

Type		
Type	Digital, single-lens reflex, AF / AE camera	
Recording media	CF cards (Type I, UDMA 7 supported) SD / SDHC* / SDXC* memory cards * UHS-I cards compatible.	
Image sensor size	Approx. 36.0 x 24.0mm	
Compatible lenses	Canon EF lenses * Excluding EF-S and EF-M lenses (35mm-equivalent lens focal length is as indicated on the lens)	
Lens mount	Canon EF mount	
Image Sensor		
Type	CMOS sensor	
Effective pixels	Approx. 50.6 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	
Pixels recorded (With full-frame)	L (Large):	Approx. 50.3 megapixels (8688 x 5792)
	M1 (Medium 1):	Approx. 39.3 megapixels (7680 x 5120)
	M2 (Medium 2):	Approx. 22.1 megapixels (5760 x 3840)
	S1 (Small 1):	Approx. 12.4 megapixels (4320 x 2880)
	S2 (Small 2):	Approx. 2.5 megapixels (1920 x 1280)
	S3 (Small 3):	Approx. 0.35 megapixels (720 x 480)
	RAW:	Approx. 50.3 megapixels (8688 x 5792)
	M-RAW:	Approx. 28.0 megapixels (6480 x 4320)
S-RAW:	Approx. 12.4 megapixels (4320 x 2880)	

Crop / aspect ratio	Crop shooting and shooting with the set aspect ratio possible Full-frame / Approx. 1.3x (crop) / Approx. 1.6x (crop) / 1:1 (aspect ratio) / 4:3 (aspect ratio) / 16:9 (aspect ratio)
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, Colour temperature setting (approx. 2500-10000 K), White balance correction, and White balance bracketing provided * Flash colour temperature information transmission possible
Noise reduction	Applicable to long exposures and high ISO speed shots
Auto image brightness correction	Auto Lighting Optimizer provided
Highlight tone priority	Provided
Lens aberration correction	Peripheral illumination correction, Chromatic aberration correction
Viewfinder	
Type	Eye-level pentaprism
Coverage	Vertical / Horizontal approx. 100% (with Eye point approx. 21mm, full-frame)
Magnification	Approx. 0.71x (-1 m ⁻¹ with 50mm lens at infinity)
Eyepoint	Approx. 21mm (from eyepiece lens center at -1 m ⁻¹)
Built-in dioptic adjustment	Approx. -3.0 - +1.0 m ⁻¹ (dpt)
Focusing screen	Fixed
Grid display	Provided
Electronic level display	Provided

Function setting display	Battery, White balance, Drive mode, AF operation, Metering mode, Image quality: JPEG / RAW, Flicker detection, Warning symbol!
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	61 (Cross-type AF point: Max. 41 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 5 AF points vertically aligned at the center. (AF group: When Group A lenses are used)
Focusing brightness range	EV -2 - 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), 61-point automatic selection AF
Condition of AF point automatic selection	Based on EOS iTR AF setting (Enables AF incorporating human face / colour 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	16 functions
AF fine adjustment	AF Microadjustment (All lenses by the same amount, Adjust by lens)
AF-assist beam	Emitted by the EOS-dedicated external Speedlite
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. 6.1% of viewfinder at center) • Spot metering (approx. 1.3% of viewfinder at center) • Center-weighted average metering
Metering brightness 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 3200 set automatically P, Tv, Av, M, B: Auto ISO, ISO 100 - ISO 6400 (in 1/3- or whole-stop increments), or ISO expansion to L (equivalent to ISO 50) or H (equivalent to ISO 12800)
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
Anti-flicker	Possible
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 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	1/8000 sec. to 30 sec. (total shutter speed range; available range varies by shooting mode), Bulb, X-sync at 1/200 sec.

Drive System		
Drive mode	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. 5.0 shots/sec.
	Low-speed continuous shooting:	Max. approx. 3.0 shots/sec.
	Silent continuous shooting:	Max. approx. 3.0 shots/sec.
Max. burst (With full-frame):	JPEG Large / Fine:	Approx. 31 shots (approx. 510 shots)
	RAW:	Approx. 12 shots (approx. 14 shots)
	RAW+JPEG Large / Fine:	Approx. 12 shots (approx. 12 shots)
	* Figures are based on Canon's testing standards (ISO 100 and Standard Picture Style) and an 8 GB CF card. * Figures in parentheses apply to an UDMA mode 7, with a CF card based on Canon's testing standards.	
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 Shootings		
Focus method	Contrast-detection AF system (Face+Tracking, FlexiZone-Single)	
	Manual focus (approx. 6x and 16x magnified view possible for focus)	
Continuous AF	Provided	
Focusing brightness range	EV 0 - 18 (at room temperature, ISO 100)	

