Type	
Type	Digital, single-lens reflex, AF/AE camera
Recording media	CF cards (Type I, UDMA 7 supported) CFast card (CFast 2.0 supported)
Image sensor size	Approx. 35.9 x 23.9mm
Compatible lenses	Canon EF lenses * Excluding EF-S and EF-M lenses (The effective angle of view of a lens is approximately equivalent to that of the focal length indicated.)
Lens mount	Canon EF mount
Image Sensor	
Type	CMOS sensor
Effective pixels	Approx. 20.2 megapixels * Rounded off to the nearest 10,000th.
Aspect ratio	3:2
Dust delete feature	Auto / Manual, Appending Dust Delete Data
Recording System	
Recording format	Design rule for Camera File System (DCF) 2.0
Image type	JPEG, RAW (14-bit Canon original), RAW+JPEG simultaneous recording possible

Recorded pixels	L (Large)	Approx. 20.0 megapixels (5472 x 3648)
	M1 (Medium1)	Approx. 12.7 megapixels (4368 x 2912)
	M2 (Medium2)	Approx. 8.9 megapixels (3648 x 2432)
	S (Small)	Approx. 5.0 megapixels (2736 x 1824)
	RAW	Approx. 20.0 megapixels (5472 x 3648)
	M-RAW	Approx. 11.2 megapixels (4104 x 2736)
	S-RAW	Approx. 5.0 megapixels (2736 x 1824)

Recording function	Standard, Auto switch card, Record separately, Record to multiple
Create / select a folder	Possible
File name	Preset code / User setting 1 / User setting 2
File numbering	Continuous, Auto reset, Manual reset

Image Processing During Shooting	
Picture Style	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined 1 - 3
White balance	Auto (Ambience priority), Auto (White priority), Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom (5 settings), Color temperature setting (approx. 2500 - 10000K), Personal white balance (5 settings) White balance correction and white balance bracketing features provided * Flash color temperature information transmission possible
Automatic image brightness correction	Auto Lighting Optimizer provided
Noise reduction	Applicable to high ISO speed shots and long exposures
Highlight tone priority	Provided
Lens aberration correction	Peripheral illumination correction, Chromatic aberration correction, Distortion correction, and Diffraction correction
Viewfinder	
Type	Eye-level pentaprism
Coverage	Vertical / horizontal approx. 100% (with eye point approx. 20mm)
Magnification	Approx. 0.76x (-1m^{-1} with 50mm lens at infinity)
Eyepoint	Approx. 20mm (from eyepiece lens center at -1m^{-1})
Built-in dioptric adjustment	Approx. -3.0 - +1.0m^{-1} (dpt)
Eyepiece shutter	Built-in
Focusing screen	Ec-C6 provided, interchangeable
Grid display	Provided
Electronic level	Provided
Function setting display	Image type: JPEG / RAW, Shooting mode, Metering mode, White balance, Drive mode, AF operation, Flicker detection, Warning! indicator, AF operation indicator
Mirror	Quick-return type
Depth-of-field preview	Provided
Autofocus (during viewfinder shooting)	
Type	TTL secondary image-registration, phase-difference detection with the dedicated AF sensor

AF points	Max. 61 points (Cross-type AF point: Max. 41 points) * Number of available AF points, Dual cross-type AF points, and cross-type AF points vary depending on the lens used. * Dual cross-type focusing at f/2.8 with 5 AF points vertically aligned at the center. (AF group: When group A lenses are used)
Focusing brightness range	EV -3 - 18 (Conditions: f/2.8-sensitive center AF point, One-Shot AF, room temperature, ISO 100)
Focus operation	One-Shot AF, AI Servo AF, Manual focusing (MF)
AF area selection modes	Single-point Spot AF (manual selection), Single-point AF (manual selection), AF point expansion (manual selection: up, down, left, and right), AF point expansion (manual selection: surround), Zone AF (manual selection of zone), Large zone AF (manual selection of zone), Automatic selection AF
AF point automatic selection conditions	Based on EOS iTR AF setting (Enables AF incorporating human face/color information) * iTR: Intelligent Tracking and Recognition
AF Configuration tool	Case 1 - 6
AI Servo AF characteristics	Tracking sensitivity, acceleration / deceleration tracking, AF point auto switching
AF function customization	17 functions
AF fine adjustment	AF microadjustment (all lenses by same amount, adjust by lens)
AF-assist beam	Emitted by the EOS-dedicated external Speedlite
Exposure Control	
Metering modes	Approx. 360,000-pixel RGB+IR metering sensor and 216-zone TTL open-aperture metering EOS iSA (Intelligent Subject Analysis) system • Evaluative metering (linked to all AF points) • Partial metering (approx. 6.2% of viewfinder at center) • Spot metering (approx. 1.5% of viewfinder at center) * Spot metering and Multi-spot metering linkable to AF point • Center-weighted average metering
Metering brightness range	EV 0 - 20 (at room temperature, ISO 100, with evaluative metering)
Shooting mode	Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure, Bulb exposure, Custom shooting (C1 / C2 / C3)

