Canon
SEE IMPOSSIBLE

EOS-1D X Mark III

Specifications

<table>
<tr><th colspan="2">Type</th></tr>
<tr><td>Type</td><td>Digital, AF/AE single-lens reflex camera</td></tr>
<tr><td>Image Processor</td><td>DIGIC X</td></tr>
<tr><td>Recording Media</td><td>CFexpress cards, Type B
• Dual CFexpress card slots*
• XQD, CFast, CF and SD cards not supported
* With firmware v1.9.0 and above, camera can accept CFexpress cards over 2TB in capacity. With these cards, the camera can write to the first 2TB (only) of total card capacity.
<table>
<tr><th>Specifications</th><th>CFexpress 1.0</th><th>CFast 2.0</th></tr>
<tr><td>Maximum transfer speed</td><td>1.97 GB/s</td><td>600 MB/s</td></tr>
</table>
CFexpress cards provide significantly faster read/write speeds than CFast or CF cards, supporting extensive still-image burst rates, and RAW video recording.
* Canon is an authorized licensee of the CFast 2.0™ trademark, which may be registered in various jurisdictions.</td></tr>
<tr><td>Image Format</td><td>Approx. 36mm x 24mm (35mm Full-frame)</td></tr>
<tr><td>Lens Mount</td><td>Canon EF Mount</td></tr>
<tr><td>Compatible Lenses</td><td>Canon EF Lenses (excluding EF-S and EF-M lenses)</td></tr>
<tr><th colspan="2">Image Sensor</th></tr>
<tr><td>Type</td><td>High-sensitivity, high-resolution, large single-plate full-frame CMOS sensor</td></tr>
<tr><td>Effective Pixels</td><td>Approx. 20.1 megapixels</td></tr>
<tr><td>Total Pixels</td><td>Approx. 21.4 megapixels</td></tr>
<tr><td>Aspect Ratio</td><td>3:2 (Horizontal: Vertical)</td></tr>
<tr><td>Color Filter System</td><td>RGB primary color filters</td></tr>
<tr><td>Low Pass Filter</td><td>High Detail Low Pass Filter, breaking one incoming light ray into 16 rays at image sensor</td></tr>
<tr><td>Dust Removal Feature</td><td>(1) Self Cleaning Sensor Unit
• Self-cleaning can be done automatically when the power is turned on/off.
• During manual cleaning ([Clean now]), the data for light spot correction is also obtained.
(2) Dust Delete Data acquisition and appending
• The coordinates of the dust adhering to the low-pass filter are detected by a test shot and appended to subsequent images.
• The dust coordinate data appended to the image is used by the EOS software to automatically erase the dust spots.
(3) Manual cleaning</td></tr>
</table>

Recording System

Recording Format

Design Rule for Camera File System 2.0 and EXIF 2.31*
* Supports time difference information

Image Format

Image type		Extension
Stills	JPEG	JPG
	HEIF	HIF
	RAW	CR3
	C-RAW	
Movies	ALL-I, IPB	MP4
	RAW	CRM

Recording Pixels

JPEG (8bit), HEIF (10 bit), RAW (14 bit, Canon original)

Image quality		Resolution (Pixels)
JPEG	L	Approx. 20.0 megapixels (5472 x 3648)
	M1	Approx. 12.7 megapixels (4368 x 2912)
	M2	Approx. 8.9 megapixels (3648 x 2432)
	S	Approx. 5.0 megapixels (2736 x 1824)
HEIF	L	Approx. 20 megapixels (5472 x 3648)
RAW	RAW / C-RAW	

Backup Recording

N/A

File Numbering

The following three types of file numbers can be set:
(1) Continuous numbering
- The numbering of captured images continues even after you replace the card.

(2) Auto reset
- When you replace the card, the numbering will be reset to start from 0001. If the new card already contains images, the numbering will continue from the last recorded image in the card.

(3) Manual reset
- Resets the file number to 0001, and creates a new folder automatically.

RAW + JPEG/HEIF Simultaneous Recording

Simultaneous recording of any combination of RAW/C-RAW and JPEG or HEIF image-recording quality is supported.

Color Space

sRGB, Adobe RGB

Picture Style

Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined 1–3*
* [Standard] is the default setting for [User Def. 1–3]

White Balance

Settings

Auto (Ambience priority/White priority), Daylight, Shade, Cloudy*1, Tungsten Light, White Fluorescent Light, Flash (Auto Setting)*2, Custom (Custom WB) 1–5*3, Color Temperature

*1 Also effective in twilight and sunset.
*2 With an EX or EL-series Speedlite having the color temperature information transmission feature, the color temperature setting changes to match the color temperature when the flash is fired. Set to approx. 6000K if the flash unit does not have the color temperature communication feature.
*3 [Select image on card], [Record and register WB], and [Edit WB name] are supported. HEIF image cannot be selected.