Metering modes	Evaluative metering (315 zones), Partial metering (approx. 6.4% 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)	
Silent shooting	Provided (Mode 1 and 2)	
Grid display	3 types	
Movie Shooting		
Recording format	MOV	
Movie	MPEG-4 AVC / H.264 Variable (average) bit rate	
Audio	Linear PCM	
Recording size and frame rate	Full HD (1920x1080)	29.97p / 25.00p / 23.98p
	HD (1280x720)	59.94p / 50.00p
	VGA (640x480)	29.97p / 25.00p
Compression method	ALL-I (For editing / I-only), IPB (Standard)	
File size	Full HD (29.97p / 25.00p / 23.98p) / ALL-I:	Approx. 654 MB/min.
	Full HD (29.97p / 25.00p / 23.98p) / IPB (Standard):	Approx. 225 MB/min.
	HD (59.94p / 50.00p) / ALL-I:	Approx. 583 MB/min.
	HD (59.94p / 50.00p) / IPB (Standard):	Approx. 196 MB / min. (29.97p / 25.00p) / IPB (Standard)
	VGA:	Approx. 78 MB/min.
Card requirements (Writing/reading speed)	CF card	ALL-I: 30 MB/sec. or faster, IPB: 10 MB/sec. or faster
	SD card	ALL-I: 20 MB/sec. or faster, IPB: 6 MB/sec. or faster

Focus Method	Contrast-detection AF system (Face+Tracking, FlexiZone-Single) Manual focus (approx. 6x and 16x magnified view possible for focus check)	
Movie servo AF	Possible	
Focusing brightness range	EV 0 - 18 (at room temperature, ISO 100)	
Metering mode	Center-weighted average and Evaluative metering with the image sensor * Automatically set by the focus method.	
Metering brightness 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 6400	
	P, Av, B	Automatically set within ISO 100 - ISO 6400, expandable to H (equivalent to ISO 12800)
	M:	Auto ISO (automatically set within ISO 100 - ISO 6400), ISO 100 - ISO 6400 set manually (in 1/3- or whole-stop increments), expandable to H (equivalent to ISO 12800)
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	
Grid display	3 types	
Time-lapse movie	Shooting interval and number of shots settable Required shooting time period, playback length, and remaining card capacity viewable	
Still photo shooting	Possible	
LCD Monitor		
Type	TFT colour, liquid-crystal monitor	

Monitor size and dots	Wide 8.1cm (3.2in) (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 1, Picture Style 2, Colour space / noise reduction, Lens aberration correction), 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 ⁻¹ 6x, 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
Ratings	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 protect	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, Colour space, Peripheral illumination correction, Distortion correction, Chromatic aberration correction
Resize	Provided
Cropping	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	
Custom Functions		
Custom functions	16	
Custom Quick Control	Provided	
My menu	Up to 5 screens can be registered	
Custom shooting mode	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), GPS Receiver GP-E2, Connect Station CS100 connection	
HDMI mini OUT terminal	Type C (Auto switching of resolution), CEC-compatible	
External microphone IN 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-E11 attached, AA / R6 batteries can be used.	
Number of possible shots	With viewfinder shooting	Approx. 700 shots at 23°C / 73°F, Approx. 660 shots at 0°C / 32°F
	With Live View shooting	Approx. 220 shots at 23°C / 73°F, Approx. 210 shots at 0°C / 32°F
	* With a fully-charged Battery Pack LP-E6N.	

Movie shooting time	At 23°C / 73°F	Total approx. 1hr. 30min
	At 0°C / 32°F	Total approx. 1hr. 25min
	* With a fully-charged Battery Pack LP-E6N.	
Dimensions and Weight	Approx. 152.0 x 116.4 x 76.4mm / 5.98 x 4.58 x 3.01in.	
Dimensions (W x H x D)	Approx. 930g / 32.80oz. (Based on CIPA Guidelines)	
Weight	Approx. 845g / 29.80oz. (Body only)	
Operation 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	7.2V DC	
Battery capacity	1865mAh	
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 / 1.51 x 0.83 x 2.24in.	
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 - 240V AC (50 / 60Hz)	
Rated Output	8.4V DC / 1.2A	
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 - 240V AC (50/60 Hz)	

Rated Output	8.4 VDC / 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. 125g / 4.4oz. (excluding power cord)

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