</table>

High-frequency anti-flicker shooting	*Extremely fine adjustments of shutter speed (user-set, or automatically applied) to limit banding and other effects of flickering light sources* • Detection frequency range: 50.0 ~ 2011.2 Hz • Available for still-image and video shooting (requires an exposure mode that allows user-set shutter speeds: M or Tv) Disable / Enable • When enabled — Menu options [Recommend Tv sett.] — (auto detection of flicker in scene illumination) [Manual setting] — user-set exact shutter speed, usually from 1/50.0 sec. to 1/8192.0 • Video recording range of user-set shutter speeds, at 179.8 / 150.0 / 119.9 / 100.0 FPS — 179.8 FPS: 1/180.0 ~ 1/8192.0 sec. 150.0 FPS: 1/150.6 ~ 1/8192.0 sec. 119.9 FPS: 1/120.3 ~ 1/8192.0 sec. 100.0 FPS: 1/100.0 ~ 1/8192.0 sec. • With S&F recording, range of shutter speeds depends on video FPS setting • When [Recommended Tv sett.] is set, adjustment after auto detection is enabled
ISO settings — still images	
User-set ISO range	**Still-image shooting:** Normal ISO speed — ISO 100 ~ 64,000 Expanded ISO speeds — L (= ISO 50); H (= ISO 102,400) • When [Highlight Tone Priority] is active, available user-set ISOs are 200~64,000 • Expanded ISO speeds not available with Highlight Tone Prioritiy, or when [HDR mode] or [HDR shooting (PQ): HDR PQ] is active
User-set limit ISO range (still-image shooting)	Available — ISO speed range (red shooting Menu) Minimum: L (ISO 50) or 100 ~ 51,200 Maximum: ISO 100 ~ H (= ISO 102,400) • Both minimum and maximum allowable ISO adjustable in 1-stop increments
Auto ISO range	Minimum and maximum possible ISOs can be set by user (in red Shooting Menu) Minimum: L (=ISO 50) ~ ISO 51,200 Maximum: ISO 200 ~ 64,000 (“H” expansion not available for Auto ISO) • Basic Zone (A+ mode) Auto ISO range — ISO 100 ~ 12,800 • SCN (Special Scene modes) — varies, depending upon SCN mode
Auto ISO minimum shutter speed limit	User-selectable in P or Av modes • Auto setting: Can be set in a range of ±3 stops, over or under “1/lens focal length” • Manual setting: User selects slowest shutter speed before Auto ISO raises ISO setting (avaliable slowest speed — 1/8000 sec. ~ 1 second, in 1-stop increments)
Customizable ISO speed pre-sets	Three user-selected ISOs can be registered, for rapid changes in user-set ISO during shooting (full-stop increments) • Default settnigs: ISO 200 / 400 / 800 • Available for still-image shooting in all Creative Zone modes (Fv, P, Tv, Av, M); in video recording when in Manual exposure mode only

ISO settings — movies

User-set ISO speeds — Manual exposure mode

	Custom Picture	ISO speed
Normal ISO speed	**Off** [1] [2]	ISO 100 ~ 25,600
	Canon 709 / PQ / HLG	ISO 400 ~ 25,600
	Canon Log 2 / Canon Log 3	ISO 800 ~ 25,600
	BT.709 Standard	ISO 160 ~ 25,600
Expanded ISO speed	**Off** [3] [4] [5] [6]	H (equivalent to ISO 32,000, 40,000, 51,200, 64,000, 102,400)
	Canon 709 / PQ / HLG [6]	L (equivalent to ISO 100, 125, 160, 200, 250, or 320) H (equivalent to ISO 32,000, 40,000, 51,200, 64,000, 102,400)
	Canon Log 2 / Canon Log 3 [6]	L (equivalent to ISO 100, 125, 160, 200, 250, 320, 400, 500, or 640) H (equivalent to ISO 32,000, 40,000, 51,200, 64,000, 102,400)
	BT.709 Standard [6]	L (equivalent to ISO 100 or 125) H (equivalent to ISO 32,000, 40,000, 51,200, 64,000, 102,400)

1: Lowest ISO speed starts at ISO 200 when Highlight Tone Priority is active

2: ISO speed range is ISO 400 ~ 12,800 when [HDR movie Mode: Enable] is set

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

4: Expanded ISO speeds not available when [HDR Movie Mode: Enable] is set

5: Expanded ISO speeds not available when Highlight Tone Priority is active

6: Expanded ISO speeds not available in RAW movie recording

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

User-adjustable available ISO range ***[ISO speed range]***	Minimum: ISO 100 ~ 25,600 Maximum: ISO 200 ~ 25,600, H (equivalent to ISO 51,200 / 102,400) • Adjustable in 1-stop increments