Auto White Balance

Option between ambience priority and white priority settings

Color Temperature Compensation

Blue/amber bias: ±9 levels
Magenta/green bias: ±9 levels
Corrected in reference to the current WB mode's color temperature.

Color Temperature Information Transmission

Provided

Viewfinder

Type	Eye-level SLR type, with pentaprism
Coverage	Approx. 100% vertically and horizontally
Magnification	Approx. 0.76x (-1m^{-1} with 50mm lens at infinity) / 35.1° angle of view
AF Point Display	Illuminated red dot-matrix display
Cropping Information Display	Displays reference lines in the Viewfinder only during (1:1) cropping when set to 6:6.
Eye Point	Approx. 20mm (at -1m^{-1} from eyepiece lens center)
Dioptric Adjustment Correction	–3.0 to +1.0 m^{-1} (diopter)
Focusing Screen	Fixed
Mirror	Quick-return half mirror
Time Display	Provided * Time of day displayed in shutter speed/aperture area in viewfinder, when ISO button is pressed, during viewfinder shooting stand-by
Viewfinder Information	**AF displays, with red dot-matrix illumination:** 191 AF points; active AF Area; Zone AF brackets; Automatic AF point select brackets **Exposure Displays:** Manual mode icon; AE Lock icon; Flash ready icon; FEL icon; Shutter speed; Aperture; Exposure compensation scale; Frames remaining on card; ISO; Highlight Tone Priority (D+) active; AF confirmation icon; AI Servo AF active arrows **Right side display:** +/- 3-stop metering scale; Flash Exposure Compensation/FEL/Flash Metered Manual scale; Frames remaining in burst (0~99); JPEG/RAW icons; Battery level icon **Displayed on focus screen, via LCD overlay:** Spot metering circle; Electronic level display; Grid lines; Shooting mode; Metering mode; White Balance setting; Drive mode; AF Operation; Flicker Detection icon; Warning symbol; AF status indicator All except Spot meter circle can be displayed or not with [Show/Hide in viewfinder]
Depth Of Field Preview	Provided

Autofocus

Type	TTL secondary image-forming phase-difference detection system with High-res AF Sensor
AF Points (Optical AF)	Max. 191 points (Cross-type AF points: Max. 155 points) The number of AF points, cross-type AF points and dual cross-type AF points vary depending on the lens used.

AF Point type	Maximum available AF points
Dual Cross-type AF Points at f/2.8 and f/5.6	1
Cross-type AF Points at f/4.0+f/5.6	90
Cross-type AF Points at f/5.6	64
AF Points at f/5.6	36
AF Points at f/8	191
Cross-type AF Points at f/8	65

Focusing Brightness Range	

AF Point	Brightness
f/2.8 AF point at center	EV -4 – 21
f/5.6 AF point at center	EV -3 – 21
Peripheral f/5.6 AF points	EV -1.5 – 21

AF Operation	(1) Autofocus 1. One-Shot AF 2. AI Servo AF (2) Manual focus

<table>
<tr><td>Electronic Full-time Manual Focus</td><td>When using a compatible lens, manual focusing will always become possible with the electric focusing ring.
Disable/Enable
Compatible Lenses: EF400mm f/2.8L IS III USM, EF600mm f/4L IS III USM</td></tr>
<tr><td>AF Area Settings</td><td>Manually-selected AF Areas
• Spot AF
• Single-point AF
• AF point Expansion (4-point surround)
• AF point Expansion (8-point surround)
• Zone AF
• Large Zone AF (all AF points divided into three large zones)

Automatic AF point selection (all AF points available; reference brackets around AF array)</td></tr>
<tr><td>AF Function Registration/Switching</td><td>Customizable with Custom Controls</td></tr>
<tr><td>Subject Tracking Settings</td><td>AF Priority (people): Enable / Disable
Subject Switching: Disable / Enable (slow) / Enable</td></tr>
<tr><td>Selected AF Point Display</td><td>Red dot-matrix illumination of AF points, zone AF brackets, and Auto AF Area brackets</td></tr>
<tr><td>Active AF Point Indicator</td><td>(1) Displayed in viewfinder area</td></tr>
<tr><td>Eye Detection AF (Live View and Movie)</td><td>Enables subject eye detection and AF when set to [Face+Tracking] and [Eye Detection AF: Enable].
<table>
<tr><th colspan="2">Eye Selection</th></tr>
<tr><td>Auto</td><td>(1) Selects the eye closer to the camera (as detected from the angle of the face).
(2) At the same distance from the camera, selects the eye closer to the center of the image.</td></tr>
<tr><td>Manual</td><td>(1) Selected by touching the eye in the face selection frame.
(2) Can be selected with the Multi-controllers</td></tr>
</table></td></tr>
<tr><td>AF Assist Beam</td><td>When an external EOS-dedicated Speedlite is attached to the camera, the following options are available:
(1) Enable
(2) Disable
(3) IR AF assist beam only</td></tr>
<tr><td colspan="2">Exposure Control</td></tr>
<tr><td>Metering Modes</td><td>Optical Viewfinder: 216-zone (18 x 12) metering with approx. 400,000-pixel RGB+IR metering sensor.
Live View: 384-zone (24 x 16) metering using image sensor output signals
The following metering modes selectable:
(1) Evaluative metering (linked to all AF points)
(2) Partial metering (Viewfinder: Approx. 6.2% of the screen) (Live View: Approx. 5.8% of the screen)
(3) Spot metering (center, approx. 1.5% of viewfinder) (Live View: Approx. 2.9% of the screen)
1. Center spot metering
2. AF point-linked spot metering (Custom Function)
• Linkable to all AF points.
• With automatic AF point selection, center spot metering will apply.
3. Multi-spot metering (Optical Viewfinder only)
(4) Center-weighted average metering
• The selectable metering modes can be restricted (Custom Function).</td></tr>
<tr><td>Metering Range</td><td>At 73°F/23°C, ISO 100, with evaluative metering:
EV 0–20 (Optical Viewfinder)
EV -3–20 (Live View)
EV -1–20 (Movie Recording)</td></tr>
</table>

