

Operating

Type		
Type	Digital, single-lens reflex, AF / AE camera with built-in flash	
Recording media	CF cards (Type I, UDMA 7 supported) SD / SDHC* / SDXC* memory cards * UHS-I cards compatible.	
Image sensor size	Approx. 22.4 x 15.0mm	
Compatible lenses	Canon EF lenses (including EF-S lenses) * Excluding EF-M lenses (35mm-equivalent focal length is approx. 1.6 times the focal length indicated on the lens)	
Lens Mount	Canon EF mount	
Image Sensor		
Type	CMOS sensor	
Effective pixels:	Approx. 20.20 megapixels * Rounded off to the nearest 10,000th.	
Aspect ratio	3:2	
Dust deletion 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	
File size	L (Large):	Approx. 20.0 megapixels (5472 x 3648)
	M (Medium):	Approx. 8.90 megapixels (3648 x 2432)
	S1 (Small 1):	Approx. 5.0 megapixels (2736 x 1824)
	S2 (Small 2):	Approx. 2.50 megapixels (1920 x 1280)
	S3 (Small 3):	Approx. 350,000 pixels (720 x 480)
	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 functions	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	
Picture Style	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1 - 3
White balance	Auto, Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom, Color temperature setting (approx. 2500-10000 K), White balance correction, and White balance bracketing provided * Flash color temperature information transmission possible
Noise reduction	Applicable to long exposures and high ISO speed shots
Automatic image brightness correction	Auto Lighting Optimizer provided
Highlight tone priority	Provided
Lens aberration correction	Peripheral illumination correction, Chromatic aberration correction, Distortion correction
Anti-flicker	Possible
Viewfinder	
Type	Eye-level pentaprism
Coverage	Vertical / Horizontal approx. 100% (with Eye point approx. 22mm)
Magnification	Approx. 1.00x (-1 m ⁻¹ with 50mm lens at infinity)
Eyepoint	Approx. 22mm (from eyepiece lens center at -1 m ⁻¹)
Built-in dioptic adjustment	Approx. -3.0 - +1.0 m ⁻¹ (dpt)
Focusing screen	Eh-A standard screen, interchangeable
Grid display	Provided
Electronic level	Provided
Function setting display	Shooting mode, White balance, Drive mode, AF operation, Metering mode, Image quality: JPEG / RAW, Flicker detection, Warning symbol !, AF status
Mirror	Quick-return type
Depth-of-field preview	Provided
Autofocus	
Type	TTL secondary image-registration, phase-difference detection with the dedicated AF sensor
AF Points	65 (Cross-type AF point: Max. 65 points) * Number of available AF points, cross-type points, and Dual cross-type points vary depending on the lens.

	* Dual cross-type focusing at f/2.8 with center AF point. (Excluding some lenses with f/2.8 or larger maximum aperture)	
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, AI Focus AF, Manual focusing (MF)	
AF area selection mode	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), 65-point 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 Custom Functions	17 functions	
AF fine adjustment	AF Microadjustment (All lenses by same amount or Adjust by lens)	
AF-assist beam:	Small series of flashes fired by built-in flash	
Exposure Control		
Metering Modes	Approx. 150,000-pixel RGB+IR metering sensor and 252-zone TTL metering at max. aperture EOS iSA (Intelligent Subject Analysis) system <ul style="list-style-type: none"> • Evaluative metering (linked to all AF points) • Partial metering (approx. 6% of viewfinder at center) • Spot metering (approx. 1.8% of viewfinder at center) • Center-weighted average metering 	
Brightness metering range	EV 0 - 20 (at room temperature, ISO 100)	
Exposure control	Program AE (Scene Intelligent Auto, Program), Shutter-priority AE, Aperture-priority AE, Manual exposure, Bulb exposure	
ISO speed (Recommended exposure index)	Scene Intelligent Auto:	ISO 100 - ISO 6400 set automatically P, Tv, Av, M, B: Auto ISO, ISO 100 - ISO 16000 (in 1/3- or whole-stop

