



Туре						
Туре	Video camera					
Image Processor	DIGIC X					
Image Sensor						
Туре	1-inch high-sens	sitivity CMOS sensor (back-illuminated)				
Effective Pixels	_	cording (Full HD, 16:9) - Approx. 13.1 me o shooting - Approx. 15.2 megapixels	egapixels			
Total Pixels	Approx. 20.9 me	egapixels				
Color Filter System	RGB primary co	lor filters				
Lens						
Focal Length		cording (Full HD, 16:9) - 6.6 mm (Approx o shooting - 6.6 mm (Approx. 18 mm equ	t. 19 mm equivalent, 35mm format equivalent) uivalent, 35mm format equivalent)			
Angle of view	During Movie recording (Full HD, 16:9) - 97.5° During Still photo shooting - 100.2°					
F-number (max. aper- ture)	f/2.8					
Aperture	f/2.8-f/8					
Lens configuration	8 elements in 7 groups					
Aspherical lenses	3 lenses, 6 surfaces					
Optical zoom	None	None				
Optical IS	None					
ND filter	Included (equiva	llent to 3 stops)				
Protective glass	Included (no lens	s barrier)				
Focusing range	0.05 m / 0.16 ft.	to infinity				
Recording System						
Recording Format	· ·	sign rule for Camera File system 2.0 and offset information	Exif 2.31*			
		Image Type	Extension			
Image Format	Still Photos	JPEG	.JPG			
	Movies	IPB (Standard) / IPB (Light)	.MP4			

File Numbering	 File numbering methods a. Continuous i. The numbering of captured images continues even after you replace the card. b. Auto reset i. When cards are replaced, the numbering is reset to start from 0001. If the new card already contains images, the numbering will continue from the last recorded image in the card. Manual reset a. Resets the file number to 0001, and creates a new folder automatically. * When manually resetting the file number, folders can also be renamed.
Recording Media	(One) microSD card slot Compatible with UHS-I microSD. microSDHC, and microoSDXC memory cards

Still Photo Recording

File Size / Number of **Shots Available**

	Image Quality	File Size [Approx. MB]	Available Shots [Approx.]*1
	L	9.6	2880
IDEC	М	4.8	5270
JPEG -	S1	2.8	7940
	S2	1.9	15630

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

Movie Recording

Movie Recodring Format

Container format	MP4		
Bit depth	8 bits		
Compression	H.264 / MPEG-4 AVC		
Video signal recording range	Full range (0-255)		
Color sampling method	YCbCr 4:2:0		
Standards compliance	Rec. ITU-R BT.709		
Color gamut	Rec.709		
Audio	AAC		

^{*} File sizes are determined based on Canon testing standards.

^{*} File size and number of shots available vary by shooting conditions (such as aspect ratio, subject, ISO speed, and Custom Functions).

Movie Recording Size Overview

Movie	Resolution	Frame Rate (fps)		Video	Audio	
Recording Size	Resolution	Aspect Ratio	NTSC	PAL	Compression	Compression
4K UHD	3840 x 2160	16:9	29.97 23.98	25.00	IPB (Standard)	
Full HD	1920 x 1080	16:9	59.94 29.97	50.00 25.00	IPB (Light)	AAC
			23.98	25.00	IPB (Standard)	

Estimated Recording Time, Movie Bit Rate, and File Size

Movie Recording Size			Total Recording Time (approx.)			Video Bit Rate	File Size
Movie Record- ing	Frame Rate	Compression method	32 GB	128 GB	512 GB	(Approx. Mbps)	(Approx. MB/ min.)
4K UHD	29.97 fps	IPB (Standard)	35 min.	2 hr. 21 min.	9 hr. 27 min.	120	860
4K UHD 25.00 fps 23.98 fps	IPB (Light)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 52 min.	60	431	
	59.94 fps	IPB (Standard)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 52 min.	60	431
	50.00 fps	IPB (Light)	2 hr. 1 min.	8 hr. 4 min.	32 hr. 15 min.	35	252
Full HD	29.97 fps	IPB (Standard)	2 hr. 20 min.	9 hr. 23 min.	37 hr. 35 min.	30	216
25.00 fps 23.98 fps	25.00 fps	IPB (Light)	5 hr. 47 min.	23 hr. 11 min.	92 hr. 47 min.	12	88
	IPB (Standard)	2 hr. 20 min.	9 hr. 23 min.	37 hr. 35 min.	30	216	

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

^{*} No audio is recorded for approx. the last two frames with the compression method for movie recording quality setto IPB (Standard) or IPB (Light). Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.