<table>
<tr><td>Exposure Control Systems</td><td>(1) Program AE (Shiftable)
(2) Shutter-priority AE (Safety shift possible)
(3) Aperture-priority AE (Safety shift possible)
(4) Manual exposure
• The metering mode can be specified.
(5) Bulb
(6) Three custom shooting modes</td></tr>
<tr><td>ISO Speed Range</td><td>Manual setting
<table><tr><td>Normal ISO Speeds</td><td>ISO 100–102400 (in 1/3-stop increments)</td></tr><tr><td>Expanded ISO Speeds (Equivalent)</td><td>L: 50, H1: 204800, H2: 409600, H3: 819200</td></tr></table>Highlight Tone Priority: ISO range 200–102400.
Expanded ISO cannot be set during HDR shooting.

Auto ISO setting
<table><tr><th rowspan="2">Shooting Mode</th><th colspan="2">ISO Settings</th></tr><tr><th>No Flash</th><th>With Flash</th></tr><tr><td>P, Tv, Av, M</td><td>ISO 100*1*2–102400*2</td><td>ISO 100*1*2-6400*2*3</td></tr><tr><td>During Bulb shooting</td><td colspan="2">ISO 400 fixed*4</td></tr></table>*1 ISO 200 when [Highlight tone priority] is set to [Enable] or [Enhanced].
*2 Varies depending on [Maximum] and [Minimum] of [Auto range].
*3 ISO 1600 when using a lens that is not compatible with "Variable control of maximum ISO Auto limit for E-TTL".
*4 If outside the setting range, changed to the value closest to ISO 400.</td></tr>
<tr><td>Exposure Compensation</td><td>Adjusted by user: ±5 stops in 1/3- or 1/2-stop increments
AEB: ±3 stops in 1/3- or 1/2-stop increments
* Indicated up to ±3 stops on the LCD panel and in the viewfinder.</td></tr>
<tr><td>AE Lock</td><td>(1) Auto AE lock
• In the One-Shot AF mode with evaluative metering, AE lock takes effect when focus is achieved.
(2) User-applied AE lock
• With AE lock button in P, Av, Tv and M modes. (AE lock is updated each time you press the button.)
• Enabled in all metering modes.</td></tr>
<tr><td>Auto Applying of AE Lock after Focusing</td><td>Configurable</td></tr>
<tr><td colspan="2">Shutter</td></tr>
<tr><td>Type</td><td>Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled
• Live View: Mechanical, Electronic 1st-curtain, and Electronic shutter operation selectable</td></tr>
<tr><td>Shutter Speeds</td><td>When [Mechanical] or [Elec. 1st-curtain] is set: 1/8000 to 30 sec., bulb
When [Electronic] is set: 1/8000-0.5 sec.
X-sync: 1/250 sec.
• Available shutter speed range can be set via Custom Function
• Flash shooting not possible during Electronic shutter operation</td></tr>
<tr><td>Shutter Release</td><td>Soft-touch electromagnetic release</td></tr>
<tr><td>Self Timer</td><td>10-sec. delay, 2-sec. delay</td></tr>
</table>