		increments), or ISO expansion to H1 (equivalent to ISO 25600) or H2 (equivalent to ISO 51200)
ISO speed settings	ISO speed range, Auto ISO range, and Auto ISO minimum shutter 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
Interval timer	Shooting interval and shot count settable	
Bulb timer	Bulb exposure time settable	
HDR Shooting		
Dynamic range adjustment	Auto, ±1, ±2, ±3	
Effects	Natural, Art standard, Art vivid, Art bold, Art embossed	
Auto image align	Provided	
Multiple Exposures		
Shooting methods	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	1/8000 sec. to 30sec. (total shutter speed range; available range varies by shooting mode), Bulb, X-sync at 1/250sec.	
Drive System		
Drive modes	Single shooting, High-speed continuous shooting, Low-speed continuous shooting, Silent single shooting, Silent continuous shooting, 10-sec. self-timer/remote control, 2-sec. self-timer / remote control	
Continuous shooting speed	High-speed continuous shooting:	Max. approx. 10.0 shots/sec. (settable to 10 to 2 shots/sec.) * Max. approx. 9.5 shots/sec. with EOS iTR AF.

	Low-speed continuous shooting:	Approx. 3.0 shots/sec. (settable to 9 to 1 shots/sec.)
	Silent continuous shooting:	Approx. 4.0 shots/sec. (settable to 4 to 1 shots/sec.)
Max. burst	JPEG Large / Fine:	Approx. 130 shots (approx. 1090 shots)
	RAW:	Approx. 24 shots (approx. 31 shots)
	RAW+JPEG Large/Fine: Approx. 18 shots (approx. 19 shots) * Figures are based on Canon's testing standards (Aspect ratio: 3 x 2, ISO 100 and Standard Picture Style) and an 8 GB CF card. * Figures in parentheses apply to an UDMA mode 7, CF card based on Canon's testing standards.	
Flash		
Built-in flash	Retractable, auto pop-up flash	
	Guide number:	Approx. 11/36.1 (ISO 100, in meters/feet)
	Flash coverage:	Approx. 15mm lens angle of view
	Recycling time:	Approx. 3 sec.
External Speedlite	Compatible with 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	Built-in flash function settings, External Speedlite function settings, External Speedlite Custom Function settings Wireless flash control via optical transmission possible	
Live View Shooting		
Focus methods	Dual Pixel CMOS AF system/Contrast-detection AF system (Face+Tracking, FlexiZone-Multi, FlexiZone-Single), Manual focus (approx. 5x and 10x magnified view possible for focus check)	
Continuous AF	Provided	
Focusing brightness range	EV 0 - 18 (at room temperature, ISO 100)	
Metering modes	Evaluative metering (315 zones), Partial metering (approx. 10% of Live View screen), Spot metering (approx. 2.6% of Live View screen), Center-weighted average metering	

Brightness metering range	EV 0 - 20 (at room temperature, ISO 100)	
Aspect ratio	3:2, 4:3, 16:9, 1:1	
Silent shooting	Provided (Mode 1 and 2)	
Grid display	3 types	
External Speedlite		
Zooming to Match Lens Focal Length	Provided	
Compatible flash	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	
External flash settings	Flash function settings, Flash C.Fn settings	
Live View Functions		
Focus methods	Dual Pixel CMOS AF system/Contrast-detection AF system (Face+Tracking, FlexiZone-Multi, FlexiZone-Single), Manual focus (approx. 5x and 10x magnified view possible for focus check)	
Continuous AF	Provided	
Focusing brightness range	EV 0 - 18 (at room temperature, ISO 100)	
Metering modes	Evaluative metering (315 zones), Partial metering (approx. 10% of Live View screen), Spot metering (approx. 2.6% of Live View screen), Center-weighted average metering	
Brightness metering range	EV 0 - 20 (at room temperature, ISO 100)	
Aspect ratio	3:2, 4:3, 16:9, 1:1	
Silent shooting	Provided (Mode 1 and 2)	
Grid display	3 types	
Movie shooting		
Recording format	MOV / MP4	
Movie	MPEG-4 AVC / H.264 Variable (average) bit rate	
Audio	MOV:	Linear PCM
	MP4:	AAC
Recording size and frame rate	Full HD (1920x1080):	59.94p / 50.00p / 29.97p / 25.00p / 24.00p / 23.98p
	HD (1280x720):	59.94p / 50.00p / 29.97p / 25.00p