ISO speed (recommended exposure index)	ISO Auto, ISO 100 - ISO 51200 manual setting (in 1/3- or whole-stop increments) and expandable to L (equivalent to ISO 50), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800), and H3 (equivalent to ISO 409600) provided. * If highlight tone priority is set, the settable ISO speed range will be ISO 200 - ISO 51200.	
ISO speed settings	Still photo shooting range, auto range, auto minimum speed settable	
Exposure compensation	Manual	±5 stops in 1/3- or 1/2-stop increments
	AEB	±3 stops in 1/3- or 1/2-stop increments (can be combined with manual exposure compensation)
AE lock	Auto	Applied in One-Shot AF mode with evaluative metering when focus is achieved
	Manual	By AE lock button
Flicker reduction	Possible	
Multiple Exposures		
Shooting method	Function / control priority, continuous shooting priority	
Number of multiple exposures	2 to 9 exposures	
Multiple-exposure control	Additive, average, bright, dark	
Shutter		
Type	Electronically-controlled, focal-plane shutter	
Shutter Speeds	1/8000sec. - 30sec. (total shutter speed range; available range varies by shooting mode), Bulb, X-sync at 1/250sec.	
Drive System		
Drive modes	Single, high-speed continuous, low-speed continuous, silent single shooting, silent high-speed shooting, silent low-speed shooting, 10-sec. self-timer, 2-sec. self-timer	
Continuous shooting speed	High-speed continuous shooting:	Viewfinder shooting: Maximum approx. 14.0fps (settable within 2fps to 14fps) Live View shooting: Maximum approx. 16.0fps (settable within 2fps to 14fps and 16fps) * With ISO H1 (equivalent to ISO102400) or higher (ISO 32000 or higher if the camera's internal temperature is low), the maximum

		continuous shooting speed during high-speed continuous shooting will be no faster than 10.0fps during viewfinder shooting or 14.0fps during Live View shooting (with Battery Pack LP-E19). * The maximum continuous shooting speed during high-speed continuous shooting may become slower depending on the power source type, battery level, temperature, ISO speed, flicker reduction, shutter speed, aperture, subject conditions, brightness, lens, flash use, shooting function settings, etc. * If "16fps" is set during Live View shooting, flash will not be fired.
	Low-speed continuous shooting:	Approx. 3.0fps (settable within 1fps to 13fps)
	Silent high-speed continuous shooting:	Approx. 5.0fps maximum (settable within 2fps to 5fps)
	Silent low-speed continuous shooting	Approx. 3.0fps maximum (settable within 1fps to 4fps)
Max. burst	JPEG Large:	
	CF card:	Standard: Approx. 140 shots High speed: Full
	CFast card:	Full
	RAW:	
	CF card:	Standard: Approx. 59 shots High speed: Approx. 73 shots
	CFast card:	Approx. 170 shots
	RAW + JPEG Large:	
	CF card:	Standard: Approx.48 shots High speed: Approx. 54 shots
	CFast card:	Approx. 81 shots