		Movie Record	ing Size	SD Card	
Card Performance Requirements		29.97 fps	IPB (Standard)	UHS Speed Class 3 or higher	
	4K UHD	25.00 fps 23.98 fps	IPB (Light)	SD Speed Class 10 or higher	
		59.94 fps 50.00 fps	IPB (Standard)	SD Speed Class 10 or higher	
	F11 11D		IPB (Light)	SD Speed Class 6 or higher	
	Full HD	29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	SD Speed Class 6 or higher	
			IPB (Light)	SD Speed Class 4 or higher	
Movie Color Filters	14 filters available				
Smooth Skin Movie	Can record movies with a smooth skin effect				

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

	Microphone	Stereo microphones 48 kl	1 z		
Built-in Microphone	Sampling frequency	16 bits			
Dunt-in microphone	Bits	2 ch			
	Channels	Full range (0-255)			
Audio Noise Reduction	3-mic noise cancellation				
	Terminal	3.5 mm diameter stereo m	iini-jack		
External Microphone	Plug-in power	Supported*1			
_xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	*1: Plug-in power specifica if plug-in power will be use		Stereo Microphone DM-E100 is recommended		
Digital Zoom	Off / 1.5× / 2.0× / 3.0× * Cannot be combined with	h image stabilization or auto	level.		
Digital IS	Movie digial IS Supported * Cannot be combined with digital zoom or auto level.				
	Off	Movie recording begins in	nmediately		
Movie Self-timer	10 sec.	Movie recording begins in 10 sec.			
	2 sec.	Movie recording begins in 2 sec.			
Remote Control Recording	Supported				
Maximum Recording Time per Recording	Normal movie and during movie recording other than below		Maximum: Approx. 1 hr.		
3	Smooth skin movie [4K movie recording]		Maximum: Approx. 5 min.		
White Balance					
Settings	(1) Auto (Ambience priority (2) Daylight (3) Shade (4) Cloudy*1 (5) Tungsten light (6) White fluorescent light (7) Color temperature				
	*1: Effective also in twiligh	t and sunset.			
White Balance Shift	Blue/amber bias: ±9 levels Magenta/green bias: ±9 le * Adjustable in [Color tone	evels			
Autofocus					
Focus Method					

		Still photo shooting	Movie recording				
	AF operation	One-Shot AF	Movie Servo AF				
	AF method	Face Tracking AF	Face Tracking AF Specified Frame AF				
Focusing Operation	AF lock	Not Supported	Tap to start/stop AF*1				
	Manual focus (MF) Not Supported						
		oss key during output to a si only in the detailed informa	=				
Focusing Area	Movie recording (with face	detection) - Approx. 100% v	% vertical and horizontal cov vertical and horizontal covera ax. 31 areas (7×5; corners no	age			
Tap-based Subject Selection	Subjects to track are speci * People only	fied by tapping					
LCD Screen							
Туре	TFT color, liquid-crystal me	onitor					
Screen Size	2.0-inch (screen aspect rat 1.97 in./5.0cm diagonal (1.	tio of 3:2) 61 in./4.1cm width, 1.10 in./2	.8cm height)				
Dot Count	Approx. 460,000 dots						
Angle of View	Approx. 160° vertically and	l horizontally					
Coverage		rtically and horizontally (at a 6 vertically and horizontally	n aspect ratio of 16:9) (at L image size and an aspe	ect ratio of 3:2)			
Brightness Control	Manually adjustable in a ra	inge of 1–5					
Touch-screen Operation	Capacitive sensing Support for: Tap-based sul Control Menu	bject selection; Touch Shutt	er (Disable / Enable); Menu s	selection; Quick			
Tilt	Approx. 180° upward						
	Grid display	Disable / 3x3					
Shooting Information	Recording emphasis	On / Off					
Display	Aspect marker	Off / 1:1 / 4:5 / 5:4 / 9:16 / 4 1.66:1 / 1.75:1 / 1.85:1 / 1.9					
Interface Languages	31 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Ukraine, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Malay, Indonesian, Persian, Hebrew, and Japanese)						
Exposure Control							
Metering Mode	Evaluative metering 384-zone (24×16) metering using the image sensor						
ISO Speed in Still Photo Shooting		for still photos not configura otos - Auto (ISO 125–12800)					

	Manual or Automatic ISO Sp	peed Settings					
			ISO Speed				
ISO Speed in Movie Recording		Full HD	ISO 125-6400 (in 1/3-stop increments)				
	Normal ISO Speed	4K	ISO 125–3200 (in 1/3-stop increments)				
	* Expanded ISO speed not a	available.					
Shutter							
Туре	Rolling shutter, using the im-	age sensor					
Still Photo Shooting Shutter Speeds	1/2000–1/8 sec. * Up to 1.0 sec. depending of	on the scene.					
Movie Recording Shutter Speeds	1	1/4000–1/25 sec. * Varies by movie recording mode and frame rate. Manual exposure movies: 1/4000–1/8 sec.					
Image Stabilization	n (IS mode)						
	digital zoom. Using Movie digital IS result	-	movie recording. Cannot be combined with				
	Digital IS setting	Image area					
Movie Digital IS	Off	Approx. 100%					
	On	Approx. 90%					
	Enhanced	Approx. 70%					
	* Cannot be combined with auto level. * Cannot be use in Smooth skin mode.						
	Keeps the movie level as it i	s recorded, by rotating the	e image and extracting a portion.				
Auto Level	Auto Level	Image area					
Auto Level	Enable	Approx. 90%					
	* Cannot be combined with	Movie digital IS.	_				

