Type	
Type	Digital, single-lens reflex, AF/AE camera with built-in flash
Recording media	SD memory card, SDHC memory card, SDXC memory card
Image sensor size	Approx. 22.3 x 14.9mm
Compatible lenses	Canon EF lenses (including EF-S lenses) * Excluding EF-M lenses(35mm-equivalent angle of view is that of a lens with approx. 1.6x the focal length indicated.)
Lens mount	Canon EF mount
Image Sensor	
Type	CMOS sensor
Effective pixels	Approx. 18.0 megapixels
Aspect ratio	3:2
Dust delete feature	Dust Delete Data appending, Clean manually
Recording System	
Recording format	Design rule for Camera File System (DCF) 2.0
Image type	JPEG, RAW (14-bit Canon original) RAW+JPEG Large simultaneous recording possible

Pixels recorded		
Pixels recorded	L (Large):	Approx. 17.9 megapixels (5184 x 3456)
	M (Medium):	Approx. 8.0 megapixels (3456 x 2304)
	S1 (Small 1):	Approx. 4.5 megapixels (2592 x 1728)
	S2 (Small 2):	Approx. 2.5 megapixels (1920 x 1280)
	S3 (Small 3):	Approx. 350,000 pixels (720 x 480)
	RAW:	Approx. 17.9 megapixels (5184 x 3456)

Create/select a folder	Possible
File numbering	Continuous, Auto reset, Manual reset
Image Processing During Shooting	
Picture Style	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Def. 1 - 3

Basic+	Ambience-based shots, Light/scene-based shots
White balance	Auto (Ambience priority), Auto (White priority), Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom White balance correction, and White balance bracketing provided * Flash color temperature information transmission enabled
Noise reduction	Applicable to long exposures and high ISO speed shots
Automatic imagebrightness correction	Auto Lighting Optimizer
Highlight tone priority	Provided
Lens peripheral illumination correction	Provided
Viewfinder	
Type	Eye-level pentamirror
Coverage	Vertical/Horizontal approx. 95% (with eyepoint approx. 21mm)
Magnification	Approx. 0.8x ($-1m^{-1}$ with 50mm lens at infinity)
Eye point	Approx. 21mm (from eyepiece lens center at $-1m^{-1}$)
Diopric adjustment range	Approx. -2.5 - +0.5m^{-1} (dpt)
Focusing screen	Fixed, Precision Matte
Mirror	Quick-return type
Depth-of-field preview	Enabled with Custom Function setting
Autofocus (for viewfinder shooting)	
Type	TTL secondary image-registration, phase-difference detection
AF points	9-point (Cross-type AF sensitive to f/5.6 with center AF point)
Focusing brightness range	EV 0 - 18 (Center AF point) EV 1 - 18 (Other AF points) (With One-Shot AF, at room temperature, ISO 100)
AF operation	One-Shot AF, AI Servo AF, AI Focus AF
AF-assist beam	Small series of flashes fired by built-in flash
Exposure Control	

Metering modes	63-zone TTL open-aperture metering • Evaluative metering (linked to all AF points) • Partial metering (approx. 10% of viewfinder at center) • Center-weighted average metering	
Metering brightness range	EV 1 - 20 (at room temperature, ISO 100)	
Shooting mode	Basic Zone modes:	Scene Intelligent Auto, Flash Off, Creative Auto, Portrait, Landscape, Close-up, Sports, Food, Night Portrait
	Creative Zone modes:	Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure
ISO speed (Recommended exposure index)	Basic Zone modes*:	ISO 100 - ISO 3200 set automatically * Portrait: ISO 100
	Creative Zone modes:	ISO 100 - ISO 6400 set manually (whole-stop increments), ISO 100 - ISO 6400 set automatically, maximum ISO speed settable for ISO Auto, or ISO expansion to "H" (equivalent to ISO 12800)
Exposure compensation	Manual:	±5 stops in 1/3- or 1/2-stop increments
	AEB:	±2 stops in 1/3- or 1/2-stop increments (can be combined with manual exposure compensation)
AE lock	Auto:	Applied in One-Shot AF with evaluative metering when focus is achieved
	Manual:	With AE lock button
Shutter		
Type	Electronically-controlled, focal-plane shutter	
Shutter speed	1/4000sec. to 30sec. (Total shutter speed range. Available range varies by shooting mode.), Bulb, X-sync at 1/200sec.	
Flash		
Built-in flash	Retractable, auto pop-up flash	