	* Based on Canon's standard testing CF card (Standard: 8 GB/High speed: UDMA mode 7, 64 GB) and CFast card (CFast 2.0, 128 GB) and the following testing conditions: Viewfinder shooting, High-speed continuous shooting, JPEG quality 8, ISO 100, and Standard Picture Style. * "Full" indicates that shooting is possible until the card becomes full.
External Speedlite	
Compatible Speedlites	EX-series Speedlites
Flash metering	E-TTL II autoflash
Flash exposure compensation	±3 stops in 1/3- or 1/2-stop increments
FE lock	Provided
PC terminal	Provided
Flash control	Flash function settings, flash C.Fn settings
Live View Shooting	
Focus method	Dual pixel CMOS AF
AF method	Face+Tracking, FlexiZone - Single Manual focusing (approx. 5x and 10x magnification available for focus check) * AF possible with touchscreen operation
Focusing brightness range	EV -3 - 18 (at room temperature, ISO 100)
Metering mode	Evaluative metering (315 zones), Partial metering (approx. 6.5% of Live View screen), Spot metering (approx. 2.8% of Live View screen), Center-weighted average metering
Metering brightness range	EV 0 - 20 (at room temperature, ISO 100, with evaluative metering)
Exposure compensation	±5 stops in 1/3- or 1/2-stop increments
Silent Live View shooting	Provided (Mode 1 and 2)
Grid display	Three types
Movie Shooting	
Recording format	MOV, MP4
Movie	4K:	Motion JPEG
	Full HD:	MPEG-4 AVC/H.264 Variable (average) bit rate
Audio	MOV: Linear PCM, MP4: AAC

Movie recording size	4K (4096x2160), Full HD (1920x1080)	
Frame rate	119.9p / 59.94p / 29.97p / 24.00p / 23.98p (with NTSC) 100.0p / 50.00p / 25.00p / 24.00p (with PAL) * 119.9p / 100.0p: Full HD quality High Frame Rate movie	
Movie recording method/Compression rate	Motion JPEG ALL-I (For editing/I-only), IPB (Standard), IPB (Light) * Motion JPEG and ALL-I available only when MOV is set. * IPB (Light) available only when MP4 is set.	
Bit rate	[MOV]	
	4K (59.94p / 50.00p):	Approx. 800Mbps
	4K (29.97p / 25.00p / 24.00p / 23.98p):	Approx. 500Mbps
	Full HD (119.9p / 100.0p) / ALL-I:	Approx. 360Mbps
	Full HD (59.94p / 50.00p) / ALL-I:	Approx. 180Mbps
	Full HD (59.94p / 50.00p) / IPB:	Approx. 60Mbps
	Full HD (29.97p / 25.00p / 24.00p / 23.98p) / ALL-I:	Approx. 90Mbps
	Full HD (29.97p / 25.00p / 24.00p / 23.98p) / IPB (Standard):	Approx. 30Mbps

	[MP4]	
	Full HD (59.94p / 50.00p) / IPB (Standard):	Approx. 60Mbps
	Full HD (29.97p / 25.00p / 24.00p / 23.98p) / IPB (Standard):	Approx. 30Mbps
	Full HD (29.97p / 25.00p) / IPB (Light):	Approx. 12Mbps
Card performance requirements (Writing / reading speed)	4K (59.94p / 50.00p):	CFast 2.0
	4K (29.97p / 25.00p / 24.00p / 23.98p) CF UDMA 7:	100Mbps or faster / CFast 2.0
	Full HD (119.9p / 100.0p) CF UDMA 7:	100Mbps or faster / CFast 2.0
	Full HD (59.94p / 50.00p) / ALL-I CF UDMA 7:	60Mbps or faster / CFast 2.0
	Full HD (59.94p / 50.00p) / IPB:	30 Mbps or faster

	Full HD (29.97p / 25.00p / 24.00p / 23.98p) / ALL-I:	30 Mbps or faster
	Full HD (29.97p / 25.00p / 24.00p / 23.98p) / IPB (Standard):	10 Mbps or faster
	Full HD (29.97p / 25.00p) / IPB (Light):	10Mbps or faster
Focus method	Dual pixel CMOS AF	
AF method	Face+Tracking, FlexiZone - Single Manual focusing (Approx. 5x and 10x magnification available for focus check)	
Movie servo AF	Possible * Movie Servo AF customizable	
Focusing brightness range	EV -3 - 18 (at room temperature, ISO 100)	
Metering modes	Center-weighted average metering and Evaluative metering with the image sensor * Automatically set by the focus method	
Metering brightness range	EV 0 - 20 (at room temperature, ISO 100, with evaluative metering)	
Exposure control	Autoexposure shooting (Program AE for movie shooting), Shutter-priority AE, Aperture-priority AE, Manual exposure	
Exposure compensation	±3 stops in 1/3- or 1/2-stop increments	
ISO speed: (Recommended exposure index)	[Full HD]	
	P / Tv / Av / B:	Automatically set within ISO 100 - ISO 25600, expandable to H (equivalent to ISO 32000/40000/51200), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800)
	M:	ISO Auto (automatically set within ISO 100 - ISO 25600), ISO 100 - ISO 25600 set manually (in