<table>
<tr><td>Auto ISO range — movies
(P, Tv, Av, C1~C3, S&F mode, Time-lapse movies, and M mode with Auto ISO set)</td><td>ISO speeds always set to Auto in P, Tv, Av, and during Time-lapse movies
<table><tr><th></th><th>Custom Picture</th><th>ISO speed</th></tr><tr><td rowspan="4">Normal ISO speed</td><td>Off [1] [2]</td><td>ISO 100 ~ 25,600</td></tr><tr><td>Canon 709 / PQ / HLG</td><td>ISO 400 ~ 25,600</td></tr><tr><td>Canon Log 2 / Canon Log 3</td><td>ISO 800 ~ 25,600</td></tr><tr><td>BT.709 Standard</td><td>ISO 160 ~ 25,600</td></tr><tr><td rowspan="4">Expanded ISO speed</td><td>Off [3] [4] [5] [6]</td><td rowspan="4">Equivalent to ISO 32,000, 40,000, 51,200, 64,000, 102,400[7]</td></tr><tr><td>Canon 709 / PQ / HLG</td></tr><tr><td>Canon Log 2 / Canon Log 3[6]</td></tr><tr><td>BT.709 Standard[6]</td></tr></table>
1: Lower end of ISO range starts at ISO 200 when Highlight Tone Prioritiy is active
2: Auto ISO range is ISO 400 ~ 12,800 when [HDR Movie Mode: Enable] is set
3: Expanded ISO speeds not available when [HDR PQ] is active
4: Expanded ISO speeds not available in HDR Movie mode
5: Expanded ISO speeds not available when Highlight Tone Priority is active
6: Expanded ISO speeds not available during RAW movie recording
7: Maximum ISO speed (during Auto ISO operation) corresponds to [Max for Auto] ISO setting</td></tr>
<tr><td>Max for Auto ISO
[Max for Auto]</td><td>ISO 6400 / 12,800 / 25,600 / H (equivalent to ISO 51,200 / 102,400)</td></tr>
<tr><td>Max Auto ISO (Time-lapse movies)</td><td>ISO 400 / 800 / 1600 / 3200 / 6400 / 12,800 / 25,600</td></tr>
<tr><td>Customizable ISO speed pre-sets (video)</td><td>Three user-applied preferred ISO settings can be registered (Manual [M] mode only)
• ISOs settable in 1-stop increments, for registering in ISO menu
• Set to ISO 200 / 400 / 800 at factory-default settings</td></tr>
<tr><td>Lmiit available ISO speed settings</td><td>Yes, via ISO speed range (red Shooting Menu)</td></tr>
<tr><td colspan="2">Exposure compensation / AEB</td></tr>
<tr><td>Exposure compensaton</td><td>±1/3 ~ 3 stops; 1/3- or 1/2-stop increments
• Available in Fv / P / Tv / Av shooting modes; will function in M (manual) mode</td></tr>
<tr><td>Auto Exposure Bracketing (AEB)
still images only</td><td>±1/3 ~ 3 stops; 1/3 or 1/2-stop increments
• Accessed via red Shooting Menu — Expo.comp/AEB; turn Quick Control Dial to set
• Available in all Creative Zone shooting modes, including Manual exposure
(Manual exposure mode — adjusted variable is shutter speed (ISO, in Auto ISO)
• Not available during movie recording</td></tr>
<tr><td>AE Lock</td><td>Automatic AE Lock
User-applied AE Lock</td></tr>
<tr><td>AE Lock after focus confirmation</td><td>Can be user-set (orange Custom Function menu — AE lock meter. mode after focus); user check-box for Evaluative, Partial, Spot, and/or Center-weighted metering</td></tr>
<tr><td colspan="2">Shutter (still-image shooting)</td></tr>
<tr><td>Type</td><td>Electronically-controlled focal plane shutter
When set to [Electronic shutter]: Rolling shutter, using CMOS image sensor</td></tr>
<tr><td>Shutter modes</td><td>Electronic shutter only (flash will not fire)</td></tr>
<tr><td>Shutter speed range</td><td>1/8000 ~ 30 seconds (no Bulb mode for still images)</td></tr>
<tr><td>Shutter durability</td><td>No rating given (no mechanical shutter in the camera body)</td></tr>
</table>

Silent shutter function	Disables all relevant settings at same time, to prevent sound or light from being emitted by camera during shooting **Beep:** Enable / Disable When set to [Enable], beep tones can be heard via connected, compatible headphones (electronic shutter release sounds, focus beeps, warnings, etc.) — sounds will not be emitted by camera itself, even if [Beep: Enable] has been set **AF-assist beam firing:** Disabled **Self-timer lamp:** Not emitted (self-timer remains available, without beep tone or lamp)
Shutter release time lag / shooting time lag	**Electronic shutter:** approx. 50ms • With shutter button held at half-depressed position, lag time is measured from when shutter button is fully depressed until shutter activates *Based upon Canon standard test methods.*
Shutter when camera turned off (sensor protection)	None (no shutter unit in camera body)
Shutter (movie recording)	
Type	Rolling shutter, using CMOS image sensor (mechanical shutter not used)
Shutter speed range (all movie exposure modes, except M)	1/8000 sec. ~ slowest available speed (based on FPS settings): 179.8 FPS — 1/200 sec. 150.0 FPS — 1/160 sec. 119.9 FPS — 1/125 sec. 100.0 FPS — 1/100 sec. 59.94 FPS — 1/60 sec.[1] 50.00 FPS — 1/50 sec.[2] 29.97 FPS — 1/30 sec. 25.00 / 24.00 / 23.98 FPS — 1/25 sec. *1: Movie auto exposure modes, with Movie auto slow shutter active — 1/30 sec.* *2: Movie auto exposure modes, with Movie auto slow shutter active — 1/25 sec.*
Shutter speed range — M mode (at all FPS recording speeds)	1/8000 sec ~ 1/8 sec. (Movie auto slow shutter not available in M mode)
Shutter speed range — S&F movies	1/8000 ~ 1 sec. (depends on shooting mode and video FPS rates)
Time lag before movie recording (approx.)	Approx. 0.4 sec.
Shutter button function for movies	Settable in green Customized controls, when camera set for video recording **Half-press:** Metering + Movie Servo AF (default setting) Metering + One-shot AF Metering only **Full press:** No function (default setting) Start/stop movie recording
Shutter at camera shut-down	None (no shutter unit)
Multiple-exposure shooting	
Still-image Multiple-exposures	None (not supported)
HDR shooting (stills and movies)	
HDR PQ shooting	Disable / HDR PQ • Available in red Shooting Menu, for still-images and video
Still photo HDR PQ	10-bit HEIF images (YCbCr 4:2:2; Rec. ITU-R BT-2100 (PQ)