External Speedlite	
EOS Dedicated Speedlite	E-TTL II autoflash with all EX and EL Series Speedlites
Zooming to Match Focal Length	Provided
E-TTL Balance	Ambience Priority, Standard, Flash priority
Flash Exposure Compensation	±3 stops in 1/3- or 1/2-stop increments
FE Lock	Provided
Continuous Flash Control	(1) E-TTL each shot (New E-TTL reading for each exposure in a continuous sequence) (2) E-TTL 1st shot (Flash exposure locked for 2nd and subsequent exposures in a continuous sequence)
External Speedlite Control Menu	Available for EX and EL series Speedlites. (1) General speedlite settings: Flash firing; E-TTL balance; E-TTL II metering; Continuous flash control; Flash sync speed in Av mode (2) Flash function settings: Flash exposure mode; Wireless flash control; Flash head zoom; Flash sync (1st/2nd curtain sync and High-speed sync); Flash exposure compensation; Flash exposure bracketing (3) Flash Custom Function settings
PC Terminal	Provided * No polarity. * Sync speed: Since the flash duration of studio flash units vary, set a sync speed within 1/125 sec. to 1/30 sec. and check if the flash sync works. * Both the accessory shoe (X-sync contact with maximum sync speed of 1/250 sec.) and the PC terminal can be used simultaneously for simultaneous flash firing.
Drive System	
Drive Mode and Continuous Shooting Speed	(1) Single shooting (2) High-speed continuous shooting*: Viewfinder: Max. approx. 16 shots/sec. (user-adjustable 16~3 fps) Live View Shooting: Max. approx. 20 shots/sec. (3) Continuous Shooting: Viewfinder: Max. approx. 10 shots/sec. (user-adjustable 15~2 fps) Live View Shooting*1: Max. approx. 10 shots/sec.*2 (4) Low-speed continuous shooting Viewfinder: Max. approx. 3 shots/sec. (user-adjustable 14~1 fps) Live View Shooting*1: Max. approx. 3 shots/sec. (5) Silent single shooting (6) Silent high-speed continuous shooting Viewfinder: Max. approx. 8 shots/sec. (user-adjustable 8~2 fps) Live View Shooting*1: Max. approx. 10 shots/sec.*2 (7) Silent low-speed continuous shooting Viewfinder: Max. approx. 3 shots/sec. (user-adjustable 14~1 fps) Live View Shooting*1: Max. approx. 3 shots/sec. *Continuous shooting speed may be slower under the following conditions: shutter speed, aperture, aperture status during continuous shooting, flash, anti-flicker shooting set to Enable, remaining battery level, temperature, subject conditions, brightness (shooting under low light, etc.), lens type, power source type, when internal memory is full (momentarily prevents shooting). *1 When the electronic shutter is used, the shooting speed of the continuous shooting becomes the same as the high-speed continuous shooting. *2 When the mechanical shutter is used, the shooting speed of the continuous shooting will be approx. 8.0 shots/sec.

Maximum Burst

The maximum burst during continuous shooting is as follows:

Image Quality	File Size [Approx. MB]	Possible Shots [Approx.]*1	Maximum Burst [Approx.]*1
L	7.6	40,650	1,000 or more
M1	5.4	56,960	1,000 or more
M2	4.1	74,070	1,000 or more
S	2.8	109,110	1,000 or more
HEIF	7.6	39,650	1,000 or more
RAW*2	22.1	14,150	1,000 or more
C-RAW*2	13.1	27,560	1,000 or more
RAW+L	22.1+7.6	10,500	1,000 or more
C-RAW+L	13.1+7.6	16,420	1,000 or more
RAW+M1	22.1+5.4	11,330	1,000 or more
C-RAW+M1	13.1+5.4	18,570	1,000 or more
RAW+M2	22.1+4.1	11,880	1,000 or more
C-RAW+M2	13.1+4.1	20,080	1,000 or more
RAW+S	22.1+2.8	12,530	1,000 or more
C-RAW+S	13.1+2.8	22,000	1,000 or more
RAW+HEIF	24.3+7.6	9,620	350
C-RAW+HEIF	13.7+7.6	14,380	420

* File size, number of possible shots, and maximum burst vary depending on shooting conditions (including JPEG/HEIF image quality: 8, subject, memory card brand, card storage capacity, ISO speed, Picture Style, and Custom Function, etc).
*1 The number of possible shots and standard maximum burst apply to a compliant 325GB card based on Canon testing standards, in viewfinder shooting.
*2 With [HDR PQ] set to [OFF].

Live View Functions

Shooting Modes	Still photo and video recording
Focusing	(1) Dual Pixel CMOS AF • Dual Pixel CMOS AF is possible with all EF lenses. (2) Manual focus • Magnify the image by 5x or 10x and focus manually. • MF peaking and Focus Guide possible
Metering Modes	(1) Evaluative metering (linked to all AF points) (2) Partial metering: Approx. 5.8% of the screen (3) Spot metering: Approx. 2.9% of the screen (4) Center-weighted average metering AE lock possible. The active metering timer can be changed.
Metering Range	EV -3–20 (at 73°F/23°C, ISO 100, with evaluative metering)
Grid Display	(1) Off (2) 3x3 (3) 6x4 (4) 3x3+diag
Electronic (Silent) Shutter Operation	Possible with Shutter mode set to Electronic • Audible sounds possible from lens operation, etc. • Flash not possible when LV Shutter mode set to Electronic