	Guide No.:	Approx. 9.2 / 30.2 (ISO 100, in meters / feet) or approx. 13 / 42.7 (ISO 200, in meters / feet)
	Flash coverage:	Approx. 17mm lens angle of view
	Recharge time:	Approx. 2sec.
External flash	EX-series Speedlite	
Flash metering	E-TTL II autoflash	
Flash exposure compensation	±2 stops in 1/3- or 1/2-stop increments	
FE lock	Provided	
PC terminal	None	
Drive System		
Drive modes	Single shooting, Continuous shooting, Self-timer with 10-sec. or 2-sec. delay and 10-sec. delay with continuous shooting	
Continuous shooting speed	Max. approx. 3.0 shots/sec.	
Max. burst (Approx.)	JPEG Large / Fine:	1110 shots
	RAW:	6 shots
	RAW+JPEG Large / Fine:	5 shots
	* Figures are based on Canon's testing standards (ISO 100 and Standard Picture Style) using an 8GB card.	
Live View Shooting		
Aspect ratio	3:2, 4:3, 16:9, 1:1	
Focus methods	Contrast detection (FlexiZone-Single, Face detection Live mode), Phase-difference detection (Quick mode) Manual focus (approx. 5x / 10x magnification possible)	
Focusing brightness range	EV 1 - 18 (at room temperature, ISO 100)	
Metering mode	Real-time metering with image sensor	
Metering brightness range	EV 0 - 20 (at room temperature, ISO 100)	
Grid display	Two types	
Movie Shooting		
Recording format	MOV	
Movie	MPEG-4 AVC/H.264 Variable (average) bit rate	
Audio	Linear PCM	

Recording size and frame rate	1920 x 1080 (Full HD):	30p / 25p / 24p
	1280 x 720 (HD):	60p / 50p
	640 x 480 (SD):	30p/25p
	* 30p: 29.97 fps, 25p: 25.00 fps, 24p: 23.98 fps, 60p: 59.94 fps, 50p: 50.00 fps	
Bit rate	1920 x 1080 (30p / 25p / 24p):	Approx. 46Mbps
	1280 x 720 (60p / 50p):	Approx. 46Mbps
	640 x 480 (30p / 25p):	Approx. 11Mbps
Focus method	Same as focusing with Live View shooting	
Focusing brightness range	EV 1 - 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 and manual exposure	
Exposure compensation	±3 stops in 1/3-stop increments	
ISO speed (Recommended exposure index)	With autoexposure shooting:	ISO 100 - ISO 6400 set automatically
	With manual exposure:	ISO 100 - ISO 6400 set automatically/manually
Video snapshots	Settable to 2sec. / 4sec. / 8sec.	
Sound recording	Built-in monaural microphone Sound-recording level adjustable, wind filter provided	
Grid display	Two types	
Still photo shooting	Not possible during movie shooting	
LCD Monitor		
Type	TFT color liquid-crystal monitor	
Monitor size and dots	Approx. 7.5cm (3.0in.) (4:3) with approx. 920,000 dots	
Brightness adjustment	Manual (7 levels)	
Interface languages	25	
Feature guide	Displayable	
Playback		

Image display format	Basic info, basic info + image quality/playback number, shooting info. display, histogram, index display (4/9)
Zoom magnification	Approx. 1.5x - 10x
Highlight alert	Overexposed highlights blink
Image browsing method	Single image, jump by 10 or 100 images, by shooting date, by folder, by movies, by stills, by rating
Image rotation	Possible
Ratings	Provided
Movie playback	Enabled (LCD monitor, HDMI) Built-in speaker
Image protect	Possible
Slide show	All images, by date, by folder, by movies, by stills, by rating Five transition effects selectable
Background music	Selectable for slide shows and movie playback
Post-Processing of Images	
Creative filters	Grainy B/W, Soft focus, Fish-eye effect, Toy camera effect, Miniature effect
Resize	Possible
Direct Printing	
Compatible printers	PictBridge-compatible printers
Printable images	JPEG and RAW images
Print ordering	DPOF Version 1.1 compatible
Customization Features	
Custom Functions	11
My Menu registration	Possible
Copyright information	Entry and appending possible
Interface	
Digital terminal	Hi-Speed USB equivalent:	Computer communication, Direct printing, GPS Receiver GP-E2, Connect Station CS100 connection
HDMI mini OUT terminal	Type C (Auto switching of resolution)
Remote control terminal	For Remote Switch RS-60E3
Eye-Fi card	Compatible
Power	