Movie HDR PQ	Depends on movie recording format setting *Cannot be used with XF-AVC S YCC 420 8 bit* *Activated in red Shooting Menu — **HDR shooting (PQ)***
HDR mode (still images)	Off / On ***(red shooting menu > HDR Mode > On / Off)*** **On:** three source images taken, at user-defined bracketed exposures (standard exposure, under- and over-exposure) — Auto; ±1 EV; ±2 EV; ±3 EV; camera generates JPEG or HEIF finished image on memory card • RAW / C-RAW files can be used as orignina source images, but finished image(s) will be JPEG or HEIF (if HDR-PQ was active when shots taken) • Picture Style options limited to [Standard] and [Monochrome]; Color filter cannot be set • Can be combined with HDR shooting (HDR PQ), for wider dynamic range — up to approx. 3,000 nits *Moving subject HDR not supported*
Continuous HDR (HDR mode)	1 shot only / Continuously
Auto Image Align (HDR mode)	Enable / Disable
Saving source still images	All images / HDR images only
Composite (finished) HDR image, HDR mode	JPEG / HEIF • JPEG when original source images are JPEG; RAW (HDR PQ disabled); or RAW + JPEG / C-RAW + JPEG • HEIF when source images are HEIF; RAW (HDR PQ enabled); or RAW + HEIF / C-RAW + HEIF
Limitation of maximum brightness	Disable / 1000 nits • Requires HDR (PQ) to be active • When disabled, maximum brightness is approx. 3000 nits — 1 nit = 1 cd (candela)/m^2
HDR Movie Mode	HDR movie created from one single exposure, for each video frame. Reduces excessive highlght brightness. Effective even with moving subjects Disable / Enable Limit maximum brightness (when HDR PQ is active) — Disable / 1,000 nits (set in red shooting menu, when HDR movie mode is active) • Not available for RAW movies; at frame rates higher than 60.00 FPS; not available at 4K Fine at higher than 30.00 FPS • HDMI RAW output; when [1-Main / 2-Sub] is set; with Time-lapse recording or live streaming; with Open Gate recording; with Digital Zoom; in Basic Zone settings; during still-image shooting • ISO speeds 400 ~ 12,800; cannot be used with expanded ISO speeds • Cannot be combined with Custom Picture or Color Filter; Auto slow shutter; Clarity; Auto Lighting Optimizer; Highlight Tone Priority, or False Color
Movie HDR mode (SCN mode)	See SCN (Special Scene) movie modes
Image Stabilization	
In-body Image Stabilization (IBIS)	Provided (works in tandem with optical IS, in lenses so-equipped) On / Off • With IS lenses, activated by IS on-off switch on lens • With IS lenses with no external on/off switch, or non-IS lenses, activated in red Shooting Menu • IBIS and lens optical IS can be combined with Movie Digital IS, or Subject Tracking IS, during movie recording

Coordinated IS (RF / RF-S lenses with IS)	Combines stabilization from IBIS (camera body IS) and lens optical IS — always active with IS lenses, if IS is enabled (cannot be separated)
IS correction (number of stops)	Center — 7.5 stops Peripheral — 7.0 stops *CIPA standard (CIPA DC-011-2024), using RF24–105mm F2.8 L IS USM lens, at 105mm, using Electronic shutter — yaw, pitch and roll correction*
Image Stabilization with non-IS lenses (camera set for still images)	IS mode — On / Off Movie Digital IS — On / Off Still photo IS — Always / Only for shot • Only for shot: stabilization effect only occurs when shutter button fully depressed; no stabilization effect in viewfinder or LCD screen before or between shots
Peripheral coordinated control	**Still image shooting:** Peripheral control performed only during still image exposure — not performed in Panoramic Shot mode **Movie recording:** Performed automatically when camera, lens and camera settings are compatible with peripheral coordinated control • Requires IS mode: ON and Movie Digital IS: OFF • Peripheral coordinated IS not performed with RF16-28mm F2.8 IS STM lens during video recording (it will work for still images)
Movie Digital IS (5-axis digital stabilization)	5-axis digital Image Stabilization, moving the captured image on CMOS imaging sensor. Off / On / Enhanced (in red Shooting Menu) • 5-axis correction: Yaw / Pitch (angular shake); X / Y (shift shake); Roll • Can be activated or disabled separately from IBIS (when IS mode is set to ON); • Coordinated IS (with Movie Digital IS): IBIS + optical IS (in lens, if available) + Movie Digital IS • Some cropping will occur when Movie Digital IS is active
User input of lens focal length	Available when lens without focal length data transmission is attached; manually input by user for stabilization correction (IBIS and Movie digital IS) • Setting range 1 ~ 1,000mm
Subject tracking IS (video recording only)	Subject position is stabilized, using AF tracking info and subject detection info, to stabilize subject at position in the frame, during video recording Subject tracking IS: Off / On (in red Shooting Menu) Subject position: Screen center / Sel. position • Tracking frame appears as double-frame during subject selection; AF Area fixed at Whole-area AF • Cannot be combined with Movie Digital IS; Movie auto level; Open Gate recording; Digital zoom; RAW movies; HDMI RAW movies; Movies at 100.0 FPS or higher; S&F movies; Time-lapse movies; live streaming; or in Basic Zone modes • Not available in Manual focus (menu setting for Subject tracking IS remains available) • All Canon RF/RF-S lenses are compatible with Subject tracking IS; operation with cinema lenses is not ensured • Tilt correction is performed when [Subj. track. IS: On] is set
Panoramic shot stabilization support	Supported — in-body IBIS used for panning stabilization (possible with all lenses)
Panning assist stabilization support	None
Subject blur guide	None

Electronic Level (LCD screen)

Display range	Horizontal: 360° Vertical: 10° (top / bottom)
Electronic level precision	Tilt range: ⁻10° ~ ⁺10° — Horizontal: ±1° or less; Vertical — ±3° or less *Electronic level less accurate when camera is tilted more than 10° up or down*
Movie Auto Level	Uses roll correction from Movie digital IS to automatically correct tilt during movie recording, to keep horizon lines level • Available for horizontal or vertical video recording *Cannot be combined with RAW movies, Time-lapse movies; Movie Digital IS; or Subject tracking IS*

Drive mode (still images)

Available drive modes, approximate max. FPS speeds **(still-image shooting)**	**Single shooting** **High speed continuous +[1]** 40 FPS **High speed continuous[1]** 20 FPS (speed will decline if flicker detection active) **Low speed continuous[1]** 5.0 FPS • FPS rates for each continuous shoot mode cannot be user-adjusted *Lenses compatible with maximum High speed continuous+ shooting:* *– All RF lenses* *– Some EF-mount lenses (with mount adapter) —* ***see cam.start.canon > select camera model > supplemental information*** *Continuous shooting speed will decrease if flicker is detected in ambient lighting (regardless of whether [Anti-flicker shoot is enabled or disabled])* *1: All listed FPS rates require use of fully-charged Canon LP-E6P battery pack, shutter speed 1/250 or faster, RF lens at maximum aperture, at room temperature (73°F / 23°C).*
Self-timer operation (in Drive modes)	10-second / 2 second / Continuous • Continuous self-timer: 10-second delay; 2~10 shots continuously fired after 10-second count-down; User pre-sets 2~10 shots ***(INFO > set # of shots)***
Pre-continuous shooting	Records 20 shots (approx. 0.5 sec.) before shutter button is fully depressed • Disable / Enable (in red Shooting Menu); can be assigned to a Customized button • Drive mode always set to High-speed continuous + (other Drive modes not available) • Available after writing to card is completed, after shutter button is returned to either half-press or no user press • In Servo AF, full press of shutter button can be activated even if sharp focus is not confirmed • AEB; flash photography; anti-flicker shooting; focus bracketing; multiple exposure; HDR mode; and Digital Lens Optimizer (High) are not available • Not possible in Basic Zone shooting modes