HDR Shooting

HDR Shooting (Still photo HDR PQ)

Recording Format	Bit Depth	Color Sampling Method	HDR Standard
HEIF	10 bit	YCbCr 4:2:2	ITU-R BT. 2100 (PQ)

HDR Shooting (HDR PQ)

Disable / Enable

HDR Assist Display in Shooting & Playback

Exposure prior (mid-tones) / Tones prior (highlights)

Video Shooting

File Format: Canon Log

Normal movie recording:
- MPEG4 H.264 / AVC
- 8-bit, 4:2:0; Color space BT.709

Canon Log recording:
- MPEG4 H.265 / HEVC
- 10-bit, 4:2:2; Color space BT.709 / BT.2020

Audio: AAC or Linear PCM (Audio Compression in C.Fn menu, during ALL-I or IPB recording)
- Internal monaural microphone
- 3.5mm stereo external microphone jack

Recording Sizes and Format

NTSC		
5.5K RAW (5472 x 2886)	**59.94 fps* 29.97 fps 23.98 fps**	RAW RAW (Light)
4K DCI (4096 x 2160)	**59.94 fps* 29.97 fps 23.98 fps**	ALL-I IPB IPB (Light)
4K UHD (3840 x 2160)	**59.94 fps* 29.97 fps 23.98 fps^**	ALL-I IPB IPB (Light)
4K DCI (cropped) (4096 x 2160)	**59.94 fps 29.97 fps 23.98 fps**	ALL-I IPB IPB (Light)
Full HD (1920 x 1080)	**119.90 fps****	ALL-I IPB IPB (Light)
	59.94 fps 29.97 fps 23.98 fps^	

* AF does not function.

** Audio not recorded at High Frame Rate 119.90 fps recording

^ 24p recording will be supported through firmware update after shipping.

Focusing

(1) Dual Pixel CMOS AF

(2) Manual focus

* Magnify the image by 5x or 10x and focus manually (not possible during movie shooting).

Movie Digital IS

Movie Digital IS Setting		Full HD	4K DCI	4K UHD	4K DCI Cropped
Item	**Disable**	Approx. 100%	Approx. 100%	Approx. 94%	Approx. 75%
	Enable	Approx. 90%	Approx. 90%	Approx. 84%	Approx. 67%
	Enhanced	Approx. 70%	Approx. 70%	Approx. 66%	Approx. 52%

*Cannot be used during RAW movie recording.

* The angle of view remains at the specified setting, regardless of how the IS switch of IS lenses is set.

Exposure Control

Shooting Mode	Exposure Control	Shutter Speed (sec.)		Aperture	
		Auto Setting	Manual Setting	Auto Setting	Manual Setting
P, bulb	Program AE for movie shooting	Yes	–	Yes	–
Tv	Movie shutter-priority AE	–	Yes	Yes	–
Av	Movie aperture-priority AE	Yes	–	–	Yes
M	Movie manual exposure	–	Yes	–	Yes

Exposure Compensation

Up to ±3 stops in 1/3- or 1/2-stop increments

* If AE Micro adjustment is performed, the settable exposure compensation amount will decrease by the amount of the AE Micro adjustment. For example, if you set the AE Micro adjustment to +1 stop, the exposure compensation amount will be limited to a maximum +2 stops on the positive side.

Estimated Recording time, Movie Bit Rate, and File Size

Canon Log: OFF (H.264 / AVC)

Movie-recording Size			Total Recording Time (Approx.)			Movie Bit Rate / File Size (Approx.)
			64GB	256GB	1 TB	
5.5K RAW (5472 x 2886)	59.97 fps	RAW	3 min.	13 min.	50 min.	2600 Mbps 18711 MB/min.
		RAW (Light)	5 min.	22 min.	1 hr. 27 min.	1500 Mbps 10860 MB/min.
	29.97 fps 23.98 fps	RAW	4 min.	18 min.	1 hr. 13 min.	1800 Mbps 12937 MB/min.
	29.97 fps	RAW (Light)	11 min.	44 min.	2 hr. 53 min.	760 Mbps 5507 MB/min.
	23.98 fps	RAW (Light)	14 min.	56 min.	3 hr. 39 min.	600 Mbps 4351 MB/min.
4K DCI (4096 x 2160)	59.94 fps	ALL-I	9 min.	36 min.	2 hr. 21 min.	940 Mbps 6734 MB/min.
		IPB	36 min.	2 hr. 27 min.	9 hr. 35 min.	230 Mbps 1656 MB/min
		IPB (Light)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 17 min.	120 Mbps 860 MB/min
	29.97 fps 23.98 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 42 min.	470 Mbps 3373 MB/min.
		IPB	1 hr. 10 min.	4 hr. 40 min.	18 hr. 17 min.	120 Mbps 869 MB/min.
		IPB (Light)	2 hr. 21 min.	9 hr. 26 min.	36 hr. 52 min.	60 Mbps 431 MB/min.
4K DCI cropped (4096 x 2160)	59.94 fps	ALL-I	9 min.	36 min.	2 hr. 21 min.	940 Mbps 6734 MB/min.
		IPB	36 min.	2 hr. 27 min.	9 hr. 35 min.	230 Mbps 1656 MB/min.
		IPB (Light)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 28 min.	120 Mbps 860 MB/min.
	29.97 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 42 min.	470 Mbps 3373 MB/min.
		IPB	1 hr. 10 min.	4 hr. 40 min.	18 hr. 17 min.	120 Mbps 869 MB/min.
		IPB (Light)	2 hr. 21 min.	9 hr. 26 min.	36 hr. 52 min.	60 Mbps 431 MB/min.