Battery	Battery Pack LP-E10 (Quantity 1) * AC power can be supplied via household power outlet accessories.	
Number of possible shots (Based on CIPA testing standards, with 50% flash use)	With viewfinder shooting:	Approx. 500 shots at room temperature (23°C / 73°F), approx. 410 shots at low temperatures (0°C / 32°F)
	With Live View shooting:	Approx. 180 shots at room temperature (23°C / 73°F), approx. 170 shots at low temperatures (0°C / 32°F)
Movie shooting time	Approx. 1hr. 15min. at room temperature (23°C / 73°F) Approx. 1hr. 10min. at low temperatures (0°C / 32°F) (with a fully-charged Battery Pack LP-E10)	
Dimensions and Weight		
Dimensions (W x H x D)	Approx. 129.0 x 101.3 x 77.6mm / 5.08 x 3.99 x 3.06in.	
Weight	Approx. 485g / 17.11oz. (CIPA Guidelines), Approx. 440g / 15.52oz. (Body only)	
Operation Environment		
Working temperature range	0°C - 40°C / 32°F - 104°F	
Working humidity	85% or less	
Wireless Communications		
Standards compliance	IEEE 802.11b/g/n	
Transmission method	DS-SS modulation (IEEE 802.11b) OFDM modulation (IEEE 802.11g/n)	
Transmission range	Approx. 15m / 49.2ft. * When connected to a smartphone * With no obstructions between the transmitting and receiving antennas and no radio interference	
Transmission frequency (central frequency)	Frequency:	2412 - 2462MHz
	Channels:	1 to 11 ch
Connection method	Camera access point mode, infrastructure* * Wi-Fi Protected Setup supported	
Security	Authentication method:	Open system, Shared key, WPA/WPA2-PSK
	Encryption:	WEP, TKIP, AES
NFC connection	For communication with smartphones or connection to Connect Station	

Wi-Fi Functions	
Connection to smartphones	Images can be viewed, controlled, and received using a smartphone. Remote control of the camera using a smartphone is possible. Images can be sent to a smartphone.
Connect to Connect Station	Images can be sent and saved to Connect Station.
Send images to a Web service	Images in the camera or links to images can be sent to registered Web services.

* All the data above is based on Canon's testing standards.

Battery Pack LP-E10		
Type	Rechargeable lithium-ion battery	
Rated voltage	7.4V DC	
Battery capacity	860mAh	
Working temperature range	During charging:	6°C - 40°C / 43°F - 104°F
	During shooting:	0°C - 40°C / 32°F - 104°F
Working humidity	85% or less	
Dimensions (W x H x D)	Approx. 36.2 x 14.7 x 49.0mm / 1.4 x 0.6 x 1.9in.	
Weight	Approx. 45g / 1.6oz.	

Battery Charger LC-E10	
Compatible battery	Battery Pack LP-E10
Recharging time	Approx. 2 hours (at room temperature (23°C / 73°F))
Rated input	100 - 240V AC (50/60 Hz)
Rated output	8.3V DC / 580 mA
Working temperature range	6°C - 40°C / 43°F - 104°F
Working humidity	85% or less
Dimensions (W x H x D)	Approx. 67.0 x 30.5 x 87.5mm / 2.6 x 1.2 x 3.4in.
Weight	Approx. 85g / 3.0oz.

Battery Charger LC-E10E	
Compatible battery	Battery Pack LP-E10
Power cord length	Approx. 1m / 3.3ft.
Recharging time	Approx. 2 hours (at room temperature (23°C/73°F))
Rated input	100 - 240V AC (50/60 Hz)
Rated output	8.3V DC / 580mA

Working temperature range	6°C - 40°C / 43°F - 104°F
Working humidity	85% or less
Dimensions (W x H x D)	Approx. 67.0 x 30.5 x 87.5mm / 2.6 x 1.2 x 3.4in.
Weight	Approx. 82g / 2.9oz. (excluding power cord)

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