Timer shooting

Bulb timer	None (no Bulb mode)
Interval timer	Available (red Shooting Menu) • Shooting interval — 1 sec ~ 99:59:59 • Number of shots — 1 ~ 9,999, or Unlimited (if Unlimited check-box is checked)
Movie self-timer	Available (2 sec. / 10 sec. delay)

LCD display — continuous shooting	
High-speed display	None (not supported)
Display fading / black-out	Allows smoother display of fast-moving subjects — captured images are faded, and black frames displayed between shots • High-speed continuus + / High-speed continuous — no black-out for 2nd and subsequent shots in a sequence • Always functions in Low-speed continuous shooting
Blackout-free display	None
Flash	
Built-in flash	None
Accessory shoe	Canon EOS multi-function shoe • 21-pin contacts for compatible digital microphones, and other accessories • No 5-pin (traditional) hot shoe contacts *Flash will not fire, even if it has 21-pin contacts on its accessory "foot"*
Speedlite compatibility	None (flash not supported — shutter is electronic only) A future firmware update will add flash compatibility.
Movie Playback	
Movie playback	**Playback:** Skip backward (approx. 1 sec.)[1] Previous frame[2] Playback Next frame[2] Skip forward (approx. 1 sec.)[1] Select playback position using touch control **Volume:** Off (0), plus [1] ~ [15] levels Volume of built-in speaker or headphones is adjustable When HDMI connected to external device: volume adjusted on the connected device's screen *1: Can be pressed and held to skip backward or forward by up to approx. 60 sec.* *2: Can be pressed and held for rewinding / fast forward*
VR preview	None (not supported)
Image processing after shooting — still images	
RAW image processing (in-camera)	Available (select images / select range of images) Dual Pixel RAW not supported (camera cannot shoot Dual Pixel RAW images)
RAW image processing settings	Process to JPEG / Process to HEIF Available in-camera RAW processing settings: Brightness adjustment White Balance (including AWB Ambience / White Priority) PIcture Style Clarity (not available for processing to HEIF) Auto Lighting Optimizer (also available if Highlight Tone Priority is active) High ISO speed Noise Reduction Image quality Lens aberration correction[1] *1: Peripheral Illumination correction; Distortion correction; Digital Lens Optimizer; Chromatic aberration correction; and Diffraction correction available*
Cloud RAW image processing	None (not supported)
RAW image processing — RAW burst files	None (no RAW burst mode)

HEIF to JPEG conversion	Select images / Select range • Up to 999 images can be converted at once
Cropping	Available: • Cropping frame: Magnify / reduce; Move • Tilt correction (±10°, in 0.1° increments using a dial, or 0.5° increments using touch) • Aspect ratio: 3:2; 16:9; 4:3; 1:1; 2:3; 9:16; or 3:4
JPEG / HEIF image resizing	Available for JPEG / HEIF images (M, S1, or S2 can be selected)
Playback creative filters	None
Creative assist	Available, from RAW or C-RAW images • Preset: Auto1 / Auto2 / Auto3 / Vivid / Soft / Warm / Cool / Green / Shine / Lime / Peach / B&W / Blue / Purple / Normal • 3 effects can be registered for future use (Auto1 / Auto2 / Auto3) Image creation effects (in-camera): Brightness; Contrast; Saturation; Blue–Amber Color Tone 1; Magenta–Green Color Tone 2; Monochrome (includes B&W; Sepia; Blue; Purple; and Green toning)
Red-eye correction	None
In-camera upscaling	None
In-camera processing — movies	
Movie editing	Movies shot with an EOS R6 V can be edited in-camera: • Cut beginning / Cut end / Play / Save ([Save compressed version] and [Overwrite] are not available)
Frame grab	Individual frames from 4K video files can be saved as still images (JPEG or HEIF) From 4K DCI — Approx. 8.8MP (4096 x 2160) From 4K UHD — Approx. 8.3MP (3840 x 2160) • JPEG still images from normal movies, and HEIF images from HDR (PQ) movies • Not available from RAW or Open Gate movies, or from movies with [Custom Picture] active
Audio features	
Voice memos	None
Beep	Enable / Disable
Volume	Shutter volume — 0 (silent) ~ 5 Focused beep — 0 (silent) ~ 5 Touch sounds — 0 (silent) ~ 5 Self-timer volume — 0 (silent) ~ 5 Beep per Time-lapse video frame taken — 0 (silent) ~ 5 • If [Beep: Disable] is set, volume cannot be adjusted (all will be silent) • No beeps during movie recording, when subjects are in focus • [Silent shutter function: On] — Shutter volume and [Focused beep] can be configured; audio is played through headphones only
Speakers	Built-in monaural speaker — playback volume 0 (silent) ~ 15
Headphones	Volume adjustable: 0 (silent) ~ 15

Optical zoom operation

Zoom lever (on camera)	Functions: **Still-image recording** — lens optical zooming[1] **Movie recording** — lens optical zooming[1] [2] / digital zooming[3] **Image playback** — magnify/reduce images during playback; switch between single image and index display **Menu screen display** — main tab navigation *1: With lenses having power zoom function, or lenses with attached Power Zoom Adapter* *2: Lens optical zoom not available when [Digital zoom: ON] is set* *3: When [Digital zoom: ON] is set* • Optical zoom speed can be set — see below
Supported lenses ***(Power Zoom lenses, or with optional Power Zoom adapater attached to lens)***	Power zooming possible with RF / RF-S Power Zoom lenses, or with compatible RF lens when optional Canon Power Zoom Adapter is attached
Optical zoom speed setting	Green customized controls when shooting Menu: ***Camera / remote optical zoom speed > Standby / Recording*** • Separate adjustments for zoom speed during standby and during recording • Speed level for each adjustable for slight lever movement, and greater zoom lever movement (two steps) • Each adjustable over range of 1 (slow) ~ 15 (maximum zoom speed) • Power zoom lenses must be set for power zoom to be active Still image shooting: zoom speed adjustable for standby only (separate adjustments for slight zoom lever movement, and greater movement)