* Bit rate indicates video output only, audio is not included.
* Movie recording is interrupted if the maximum recording time per movie, 29 min. 59 sec., is exceeded. (Time is different for High Frame Rate movies.)
*Sound is not recorded for approx. the last two frames when the compression method for movie recording quality is IPB or IPB Light (audio: AAC) and [C. Fn 7-7 Audio compression] is set to [Enable]. The video and sound may be slightly out of sync when movies are played back in Windows.

Estimated Recording time, Movie Bit Rate, and File Size

Canon Log: OFF (H.264 / AVC) (Continued)

Movie-recording Size			Total Recording Time (Approx.)			Movie Bit Rate / File Size (Approx.)
			64GB	256GB	1 TB	
4K UHD (3840 X 2160)	59.94 fps	ALL-I	9 min.	36 min.	2 hr. 21 min.	940 Mbps 6734 MB/min.
		IPB	36 min.	2 hr. 27 min.	9 hr. 35 min.	230 Mbps 1656 MB/min.
		IPB (Light)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 28 min.	120 Mbps 860 MB/min.
	29.97 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 42 min.	470 Mbps 3373 MB/min.
		IPB	1 hr. 10 min.	4 hr. 40 min.	18 hr. 17 min.	120 Mbps 869 MB/min.
		IPB (Light)	2 hr. 21 min.	9 hr. 26 min.	36 hr. 52 min.	60 Mbps 431 MB/min.
Full HD (1920 x 1080)	119.90 fps	ALL-I	23 min.	1 hr. 34 min.	6 hr. 10 min.	360 Mbps 2575 MB/min.
	59.94 fps	ALL-I	47 min.	3 hr. 8 min.	12 hr. 14 min.	180 Mbps 1298 MB/min.
		IPB	2 hr. 18 min.	9 hr. 14 min.	36 hr. 6 min	60 Mbps 440 MB/min.
		IPB (Light)	4 hr. 1 min.	16 hr. 7 min.	63 hr. 1 min.	35 Mbps 252 MB/min.
	29.97 fps	ALL-I	1 hr. 33 min.	6 hr. 12 min.	24 hr. 16 min.	90 Mbps 655 MB/min.
		IPB	4 hr. 30 min.	18 hr. 2 min.	70 hr. 27 min.	30 Mbps 226 MB/min.
		IPB (Light)	11 hr. 35 min.	46 hr. 23 min.	181 hr. 13 min.	12 Mbps 88 MB/min.

* Bit rate indicates video output only, audio is not included.
* Movie recording is interrupted if the maximum recording time per movie, 29 min. 59 sec., is exceeded. (Time is different for High Frame Rate movies.)
*Sound is not recorded for approx. the last two frames when the compression method for movie recording quality is IPB or IPB Light (audio: AAC) and [C. Fn 7-7 Audio compression] is set to [Enable]. The video and sound may be slightly out of sync when movies are played back in Windows.

Estimated Recording time, Movie Bit Rate, and File Size

Canon Log: ON (H.265 / HEVC)