		1/3- or whole-stop increments), expandable to H (equivalent to ISO 32000/40000/51200), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800)
	[4K]	
	P / Tv / Av / B:	Automatically set within ISO 100 - ISO 12800, expandable to H (equivalent to ISO 16000/20000/25600/32000/ 40000/51200), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800)
	M:	ISO Auto (automatically set within ISO 100 - ISO 12800), ISO 100 - ISO 12800 set manually (in 1/3- or whole-stop increments), expandable to H (equivalent to ISO 16000/20000/25600/32000/40000/51200), H1 (equivalent to ISO 102400), H2 (equivalent to ISO 204800)
ISO speed settings	Range for movie shooting and 4K settable	
Time code	Appendable	
Drop frames	Compatible with 119.9p / 59.94p / 29.97p	
Sound recording	Built-in monaural microphone, external stereo microphone terminal, and line input provided Sound-recording level adjustable, wind filter provided, attenuator provided	
Headphones	Headphone terminal provided, sound volume adjustable	
Grid display	Three types	
Still photo shooting	Not possible during movie shooting	
2-image display	LCD monitor and HDMI output can be displayed simultaneously.	
HDMI output	Image without information can be output. * Auto / 59.94i/50.00i / 59.94p/50.00p / 23.98p selectable. * When [24.00p: Enable] is set, the movie image is output at 24.00p via HDMI. *Time code appendable	
Accessory mount	Bottom equipped with positioning hole to prevent rotation	
LCD Monitor		
Type	TFT color, liquid-crystal monitor	
Monitor size and dots	Width 3.2in. (3:2) with approx. 1.62 million dots	

Brightness adjustment	Manual (7 levels)
Electronic level	Provided
Interface languages	25
Touchscreen	Capacitive sensing * Works to move the AF point during Live View and movie shooting (AF enabled), and with magnified view.
Help display	Possible
Camera System information	Provided
Playback	
Image display formats	Single-image display (without shooting information), Single-image display (with basic information), Single-image display (Shooting information displayed: Detailed information, Lens/histogram, White balance, Picture Style 1, Picture Style 2, Color space/noise reduction, Lens aberration correction 1, Lens aberration correction 2, GPS information), Index display (4/9/36/100 images)
Highlight alert	Overexposed highlights blink
AF point display	Provided (may not be displayed depending on shooting conditions)
Grid display	Three types
Magnified view	Approx. 1.5x - 10x, initial magnification and position settable
Image browsing methods	Single image, Jump by 10 or 100 images, By shooting date, By folder, By movies, By stills, By protected images, By rating
Image rotate	Provided
Image protection	Provided
Ratings	Provided
Voice memo	Recording / Playback possible
Movie playback	Enabled (LCD monitor, HDMI), built-in speaker provided
Start / end movie scene editing	Possible
4K Frame Grab	Frame Grab can be saved as JPEG image
Slide show	All images, By date, By folder, By movies, By stills, By protected images, By rating
Copying images	Possible
Post-Processing of Images	
In-camera RAW image processing	Brightness adjustment, White balance, Picture Style, Auto Lighting Optimizer, High ISO speed noise reduction, JPEG

	image-recording quality, Color space, Lens aberration correction (Peripheral illumination correction, Distortion correction, Digital lens optimizer, Chromatic aberration correction, Diffraction correction)
Resize	Provided
Cropping	Provided
Image Transfer	
Transferrable files	Still photos (JPEG, RAW, RAW+JPEG images), Movies
Print Ordering	
DPOF	Version 1.1 compliant
GPS Function	
Compatible satellites	GPS satellites (USA), GLONASS satellites (Russia), Quasi-Zenith Satellite System (QZSS) MICHIBIKI (Japan)
GPS Wired LAN	
Ethernet	1000BASE-T, 100BASE-TX, 10BASE-T
Security	IPsec
FTP transfer	Automatic transfer, image selection and transfer, transfer using SET button, transfer with captions * FTPS supported
EOS Utility	EOS Utility remote control functions over wired LAN
WFT Server	Camera control, simple control Image viewing and downloading
Smartphone	Images can be viewed, controlled, and received using a smartphone. Remote control of the camera using a smartphone is possible.
Synchronizing camera time	Syncing up to 10 slave cameras to the master camera time Margin of error with master camera: Approx. ±0.05 seconds * Synchronize the camera time between the same camera models
Signal reception modes	Mode 1, Mode 2
Geotag information appended to image	Latitude, Longitude, Elevation, Coordinated Universal Time (UTC), Satellite signal acquisition status
Position update interval	1 sec., 5sec., 10sec., 15sec., 30sec., 1min., 2min., 5min.
Time setting	GPS time data set to camera
Log data	One file per day, NMEA format * Change in time zone creates another file.