	SD (640x480):	29.97p / 25.00p
Compression method	ALL-I (For editing / I-only), IPB (Standard), IPB (Light) * IPB (Light) is for MP4 only.	
File size	[MOV]	
	Full HD (59.94p / 50.00p) / IPB (Standard):	Approx. 440MB/min.
	Full HD (29.97p / 25.00p / 24.00p / 23.98p) / ALL-I:	Approx. 654MB/min.
	Full HD (29.97p / 25.00p / 24.00p / 23.98p) / IPB (Standard):	Approx. 225MB/min.
	HD (59.94p / 50.00p) / ALL-I	Approx. 583MB/min.
	HD (59.94p / 50.00p) / IPB (Standard):	Approx. 196MB/min.
	SD (29.97p / 25.00p) / IPB (Standard):	Approx. 75MB/min.
	[MP4]	
	Full HD (59.94p / 50.00p) / IPB (Standard):	Approx. 431MB/min.
	Full HD (29.97p / 25.00p / 24.00p / 23.98p) / ALL-I:	Approx. 645MB/min.
	Full HD (29.97p / 25.00p / 24.00p / 23.98p) / IPB (Standard):	Approx. 216MB/min.
	Full HD (29.97p / 25.00p) / IPB (Light):	Approx. 87MB/min.
	HD (59.94p / 50.00p) / ALL-I:	Approx. 574MB/min.

	HD (59.94p / 50.00p) / IPB (Standard):	Approx. 187MB/min.
	HD (29.97p / 25.00p) / IPB (Light):	Approx. 30MB/min.
	SD (29.97p / 25.00p) / IPB (Standard):	Approx. 66MB/min.
	SD (29.97p / 25.00p) / IPB (Light):	Approx. 23MB/min.
Card requirements (Writing / reading speed)	[CF card] ALL-I: 30 MB/sec. or faster IPB (Standard), Full HD 59.94p/50.00p: 30 MB/sec. or faster IPB (Standard), other than above: 10 MB/sec. or faster IPB (Light): 10 MB/sec. or faster (MP4 only) [SD card] ALL-I: 20 MB/sec. or faster IPB (Standard), Full HD 59.94p/50.00p: 20 MB/sec. or faster IPB (Standard), other than above: 6 MB/sec. or faster IPB (Light): 4 MB/sec. or faster (MP4 only)	
Focus methods	Same as focusing with Live View shooting Movie Servo AF customizable	
Metering modes	Center-weighted average and Evaluative metering with the image sensor * Automatically set by the focus method.	
Brightness metering range	EV 0 - 20 (at room temperature, ISO 100)	
Exposure control:	Autoexposure shooting (Program AE for movie shooting), Shutter-priority AE, Aperture-priority AE, Manual exposure	
Exposure compensation	±3 stops in 1/3-stop or 1/2-stop increments	
ISO speed (Recommended exposure index)	Scene Intelligent Auto, Tv: Automatically set within ISO 100 - ISO 16000 P, Av, B: Automatically set within ISO 100 - ISO 16000, expandable to H1 (equivalent to ISO 25600) M: Auto ISO (automatically set within ISO 100 - ISO 16000), ISO 100 - ISO 16000 set manually (in 1/3- or whole-stop increments), expandable to H1 (equivalent to ISO 25600)	
Time code	Supported	
Drop frames	Compatible with 59.94p / 29.97p	