Playback Item Still Photo Movie **Display conditions** JPEG images MP4 movies*1 Review duration: Off / 2 sec. / 4 Image review sec. / 8 sec. / Hold Single-image display Yes Yes View from last seen Yes Yes **Shooting information** No information display / Basic information display / display Detailed shooting information display Index display 4 / 9 / 36-image index Highlight alert Can be checked in Detailed information screen **Display Format** Histogram Brightness Movie play count Rec time By enlarging/reducing Image magnification (pinching in/out) Rotate stills (manually: 90° → 270° Rotate image Change movie rotation information → 0°) Auto rotate OFF / 1 to 5 Stars Rating Select images / Select range / All images in folder / All images on card Select images / Select range / All images in folder / Umprotect all imag-**Protect images** es on card / Unprotect all images on card Select and erase images / Select range / All images in folder / All imag-**Erase images** es on card *1: Movie files recorded with other cameras may not be played back, even if they have the same file extensions as used by this camera. **Quick Control Function** The Quick Control screen can be accessed by pressing the <Q/SET> button during movie recording. **Function** * In still photo shooting, [Image quality] settings are displayed. Customization **Custom Functions** None <Comm/Multi-Access> button operation in movie recording mode is customizable with the following functions. Wi-Fi/Bluetooth connection · Autofocus method · Movie recording size · Recording level **Customize Buttons** · Digital zoom • White balance selection • Color tone · Color filter · Digital IS setting Aspect marker · Maximize screen brightness (temp) · Choose USB connection app A customized setting screen can be opened by pressing and holding the <Comm/ Multi-Access> **Shortcut function**

button.

Wi-Fi®					
Supporting Standards	Equivalent to IEEE 802.11b/g/n Standards				
Transmission Method	DS-SS modulation (IEEE 802.11b) OFDM modulation (IEEE 802.11g/n)				
Transition Frequency (Central Frequency)	2.4 GHz band Frequency: 2412 to 24 Channels: 1 to 11 cha				
	Connection Method	Authentication		Encryption	
	Connection wethou		Encryption	Key Format and Length	
	Camera Access Point	WPA2 / WPA3-Personal Open	AES	ASCII 8 characters Disable	
Security		Open	WEP	Hexadecimal 10 digits Hexadecimal 26 digits ASCII 5 characters ASCII 13 characters	
	Infrastructure			Disable	
		Shared key	WEP	Same as WEP above	
		WPA / WPA2 / WPA3-Personal	TKIP AES	1–127 characters	
Send Images to a Web Service		ploading of still photos (JPEG) les can be sent to specific soc		P4) to image.canon servers. rd-party cloud image services.	
Bluetooth®					
Standards Compliance	Bluetooth Specification \	/ersion 4.2 compliant (Bluetoo	th Low Energy	technology)	
Transmission Method	GFSK modulation				
Bluetooth Pairing	Smartphone — up to 10	devices; BR-E1 remote contro	oller — 1 unit		
Video Calls / Stream	ning				
Video Calls	Available * The camera is accessib	ole to software on a computer	once connecte	d via USB.	
Supported Protocols and Data Formats	Video • USB Video Class (UVC) supported • Video compression format: Motion JPEG • Movie recording size: Full HD at 30 fps only • Camera control from applications: Not supported Audio • USB Audio Class (UAC) supported • Linear PCM (48 kHz, 16 bits) • Built-in or external microphone (External microphone IN terminal)				
Streaming Services	Streaming video captured by the camera is possible by selecting a streaming service icon on the camera to obtain a destination URL. * Linkage with compatible streaming services and other settings are configured by connecting the camera to Camera Connect. * Streamed videos are not saved on the camera.				
Compatible Services	YouTubeLive FacebookLive * Details on each service are provided on the service website. * As of February 2023.				

External Interface						
USB Terminal	USB Type-C Equivalent to Hi-Speed US	USB Type-C Equivalent to Hi-Speed USB (USB 2.0)				
HDMI Out Terminal	HDMI micro OUT terminal (Type D) * Resolution switches automatically * HDMI CEC not supported * Images not displayed unless [For NTSC] or [For PAL] is set correctly for the TV video system					
Microphone terminal	3.5mm diameter stereo min	i jack				
Headphone terminal	Not provided					
Power Source						
Battery	Built-in rechargeable lithium-ion battery * Not user-replaceable.					
	Rated voltage	Capacity				
Rated voltage/capacity	3.6V	1250 mAh				
Recharge cycles	Approx. 500 recharging and	d usage cycles				
USB charging time	Approx. 1 hr. 50 min. * To fully recharge a comroom temperature)	pletely depleted battery	based on CIPA testing s	tandards using PD-E1 (at		
Start-up Time	Approx. 1.1 sec.					
Dimensions and W	eight					
Dimensions (W x H x D)	Approx. 2.50 × 3.54 × 1.35	in. / 63.4 × 90.0 × 34.3 r	mm			
		Exterior color	Wei	ght		
Weight	Body (including card)	Black / Silver	Approx. 7.44 oz.	Approx. 211 g		
	Body only	Black / Silver	Approx. 7.41 oz	Approx. 210 g		
Operating Environi	ment					
Working Temperature Range	0-40°C / 32-104°F					
Working Humidity Range	10%–90%					