Quick Control function (stills and movies)

Description	On-screen touch buttons for major setting adjustments, by pressing [Q] button or tapping [Q] icon on LCD screen
Quick Control screen display	[Q] 1 / [Q] 2 / [Q] 3 for Quick Control screen can be set for movie recording
Feature guide	Enable / Disable Displays a brief description of functions and setting items on Quick Control screen
Quick Control customization	Available — customize items shown on Quick Control Screen (up to 11 items possible) Edit layout / Reset settings / Clear all items • Separate Quick Control screens for still shooting and video possible • Can also be accessed by pressing and holding [Q] button, while Quick Control screen is displayed *Only [Q] 2 screen can be customized during movie recording*

Menu functions

Menus displayed	Shooting / AF / Playback / Communication functions / Function settings / Customize controls / Custom Functions / My Menu • Scroll through main Menu categories by turning Quick Control Dial 2 (top of camera) moving power zoom lever, or by pressing [Q] button when Menu is displayed
Display languages	29 languages available (user-selectable, in yellow Set-up Menu)
Help	Available (for select Menu items; press INFO button when Menu provides prompts)

Firmware updates	
Firmware updates possible using camera	Available (downgrading to an earlier firmware version not possible), for the following • Camera firmware; Lens firmware; Mount adapter firmware; Power Zoom Adapter firmware; External Speedlite firmware; Bluetooth remote control firmware; Battery Grip firmware; Firmware for accessories connected to Multi-function shoe
Relevant applications	• Via CFexpress or SD card, with firmware file copied onto card • Via Canon Camera Connect app or EOS Utility software (Mac™ / Windows™)
Manual / software URL	QR code available on LCD screen, for access to manual / software website ***(yellow Set-up Menu > Manual / software URL)***
Print order (DPOF)	
System; DPOF compatibility	DPOF Version 1.1 (PictBrige not available)
Specifying images	Select images — available *(RAW, C-RAW, HEIF images, and moves cannot be selected)* Select multiple — Select range / Mark all in folder / Mark all on card / Mark all found images (only during image search)
Print type	Standard / Index[1] / Both *1: Index: date and file number cannot both be set to ON simultaneously*
Date	On / Off
File number	On / Off
Photobook set-up	None
Direct image transfer (via USB, with Canon EOS Utility software)	
Compatible computers	Macintosh™ or Windows™ computers with camera-compatible version of Canon EOS Utility software installed
Image selection / transfer	Select image / Select range / Select source folders (all images in folder) / All images (all images on card) / All found images (only during image search)
Transferrable images	JPEG / HEIF / RAW / C-RAW; and movies
Set up direct transfer	RAW + JPEG transfer — JPEG only / RAW only / RAW+JPEG RAW + HEIF transfer — HEIF only / RAW only / RAW+HEIF
Maximum number of transfer images	9,999 or more (maximum 9,999 can be displayed)
Customization: Custom Functions (orange Custom Functions menu)	
C.Fn 1: Exposure	Exposure level increments *(1/3 stop / 1/2 stop)* ISO speed setting increments (*1/3 stop / 1/2 stop)* Speed from metering / ISO Auto (*Restore Auto after metering / Retain speed after metering)* Bracketing auto cancel Bracketing sequence Number of bracketed shots *(3; 2; 5; 7)*
C.Fn 2: Exposure	Safety shift[1] *(disable / Shutter speed + Aperture / ISO speed)* Same exposure for new aperture[1] *(disable / ISO speed / ISO + shutter speed / Shutter speed)* AE lock metering after focus[1] *(user selects metering modes by checking check-box)* Set shutter speed range Set aperture range

C.Fn 3: Various settings / Reset	Add cropping information[1] *(6:6 / 3:4 / 4:5 / 6:7 / 10:12 / 5:7 — available for still images only)* Default Erase operation *([Cancel] selected / [Erase] selected / [Erase RAW] selected / [Erase non-RAW] selected)* Shutter release without lens *(Disable / Enable)* Retract lens on power off *(Enable / Disable)* Add IPTC information[1] *(Disable / Enable)* *1: Not available for video operation*
My Menu (green Menu section, with star icon)	
My Menu function	Copy user-selected items from any other Menu screen, and add them to My Menu for rapid access from one Menu location • Up to six items can be added to each My Menu screen • Up to five My Menu tabbed screens can be added (up to 30 total Menu items)
Customized controls	
Custom shooting mode (C1–C3)	Available (user can register current camera settings to C1, C2, or C3 shooting modes, for immediate recall — up to 11 items available) • Auto update can be Enabled or Disabled • Separate C1 ~ C3 settings can be saved for still-image and video use • Only [Q] 2 screen can be customized during movie recording
Customized controls when shooting	Separate customization of buttons, and for dials / rings, available for stills and movies
Customize buttons — Power Zoom Adapter PZ-E2 / PZ-E2B	Available (requires customizing two compatible buttons — one for [Zoom tele], and one for [Zoom wide])
Register focus preset on-camera	Available (requires customizing two compatible buttons — one for [Register focus preset], and one for [Playback focus preset])
Customizable buttons for playback	Available (green Customize buttons when shooting Menu — ***Customize buttons for playback)***
Multi-function lock	Available (green Customize buttons when shooting Menu)
Customize displays	
Customizing info during shooting — LCD screen	Available for the following views: • View 1: Live View + Basic shooting info + On-screen buttons View 2: Live View + Basic shoot info + Detailed shoot info + On-screen buttons View 3: LV + Basic shoot info + Detailed shoot info + On-screen buttons + Histogram / Waveform monitor + Electronic level
Customizing playback info — LCD screen	Press INFO button to toggle through available displays
Save settings / Reset camera	
Save / load settings on card	***Save / load camera settings on card*** (yellow Set-up Menu) • Up to 10 camera settings files can be saved to a card • File renaming is possible • Uploading requires saved settings from this exact camera model only
Reset individual settings	Available (yellow Set-up Menu — ***Reset camera > Reset individual settings)*** • Basic settings • Individual settings: Customize Quick Controls; Shooting info display; Root certificate; Communication settings; Custom shooting modes (C1 ~ C3); Copyright information; Customized controls; Custom Functions (C.Fn); My Menu
Factory reset	Available (yellow Set-up Menu — ***Reset camera > Factory reset***