Movie-recording Size			Total Recording Time (Approx.)			Movie Bit Rate / File Size (Approx.)
			64GB	256GB	1 TB	
5.5K RAW (5472 x 2886)	59.97 fps	RAW	3 min.	13 min.	50 min.	2600 Mbps 18711 MB/min.
		RAW (Light)	5 min.	22 min.	1 hr. 27 min.	1500 Mbps 10860 MB/min.
	29.97 fps 23.98 fps	RAW	4 min.	18 min.	1 hr. 13 min.	1800 Mbps 12937 MB/min.
	29.97 fps	RAW (Light)	11 min.	44 min.	2 hr. 53min.	760 Mbps 5507 MB/min.
	23.98 fps	RAW (Light)	14 min.	56 min.	3 hr. 39 min.	600 Mbps 4351 MB/min.
4K DCI (4096 x 2160)	59.94 fps	ALL-I	8 min.	34 min.	2 hr. 13 min.	1000 Mbps 7164 MB/min.
		IPB	24 min.	1 hr. 39 min.	6 hr. 30 min.	340 Mbps 2443 MB/min
		IPB (Light)	50 min.	3 hr. 20 min.	13 hr. 3 min.	170 Mbps 1218 MB/min
	29.97 fps 23.98 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 42 min.	470 Mbps 3373 MB/min.
		IPB	49 min.	3 hr. 18 min.	12 hr. 57 min.	170 Mbps 1227 MB/min.
		IPB (Light)	1 hr. 40 min.	6 hr. 40 min.	26 hr. 3 min.	85 Mbps 610 MB/min.
4K DCI cropped (4096 x 2160)	59.94 fps	ALL-I	8 min.	34 min.	2 hr. 13 min.	1000 Mbps 7164 MB/min.
		IPB	24 min.	1 hr. 39 min.	6 hr. 30 min.	340 Mbps 2443 MB/min.
		IPB (Light)	50 min.	3 hr. 20 min.	13 hr. 3 min.	170 Mbps 1218 MB/min.
	29.97 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 42 min.	470 Mbps 3373 MB/min.
		IPB	49 min.	3 hr. 18 min.	12 hr. 57 min.	170 Mbps 1227 MB/min.
		IPB (Light)	1 hr. 40 min.	6 hr. 40 min.	26 hr. 3 min.	85 Mbps 610 MB/min.

Estimated Recording time, Movie Bit Rate, and File Size

Canon Log: ON (H.265 / HEVC) (Continued)

Movie-recording Size			Total Recording Time (Approx.)			Movie Bit Rate / File Size (Approx.)
			64GB	256GB	1 TB	
4K UHD (3840 X 2160)	59.94 fps	ALL-I	8 min.	34 min.	2 hr. 13 min.	1000 Mbps 7164 MB/min.
		IPB	24 min.	1 hr. 39 min.	6 hr. 30 min.	340 Mbps 2443 MB/min.
		IPB (Light)	50 min.	3 hr. 20 min.	13 hr. 3 min.	170 Mbps 1218 MB/min.
	29.97 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 42 min.	470 Mbps 3373 MB/min.
		IPB	49 min.	3 hr. 18 min.	12 hr. 57 min.	170 Mbps 1227 MB/min.
		IPB (Light)	1 hr. 40 min.	6 hr. 40 min.	26 hr. 3 min.	85 Mbps 610 MB/min.
Full HD (1920 x 1080)	119.9 fps	ALL-I	18 min.	1 hr. 12 min.	4 hr. 43 min.	470 Mbps 3362 MB/min.
	59.94 fps	ALL-I	36 min.	2 hr. 27 min.	9 hr. 35 min.	230 Mbps 1656 MB/min.
		IPB	1 hr. 33 min.	6 hr. 12 min.	24 hr. 16 min	90 Mbps 655 MB/min.
		IPB (Light)	2 hr. 49 min.	11 hr. 19 min.	44 hr. 12 min.	50 Mbps 360 MB/min.
	29.97 fps	ALL-I	1 hr. 2 min.	4 hr. 9 min.	16 hr. 16 min.	135 Mbps 977 MB/min.
		IPB	3 hr. 3 min.	12 hr. 13 min.	47 hr. 45 min.	45 Mbps 333 MB/min.
		IPB (Light)	5 hr. 1 min.	20 hr. 7 min.	78 hr. 37 min.	28 Mbps 202 MB/min.

LCD Screen

Type	TFT color, liquid-crystal monitor
Monitor Size	Size: 3.2-inches (aspect ratio 3:2) Diagonal: Approx. 3.15 in. / Approx. 8.01 cm Width: Approx. 2.63 in. / Approx. 6.67 cm Height: Approx. 1.75 in. / Approx. 4.44 cm
Pixels	Approx. 2.1 million dots
Touch-screen Operations	• AF Point Selection / Touch AF: Supported • Touch Shutter: Not supported • Menu setting touch control: Supported • Quick Control touch control: Supported • Touch-based menu magnified view: Supported • Touchscreen sensitivity: Standard / Sensitive / Disable • (VF shoot) Safety lock: ON / OFF (Default: ON) • Beep: Enable / Touch beep / Disable
Coverage	Approx. 100% vertically and horizontally Viewing angle: Approx. 170° vertically and horizontally
Brightness Control	7 levels provided (manually adjustable, in Set-up Menu)
Interface Languages	29 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Malay, Indonesian, and Japanese)

Playback Functions

Display Format

Single Image Display	• No information display • Basic information display • Available display items (1-10) • Detailed shooting information display o Basic shooting information o Lens information and RGB histogram o White balance o Picture Style o Color space and noise reduction o Lens abberation correction o Record of sent images o GPS* information o IPTC information
Index Display	• 4-image index • 9-image index • 36-image index • 100-image index

* In certain countries and regions, the use of GPS may be restricted. Therefore be sure to use GPS in accordance with the laws and regulations of your country or region. Be particularly careful when traveling outside your home country. As a signal is received from GPS satellites, take sufficient measures when using in locations where the use of electronics is regulated.