	* The log data saved in internal memory can be transferred to a card or downloaded to a computer as a log file.
Log data deletion	Possible
Customization Features	
Custom Functions	34
Custom Quick Control	Provided
Saving camera settings	Up to ten settings can be registered on a card
Custom shooting modes	Register under C1, C2, or C3
My Menu	Up to 5 screens can be registered
Copyright information	Text entry and appending possible
Interface	
Digital terminal	SuperSpeed USB (USB 3.0) Computer communication, Connect Station CS100 connection
HDMI mini OUT terminal	Type C (Auto switching of resolution), CEC-compatible
External microphone input/Line input terminal	3.5mm diameter stereo mini-jack
Headphone terminal	3.5mm diameter stereo mini-jack
Remote control terminal	For N3-type remote control units
Ethernet terminal	RJ-45 terminal, gigabit Ethernet compatible
System extension terminal	Wireless File Transmitter WFT-E8/WFT-E6 connection
Power	
Battery	Battery Pack LP-E19/LP-E4N/LP-E4, quantity 1 * AC power usable with household power outlet accessories.
Battery information	Power source, Battery level, Shutter count, Recharge performance indicated
Number of possible shots	With viewfinder shooting:	Approx. 1210 shots at room temperature (23°C / 73°F), approx. 1020 shots at low temperatures (0°C / 32°F)
	With Live View shooting:	Approx. 260 shots at room temperature (23°C / 73°F), approx. 240 shots at low temperatures (0°C / 32°F) * With a fully-charged Battery Pack LP-E19.
Movie shooting time	Total approx. 2 hr. 20min. at room temperature (23°C / 73°F) Total approx. 2 hr. at low temperatures (0°C / 32°F) * With a fully-charged Battery Pack LP-E19, Movie Servo AF	

	disabled, and Full HD 29.97p / 25.00p / 24.00p / 23.98p IPB (Standard)
Dimensions and Weight	
Dimensions (W x H x D)	Approx. 158.0 x 167.6 x 82.6mm / 6.22 x 6.60 x 3.25in.
Weight	Approx. 1530g / 53.97oz. (Based on CIPA Guidelines) Approx. 1340g / 47.27oz. (Body only)
Operation Environment	
Working temperature range	0°C - 45°C / 32°F - 113°F
Working humidity	85% or less
Battery Pack LP-E19	
Type	Rechargeable lithium-ion battery
Rated voltage	10.8V DC
Battery capacity	2700mAh

Working temperature range	During recharging:	5°C - 40°C / 41°F - 104°F
	During shooting:	0°C - 45°C / 32°F - 113°F

Working humidity	85% or less
Dimensions (W x H x D)	Approx. 68.45 x 34.2 x 92.8mm / 2.69 x 1.35 x 3.65in.
Weight	Approx. 185g / 6.53oz. (excluding protective cover)
Battery Charger LC-E19	
Compatible battery packs	Battery Pack LP-E19 / LP-E4N / LP-E4
Recharge time (at room temperature):	LP-E19: Approx. 2 hr. 50min. per battery LP-E4N / LP-E4: Approx. 2 hr. 20min. per battery
Rated input	100 - 240V AC (50/60Hz)
Rated output	12.6V DC, 1.63A
Power cord	Approx. 2.0m / 6.6ft.
Working temperature range	5°C - 40°C / 41°F - 104°F
Working humidity	85% or less
Dimensions (W x H x D)	Approx. 155.0 x 51.0 x 95.0mm / 6.10 x 2.01 x 3.74in.
Weight	Approx. 335g / 11.82oz. (excluding power cord and protective covers)

#