External interface	
USB terminal	USB-C (equivalent to USB 10 Gbps (SuperSpeed Plus USB / USB 3.2 Gen 2) • For computer / smartphone communication; USB battery charging; camera power supply
Ethernet terminal	None
System extension terminal	None
HDMI out terminal	HDMI (Type A) • Resolution switches automatically • Requires [NTSC] or [PAL] be set correctly for connected TV / monitor video system *HDMI CEC (Consumer Electronics Control) not supported*
External microphone IN terminal	3.5mm diameter stereo mini jack (3-pin)
Headphone terminal	3.5mm diameter stereo mini jack
Remote control terminal	Canon E3 type terminal (single-pin connector into camera) • Optional Canon RA-E3 Remote Controller Adapter allows use of Canon 3-pin (N3-type) wired accessories
Wireless remote control	Possible, with optional accessory Wireless Remote Control BR-E1 or BR-E2 • Not compatible with Canon RC-1, RC-5 and RC-6 infrared remote controllers
Flash sync terminal	None
Multi-function shoe	Provided (compatible with specific Canon-brand shoe-mount digital accessories) • No 5-pin hot shoe contacts • Traditional hot shoe design, for attaching non-dedicated accessories
Date / Time / Zone	
Available time zones (world time)	Available (yellow Set-up Menu — ***Date / Time / Zone***)
Daylight savings time	Off / On
Time difference setting	Available
Date / time back-up battery	Built-in secondary battery (internal; automatic recharging when charged primary battery pack is installed in-camera) • Stores date & time for approx 3 months, if no main battery pack installed in-camera (after 8 hours of initial charging)
Copyright information	
Adding copyright information	Author / Copyright holder can be set in-camera, and is added to image EXIF info ***(yellow Set-up Menu > Copyright information)***
Adding IPTC information	Supported (International Press Telecommunications Council [IPTC] info from Canon EOS Utility or Content Transfer Professional software can be registered in-camera) • IPTC and EXIF information applied as independent values • Only the presence of IPTC info in an image is displayed during playback in-camera; details of IPTC info cannot be confirmed

Power source	
Battery	(one) Canon LP-E6P (rechargable battery pack) *LP-E6 battery pack cannot be used* *LP-E6N and LP-E6NH batteries can be used, but camera functions will be restricted:* *- Some accessories (XLR mic adapter, etc.) cannot be used* *- Wi-Fi settings not available* *- Cooling fan settings cannot be set* *- Remaining battery percentage of charge not displayed in camera Menu*
Battery check	6-level display when power switched ON; can be checked in viewfinder or LCD screen
Battery level	Displayed in 6 steps (EVF or LCD screen); or in 1% increments of remaining power ***(yellow Set-up Menu > Battery info.)***
Battery information	Power supply — Type (including battery model) Remaining capacity — in 1% increments (LP-E6P only), plus 6-level display icon Shutter count — displayed (shutter firings using current battery pack) Battery registrations — up to 6 available Recharge performance — indicated by 3-step icon (indicates battery's approximate abilitiy to be fully recharged from depleted state)
Battery charger	Canon LC-E6 (provided with camera; charges one LP-E6-type battery at a time)
USB battery charging / USB power to camera	Canon USB Power Adapter PD-E2 or PD-E1 recommended (other USB power supplies cannot be guaranteed for proper operation) **USB battery charging:** • Requires an authenticated battery pack in-camera (USB charging otherwise not supported); • Battery may not be charged unless remaining battery level is low • Supplying power over USB while using AC adapter (DC Coupler DR-E6P) not possible — USB Power Adapter PD-E2 recommended for power to camera • Charging temperature range — 41 ~ 104°F (5 ~ 40°C) **USB power to camera:** • Requires a battery be installed in-camera; remaining battery level may decrease, depending on camera operating conditions • Switches to charging installed battery when camera main power turned off
Charge level display	Charging in progress — Access lamp lit in green Charging finished — Access lamp off Charging error — Access lamp blinks in green
AC power source	Canon DC Coupler DR-E6P and USB Power Adapter PD-E2 *Combination of DR-E6P and PD-E1 cannot be used* *DR-E6 cannot be used* *AC Adapter Kit ACK-E6 cannot be used*

Number of shots available

Shooting method	Temperature	Available shots (approx.)	
		Power saving[1]	Smooth[2]
LCD screen shooting	73°F / 23°C	640	510

1: Based on CIPA standards

2: According to Canon measurement conditions, based on CIPA test standards

- Using new, fully-charged Canon LP-E6P battery pack
- Cooling fan set to OFF
- Number of shots may vary greatly, depending on shooting and viewind conditions
- Since camera supplies power to compatible accessories attached to Multi-function shoe, fewer shots may be available
- Fewer shots will be available if previous Canon LP-E6N or LP-E6NH batteries used
- Using two Canon LP-E6P battery packs in accessory Canon Battery Grip BG-E20 approximately doubles number of shots available

Available movie recording time (using fully-charged LP-E6P battery)

Available operating time — movie recording

		Temperature	Available operating time
RAW	**Light RAW 59.94 fps / 50.00 fps**	73°F / 23°C	Approx. 1 hr. 10 min.[2]
		32°F / 0°C	Approx. 1 hr. 00 min.[1]
4K DCI Fine	**Standard LGOP 59.94 fps / 50.00 fps**	73°F / 23°C	Approx. 1 hr. 10 min.[2]
		32°F / 0°C	Approx. 1 hr. 00 min.[1]
Full HD	**Standard LGOP 29.97 / 25.00 fps**	73°F / 23°C	Approx. 2 hr. 50 min.[2]
		32°F / 0°C	Approx. 2 hr. 40 min.[1]
4K DCI	***Movie playback time*** **Standard LGOP 59.94 fps / 50.00 fps**	73°F / 23°C	Approx. 3 hr. 50 min.[1]

1: With cooling fan set to OFF

2: Cooling fan ON, and fan rotation speed set to LOW

Time available for Live View shooting

Approx. 4 hr. 20 min. (at 73°F / 23°C) (with cooling fan set to OFF)

Time available for bulb exposure

None (Bulb exposure not available)

Main power switch

On top plate of camera, next to Mode Dial — Off / On

Start-up time (approx.)