Sound recording	Built-in monaural microphone, external stereo microphone terminal provided Sound-recording level adjustable, wind filter provided, attenuator provided
Headphones	Headphone socket provided and volume adjustment possible
Grid display	3 types
Still photo shooting	Possible * Except when set to Full HD 59.94p / 50.00p
2-screen display	LCD monitor and HDMI output movie displayable simultaneously
HDMI output	Movie without information display can also be output. * Auto / 59.94i / 50.00i / 59.94p / 50.00p / 23.98p selectable
LCD Monitor	
Type	TFT color, liquid-crystal monitor
Monitor size and dots	Wide 7.7cm (3.0-in) (3:2) with approx. 1.04 million dots
Brightness adjustment	Auto (Dark, Standard, Bright), Manual (7 levels)
Electronic level:	Provided
Interface languages	25
Help display:	Possible
Playback	
Image display formats	Single-image display (without shooting information), Single-image display (with simple information), Single-image display (Shooting information displayed: Detailed information, Lens / histogram, White balance, Picture Style, Color space / noise reduction, Lens aberration correction, GPS), Index display (4/9/36/100 images), Two-image display
Highlight alert	Overexposed highlights blink
AF point display	Provided
Grid display	3 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 rotation	Provided
Rating	Provided

Movie playback	Enabled (LCD monitor, HDMI) Built-in speaker
Slide show	All images, By date, By folder, By movies, By stills, By protected images, By rating
Image protection	Possible
Copying images	Possible
Post-Processing of Images	
In-camera RAW image processing	Brightness correction, White balance, Picture Style, Auto Lighting Optimizer, High ISO speed noise reduction, JPEG image-recording quality, Color space, Peripheral illumination correction, Distortion correction, Chromatic aberration correction
Resize	Provided
Direct Printing	
Compatible printers	PictBridge-compatible printers
Printable images	JPEG and RAW images
Print ordering	DPOF Version 1.1 compliant
Image Transfer	
Transferrable files	Still photos (JPEG, RAW, RAW+JPEG images), Movies
GPS Function	
Compatible satellites	GPS satellites (USA), GLONASS satellites (Russia), Quasi-Zenith Satellite System (QZSS) "MICHIBIKI" (Japan)
Geotag information appended to image	Latitude, Longitude, Elevation, Direction, Coordinated Universal Time (UTC), satellite signal condition
Geotag updating interval	1sec., 5sec., 10sec., 15sec., 30sec., 1min., 2min., 5min.
Time setting	GPS time data set to camera
Digital compass	Three-axis geomagnetic sensor and three-axis accelerometer sensor used for orientation sensing
Log data	One file per day, NMEA format * Changing the time zone creates another file. * The log data saved in internal memory as a log file can be transferred to a card or downloaded to a computer.
Log data deletion	Possible
Customization Functions	
Custom Functions	18
My Menu	Up to 5 screens can be registered

Custom shooting modes	Register under Mode Dial's C1, C2, or C3	
Copyright information	Text entry and inclusion enabled	
Interface		
DIGITAL terminal	SuperSpeed USB (USB 3.0) Computer communication, direct printing, Wireless File Transmitter WFT-E7 (Ver. 2) connection	
HDMI mini OUT terminal	Type C (Auto switching of resolution), CEC-compatible	
External microphone IN terminal	3.5mm diameter stereo mini-jack	
Headphone terminal	3.5mm diameter stereo mini-jack	
Remote control terminal	For N3-type remote control units	
Wireless remote control	Compatible with Remote Controller RC-6	
Eye-Fi card	Supported	
Power		
Battery	Battery Pack LP-E6N/LP-E6, quantity 1 * AC power can be supplied via AC Adapter Kit ACK-E6. * With Battery Grip BG-E16 attached, size-AA/LR6 batteries can be used.	
Battery information	Remaining capacity, Shutter count, Recharge performance, and Battery registration possible	
Number of possible shots (Based on CIPA testing standards)	With viewfinder shooting:	Approx. 670 shots at 23°C / 73°F, approx. 640 shots at 0°C / 32°F
	With Live View shooting:	Approx. 250 shots at 23°C / 73°F, approx. 240 shots at 0°C / 32°F
Movie shooting time	Approx. 1hr. 40min. at 23°C / 73°F Approx. 1hr. 30min. at 0°C / 32°F * With a fully-charged Battery Pack LP-E6N.	
Dimensions and Weight		
Dimensions (W x H x D)	Approx. 148.6 x 112.4 x 78.2mm / 5.85 x 4.43 x 3.08in.	
Weight	Approx. 910g / 32.10oz. (Based on CIPA Guidelines) Approx. 820g / 28.92oz. (Body only)	
Operating Environment		
Working temperature range	0°C - 40°C / 32°F - 104°F	
Working humidity	85% or less	
Battery Pack LP-E6N		
Type	Rechargeable lithium-ion battery	