Highlight Alert	On the single-image display, highlight areas without any image information will blink.
Frame Grab from 4K Movies	• Individual frames in 4K movies recorded with the camera can be saved as JPEG still photos. • Approx. 8.8 megapixels (4096 x 2160) or approx. 8.3 megapixels (3840 x 2160) • Frame grab images cannot be resized or cropped in-camera.

Image Protection and Erase

Protection	Erase protection: single image; select range; all images in folder; all images on card; all found images Unprotection: all images in folder; all images on card;
Erase	Erase a single image, selected images, select range, all images in a folder, all images in a card or all found images.

<table>
<tr><th colspan="2">Direct Printing</th></tr>
<tr><td>Compatible Printers</td><td>N/A (Direct printing not possible)</td></tr>
<tr><th colspan="2">DPOF: Digital Print Order Format</th></tr>
<tr><td>DPOF</td><td>Version 1.1 compatible</td></tr>
<tr><th colspan="2">Direct Image Transfer</th></tr>
<tr><td>Transferable Images</td><td>JPEG, RAW/C-RAW, HEIF images, and movies
*Individual and multiple image files can be selected</td></tr>
<tr><th colspan="2">Customization</th></tr>
<tr><td>Custom Functions</td><td>Total 38</td></tr>
<tr><td>Custom Shooting Modes</td><td>• Current camera settings can be registered to C1, C2 and C3 in Set-up Menu (called-up for shooting on top LCD panel).
• Automatic updating of the registered settings can be set to Enable or Diable.
* The saving of individual settings for still photos and movies is supported.</td></tr>
<tr><td>My Menu Registration</td><td>Up to six top-tier menu options and Custom Function settings can be registered.
Up to five My Menu tabs can be added.</td></tr>
<tr><th colspan="2">External Interface</th></tr>
<tr><td>USB Terminal</td><td>USB Type-C
SuperSpeed Plus USB (USB 3.1 Gen 2)
• For computer communication</td></tr>
<tr><td>HDMI mini OUT Terminal</td><td>Type C (Resolution switches automatically) / CEC not compatible.
• Images will not be displayed unless [NTSC] or [PAL] is properly set according to the video system of the TV set.</td></tr>
<tr><td>Clean HDMI Output</td><td>Provided</td></tr>
<tr><td>Extension System Terminal</td><td>Wireless File Transmitter WFT-E9
* WFT-E6 and WFT-E8 are not supported.</td></tr>
<tr><th colspan="2">Power Source</th></tr>
<tr><td>Battery</td><td>Battery Pack LP-E19 (supplied)</td></tr>
<tr><td>Number of Shots</td><td>Approx. (Based on CIPA testing standards)
<table>
<tr><th>Shooting Method</th><th>Battery</th><th>Temperature</th><th>Possible Shots</th></tr>
<tr><td rowspan="2">Viewfinder shooting</td><td rowspan="4">Battery Pack LP-E19</td><td>At 73°F/23°C</td><td>2850</td></tr>
<tr><td>At 32°F/0°C</td><td>2360</td></tr>
<tr><td rowspan="2">Live View shooting</td><td>At 73°F/23°C</td><td>610</td></tr>
<tr><td>At 32°F/0°C</td><td>530</td></tr>
</table></td></tr>
<tr><td>Battery Check</td><td>4-level remaining charge display icon in viewfinder, top LCD panel, and LCD screen (when shooting info displayed)
• Battery info. in Set-up Menu — % charge remaining, shutter count on current charge, and recharge performance displayed</td></tr>
<tr><td>Power Saving</td><td>Power turns off after the set time (1, 2, 4, 8, 15 or 30 min.) of non-operation elapses.</td></tr>
<tr><td>Date/Time Battery</td><td>Rechargeable built-in secondary battery
• Maintains date/time for approx. 1 month, if primary battery pack removed or depleted
• Recharged by installation of charged LP-E19
• Recharging time approx. 8 hours</td></tr>
<tr><td>Start-up Time</td><td>Approx. 0.2 sec. (Based on CIPA testing standards)</td></tr>
</table>

Dimensions and Weight	
Dimensions (W x H x D)	Based on CIPA guidelines: Approx. 6.22 x 6.60 x 3.25 in. / 158.0 x 167.6 x 82.6mm (W x H x D)
Weight	Based on CIPA guidelines: Approx. 44.09 oz. / 1250g (Body only) Approx. 50.80 oz. / 1440g (Including battery, and memory card) * Weighed without body cap and eyecup.
Operating Environment	
Working Temperature Range	32–113°F/0–45°C
Working Humidity Range	85% or less