Approx. 0.9 sec. (CIPA-compliant test results), with Password request OFF

Power Saving

Feature	Time options
Screen dimmer[1]	5 sec. / 10 sec. 15 sec. / 20 sec. / 25 sec. / 30 sec. / Disable
Screen off	5 sec. / 15 sec. / 30 sec. / 1 min. / 3 min. / 5 min. / 10 min. / 30 min. / Disable
Auto power off	15 sec. / 30 sec. / 1 min. / 3 min. / 5 min. / 10 min. / 30 min. / Disable

1: If camera remains idle until specified time elapses, screen is dimmed and lower video frame rates are used

If a network error occurs during image transfer, in some cases Auto power off time may be extended, due to automatic attempt to transfer the images once again.

ECO mode

None

Overheat warning

Thermometer icon, and 10-stage analog scale to indicate rising internal temperatures

Hand-held shooting: Low-temperature burn warning

Icon with temperature and hand graphics appears, alerting user to possibility of low temperature burns or discomfort, during hand-held operation

Auto power off temperature	Standard / High • When [High] is set, memory cards can become very hot, so caution is advised. Canon suggests tripod operation during [High] operation to avoid problems of rising external body temperatures during hand-held use. • Can be set for still images and video operation
Shutdown warning guidance (high internal temperature)	Guidance appears on-screen: "...camera may turn off suddenly, in case of rising internal temperatures." Off / On
Standby: low resolution (during video operation only)	Off / On (in red Shooting Menu, during video operation — **Standby: Low res.)** • Temporarily changes display frame rate and image quality during video recording standby, to conserve battery power and offer more recording time
Authentication	
Certification logo display	Available (yellow Set-up Menu — **Certification Logo Display)**
Camera body	
Chassis material	Primary magnesium alloy; partially aluminum alloy
Exterior material	Primarily magnesium alloy and polycarbonate resin with glass fiber
Exterior color	Black
Tripod socket (horizontal & vertical)	1/4-20 (ISO 1222)
Hand strap mount	Compatible with accessory Canon Hand Strap E2
Operating environment	Temperature — 32 ~ 104°F / 0 ~ 40°C Relative humidity — 85% or less
Dimensions and weight	
Dimensions (W x H x D)	5.58 x 3.28 x 3.14 in. (141.8 x 83.3 x 79.7mm)
Weight	Body with battery and one card — Approx. 24.27 oz. / 1.52 lbs. / 688g Body only — Approx. 21.09 oz. / 1.32 lbs. / 598g
Accessories	
Multi-function shoe cover	Shoe cover ER-SC2 (provided) — slide-on type cover (no lock button)
Multi-function shoe adapter AD-E1	Yes — provides dust- and weather-resistant coverage for Multi-function shoe electrical contacts. Strongly recommended for tnon-dedicated shoe-mount accessories (speedlites and flash units cannot be used)
External flash	None (not compatible — electronic shutter only)
Battery grip (accessory)	None (not compatible)
Wired LAN accessories	None
Wireless LAN accessories	None
Cooling fan	None (cooling fan built into camera body)
GPS accessories (optional)	Canon GPS Receiver GP-E2 • Requires Multi-function Shoe Adapter AD-E1 • Digital compass not supported; cannot be connected via interface cable
External microphone — wired connection to mic terminal	Canon Directional Stereo Microphone DM-E1 Canon Stereo Microphone DM-E100
External microphone — wireless via Multi-function shoe	Multi-function Shoe Directional Stereo Microphone DM-E1D
Remote control — wired	Canon Remote Switch RS-60E3 Canon Timer Remote Controller TC-80N3 *(requires optional Canon Remote Controller Adapter RA-E3)*

Remote control — wireless	Bluetooth — Canon Remote Control BR-E1 Smartphone — via Canon Connect app (with compatible iOS™ or Android™ phone, connected to camera via Bluetooth)
Viewfinder accessories	None (no eye-level viewfinder)
Battery pack	Canon LP-E6P • Canon LP-E6N and LP-E6NH batteries can be used, with limited power and functions • Canon LP-E6 battery pack cannot be used
Battery charger	Canon LC-E6 / LC-E6E (supplied with camera) Canon Car Battery Charger CBC-E6 (optional accessory)
AC power source (accessories)	Canon DC Coupler DR-E6P and USB Power Adapter PD-E2 • DR-E6P and PD-E1 cannot be combined • DR-E6 cannot be used; AC Adapter Kit ACK-E6 cannot be used
USB power source	Canon USB Power Adapter PD-E2 / PD-E1
USB interface cables	Canon Interface Cable IFC-100U *(approx. 3 feet / 1m length; USB speed = USB 5 Gbps [SuperSpeed USB / USB 3.2 Gen 1], when connected to camera)* Canon Interface Cable IFC-400U *(approx. 13.1 feet / 4m length; USB speed = 480 Mbps [Hi-speed USB / USB 2.0])*
HDMI cables (video / audio)	No genuine Canon-brand cables available • Canon HDMI Cable HTC-100 not compatible, because it has HDMI type C terminal
Smartphone link	Via accessory Canon Smartphone Link Adapter AD-P1
Tripod grip	Accessory Canon Tripod Grips HG-100TBR and HG-200TBR • Note: HG-100TBR / HG200TBR maximum weight capacity (including body and lens) should not exceed 35.3 oz. / 2.2 lbs. / 1 kg. • Some lenses may block sound in shooting environment from external microphones, which may prevent sound from being picked up correctly
Protecting cloth	Protecting Cloth PC-E1 / PC-E2
Strap	Provided with camera • Optional Canon Hand Strap E2
Cable protector	None
Rain cover	Canon Rain cover ERC-R5L / ERC-R5S
Support for EU RED (European Union Radio Equipment Directive regulations)	
Start-up password	6-digit password (set by user) required first time camera turned on, or when [Clear Entered Information] is performed in-camera • Selecting [Reset] on password entry screen perfoms [Clear Entered Information] • Camera locks after 10 failed password entry attempts; turn power switch off and back on, or wait approx. 10 minutes, to resume entering • Password can be changed at any time by user
Manage password	**Password request:** On / Off (current password must be entered to switch) **Change password:** current password must be entered to change to new password **Clear entered information:** with password set disabled, camera is initialized to original factory settings