Rated voltage	7.2 V DC	
Battery capacity	1865 mAh	
Working temperature range	0°C - 40°C / 32°F - 104°F	
Working humidity	85% or less	
Dimensions (W x H x D)	Approx. 38.4 x 21.0 x 56.8mm / 1.5 x 0.8 x 2.2in.	
Weight	Approx. 80g / 2.82oz. (excluding protective cover)	
Battery Charger LC-E6		
Compatible battery	Battery Pack LP-E6N / LP-E6	
Recharging time	Approx. 2hr. 30min.	
Rated input	100 - 240 V AC (50 / 60 Hz)	
Rated output	8.4 V DC / 1.2 A	
Working temperature range	5°C - 40°C / 41°F - 104°F	
Working humidity	85% or less	
Dimensions (W x H x D):	Approx. 69.0 x 33.0 x 93.0mm / 2.7 x 1.3 x 3.7in.	
Weight	Approx. 130g / 4.6oz.	
Battery Charger LC-E6E		
Compatible battery	Battery Pack LP-E6N / LP-E6	
Power cord length	Approx. 1m / 3.3ft.	
Recharging time	Approx. 2hr. 30min.	
Rated input	100 - 240 V AC (50 / 60 Hz)	
Rated output	8.4 V DC / 1.2 A	
Working temperature range	5°C - 40°C / 41°F - 104°F	
Working humidity	85% or less	
Dimensions (W x H x D)	Approx. 69.0 x 33.0 x 93.0mm / 2.7 x 1.3 x 3.7in.	
Weight	125 g / 4.4 oz. (excluding power cord)	
EF-S18-135mm f/3.5-5.6 IS STM		
Focal length / Speed	18 -135mm / f/3.5-5.6	
Lens construction	16 elements in 12 groups	
Minimum aperture	f/22 - 36 * f/22-38 when 1/2 stop increments set for aperture	
Angle of view	Diagonal extent:	74°20' - 11°30'

	Vertical extent:	45°30' - 6°20'
	Horizontal extent:	64°30' - 9°30'
Angle of view	0.39m / 1.28ft.	
Max. magnification	0.28x (at 135 mm focal length)	
Field of view	Approx. 248 x 372 - 53 x 80mm / 9.8 x 14.6 - 2.1 x 3.1in. (at 0.39m / 1.28ft.)	
Filter size	67mm	
Max. diameter x length	Approx. 76.6 x 96.0mm / 3.0 x 3.8in.	
Weight	Approx. 480g / 16.9oz.	
Hood	EW-73B (sold separately)	
Lens cap	E-67 II	
Case	LP1116 (sold separately)	
EF-S15-85mm f/3.5-5.6 IS USM		
Focal length / Speed	15 - 85mm / f/3.5-5.6	
Lens construction	17 elements in 12 groups	
Minimum aperture	f/22 - 36 * f/22-38 when 1/2 stop increments set for aperture	
Angle of view	Diagonal extent:	84°30' - 18°25'
	Vertical extent:	53°30' - 10°25'
	Horizontal extent:	74°10' - 15°25'
Closest focusing distance	0.35m / 1.15ft.	
Max. magnification	0.21x (at 85mm focal length)	
Field of view	Approx. 255 x 395 - 75 x 108 / 10.0 x 15.6 - 3.0 x 4.3in. (at 0.35m / 1.15ft.)	
Filter size	72mm	
Max. diameter x length	Approx. 81.6 x 87.5mm / 3.2 x 3.4in.	
Weight	Approx. 575g / 20.3oz.	
Hood	EW-78E (sold separately)	
Lens cap	E-72 II	
Case	LP1116 (sold separately)	

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