<table>
<tr><td>Restrictions</td><td>Bluetooth, Wi-Fi and USB connectivity disabled while [Password request] screen is displayed
When [Password request: On] is selected, the following are restricted:
- Image transfer to smartphone via Bluetooth, while camera is turned off
- Recovering from Auto Power Off by Bluetooth Remote Control
- Automatic image transfer to image.canon [when charging battery (high power)]
- Bluetooth function while power switch is off, or while Auto Power Off is in progress
• [Password request: Off] is required to use the above function</td></tr>
<tr><td>Show log</td><td>Up to 100 event logs can be checked
• Event logs are cleared, starting with oldest as new event logs are added
• Event logs stored when camera turned off, and are appended to previous log when power is turned on
• Event logs are initialized (reset) when [Clear entered information] or [Factory reset] are performed</td></tr>
<tr><td>Firmware updates,
when connected to internet</td><td>Supported
• Card must be loaded in-camera
• When connecting to internet with communication features (such as [Upload to image.canon] or [Connect to smartphone] active, external server is checked to see if it has newer version of camera firmware</td></tr>
<tr><td colspan="2">Wireless communication functions</td></tr>
<tr><td>Wi-Fi (Wireless LAN) operation</td><td>5.0 GHz band / 2.4 GHz band
• FTP transfer
EOS Utility
Image.canon
Camera Connect
Content Transfer Professional
Camera Control API</td></tr>
<tr><td>Supported Wi-Fi standards</td><td>
<table>
<tr><th rowspan="2">Wi-Fi standards (equivalent)</th><th rowspan="2">Transmission method</th><th colspan="2">Maximum link speed</th></tr>
<tr><th>5 GHz band</th><th>2.4 GHz band</th></tr>
<tr><td>IEEE 802.11ac</td><td rowspan="4">OFDM modulation (CSMA / CA)</td><td>433 Mbps</td><td></td></tr>
<tr><td>IEEE 802.11n</td><td>150 Mbps</td><td>72 Mbps</td></tr>
<tr><td>IEEE 802.11a</td><td>54 Mbps</td><td></td></tr>
<tr><td>IEEE 802.11g</td><td></td><td>54 Mbps</td></tr>
<tr><td>IEEE 802.11b</td><td>DSSS modulation</td><td></td><td>11 Mbps</td></tr>
</table>
Not compatible with MIMO (Multiple-input and multiple-output)</td></tr>
<tr><td>Transmission frequency
(center frequency)</td><td>2.4 GHz band:
2412 to 2462 MHz; 1 to 11 channels
5.0 GHz band:
5180 to 5825 MHz; 36 to 165 channels
Specifications vary by country/region</td></tr>
<tr><td>Wireless LAN setting method</td><td>Connect via wizard
Connect via Wi-Fi Protected Setup</td></tr>
<tr><td>Wi-Fi connection during Bluetooth</td><td>Automatic switching to Wi-Fi when function is started on Camera Connect app that requires stronger Wi-Fi connection, such as browsing images on-camera, or remote shooting</td></tr>
<tr><td>Bluetooth — standards compliance</td><td>Bluetooth Specification Version 5.1 compliant</td></tr>
<tr><td>Bluetooth transmission method</td><td>GFSK modulation</td></tr>
<tr><td>Bluetooth communication functions</td><td>Canon Camera Connect app
Canon BR-E1 remote controller</td></tr>
</table>

Bluetooth pairing	Smartphone — up to 10 units BR-E1 (and other) Bluetooth remote controllers — 1 unit
Bluetooth operation when camera OFF	Power switch set to OFF: Bluetooth communication still possible (only to smartphone) Auto Power Off: Bluetooth communication still possible to smartphone
USB communication functons	Canon EOS Utility (software) Canon Camera Connect app Content Transfer Professional software USB (UVC/UAC) connection streaming
Choosing app for USB connection	**Photo import / Remote control:** EOS Utility or other computer applications / Android apps / iPhone Photos app **UVC/UAC streaming:** Applications that communicate over USB with camera for video and audio **Canon app(s) for iPhone:** Other than above (such as Camera Connect)
HDMI streaming	Possible — connect HDMI cable from camera to compatible computer
Wired LAN	None
Communication functions	FTP transfer EOS Utility (Wireless LAN / USB) Image.canon (upload images to web service) Camera Connect (wireless LAN / Bluetooth / USB) Content Transfer Professional software (wireless LAN / USB) Wireless Remote Control (Bluetooth) Camera Control API (wireless LAN) GPS device settings (images can be geotagged via Bluetooth-connected smartphone)
Live streaming	
USB (UVC/UAC) connection streaming (via USB)	Possible when camera connected to compatible computers, via USB cord, using software on the computer • Power can be supplied from computer during USB streaming (USB Power Delivery supported; requires a power supply capability of 5 V / 1.5 A or greater) • Live streaming not available during still-image shooting, and S&F movie recording • Only P / M / Smooth skin movie modes can be set during Live streaming
Live streaming data formats	**Video:** Compression method — Motion JPEG; Color sampling — YCC422; Bit depth — 8 bits; Custom Picture — supported; Recording range: Full range *Camera control from applications not supported* **Resolution / Frame rate:** 4K 30 FPS; 4K 60 FPS (not available in Smooth skin movie mode) Full HD 60 FPS; Full HD 30 fps *60 or 30 FPS, regardless of NTSC / PAL settings* **Audio**: USB Audio Class (UAC) supported LPCM 48 kHz / 16 bit / 2CH (4 channel input not supported) External microphone (Multi-function shoe input / microphone IN terminal) / built-in microphone — supported *Microphones recognized by camera in priority order: External microphone (includes external IN terminal), and built-in microphone*
Compatible OS	Windows™ / Macintosh™ supported • Compatible version depends on application used with camera; iOS / Android not supported