

## Specifications

Type	
Type	Digital single-lens non-reflex AF/AE camera
Recording Media	SD/SDHC/SDXC memory cards • UHS-I compatible
Image Format	Approx. 22.3 x 14.9mm (APS-C)
Compatible Lenses	Canon EF-M, EF* and EF-S* lenses * Canon EF and EF-S lenses require Mount Adapter EF-EOS M.
Lens Mount	Canon EF-M mount
Image Sensor	
Type	CMOS sensor (supporting Dual Pixel CMOS AF)
Effective Pixels	Approx. 24.2 megapixels
Total Pixels	Approx. 25.8 megapixels
Aspect Ratio	3:2 (Horizontal:Vertical)
Dust Removal Feature	(1) Self Cleaning Sensor Unit <ul style="list-style-type: none"> <li>• Removes dust adhering to the low-pass filter.</li> <li>• Self-cleaning can be done automatically when the power is turned on or off (taking about 2 sec. as indicated on the screen) or manually (taking about 9 sec. as indicated on the screen).</li> <li>• After manually activated cleaning, the camera will automatically restart (Power OFF to ON).</li> <li>• When you use Multi Shot Noise Reduction, "Clean now" cannot be selected.</li> </ul> (2) Dust Delete Data acquisition and appending <ul style="list-style-type: none"> <li>• The coordinates of the dust adhering to the low-pass filter are detected by a test shot and appended to subsequent images.</li> <li>• The dust coordinate data appended to the image is used by the provided software to automatically erase the dust spots.</li> </ul> (3) Manual cleaning (by hand)
Recording Format	
File Format	Design rule for Camera File system 2.0, Exif 2.3 compliant
Data Type	JPEG, RAW (14-bit, Canon original) RAW+JPEG simultaneous recording possible

<b>Recording Pixels</b>	<p>Large: Approx. 24.00 Megapixels  Medium: Approx. 10.60 Megapixels  Small 1: Approx. 5.90 Megapixels  Small 2: Approx. 3.80 Megapixels  RAW: Approx. 24.00 Megapixels</p> <p>3:2 Aspect Ratio  Large: 6000 x 4000  Medium: 3984 x 2656  Small 1: 2976 x 1984  Small 2: 2400 x 1600  RAW: 6000 x 4000</p> <p>4:3 Aspect Ratio  Large: 5328 x 4000  Medium: 3552 x 2664  Small 1: 2656 x 1992  Small 2: 2112 x 1600  RAW: 5328 x 4000</p> <p>16:9 Aspect Ratio  Large: 6000 x 3368  Medium: 3984 x 2240  Small 1: 2976 x 1680  Small 2: 2400 x 1344  RAW: 6000 x 3368</p> <p>1:1 Aspect Ratio  Large: 4000 x 4000  Medium: 2656 x 2656  Small 1: 1984 x 1984  Small 2: 1600 x 1600  RAW: 4000 x 4000</p> <ul style="list-style-type: none"> <li>• The recording pixels number is rounded to the whole number nearest to 10,000 or 1,000.</li> </ul>
<b>Folder Setting</b>	Monthly/Daily
<b>File Numbering</b>	Continuous, Auto Reset
<b>Image Processing During Shooting</b>	
<b>Picture Style</b>	<ul style="list-style-type: none"> <li>• Auto</li> <li>• Standard</li> <li>• Portrait</li> <li>• Landscape</li> <li>• Fine Detail</li> <li>• Neutral</li> <li>• Faithful</li> <li>• Monochrome</li> <li>• Smooth Skin</li> <li>• Self Portrait</li> <li>• User Defined 1-3</li> </ul>

<b>White Balance</b>	<ul style="list-style-type: none"> <li>• Auto</li> <li>• Daylight</li> <li>• Shade</li> <li>• Cloudy</li> <li>• Tungsten light</li> <li>• White fluorescent light</li> <li>• Flash</li> <li>• Color temperature</li> <li>• Custom (Custom WB)</li> </ul>
<b>Noise Reduction</b>	Applicable to: <ul style="list-style-type: none"> <li>• Long exposure shots (at exposure of 1 sec. and above and at bulb exposure)</li> <li>• High ISO speed shots (at any ISO speed)</li> </ul>
<b>Automatic Image Brightness Correction</b>	Auto Lighting Optimizer
<b>Highlight Tone Priority</b>	Provided
<b>Lens Aberration Correction</b>	<ul style="list-style-type: none"> <li>• Peripheral illumination correction</li> <li>• Chromatic aberration correction</li> <li>• Diffraction correction</li> </ul>
<b>Creative Assist</b>	<ul style="list-style-type: none"> <li>• Background (Blurred-Sharp)</li> <li>• Brightness (Dark-Light)</li> <li>• Contrast (Low-High)</li> <li>• Saturation (Neutral-Vivid)</li> <li>• Color Tone 1 (Blue-Amber)</li> <li>• Color Tone 2 (Magenta-Green)</li> <li>• Monochrome</li> </ul>
<b>Autofocus</b>	
<b>Type</b>	Dual Pixel CMOS AF (1-point AF, Face+Tracking priority AF, Smooth Zone AF)
<b>AF Points</b>	Up to 49 points (Maximum)
<b>Focusing Brightness Range</b>	EV -1-18 (at room temperature, ISO 100, when using EF-M 22mm f/2 STM)
<b>AF Operation</b>	One-Shot AF, Servo AF
<b>AF Assist Beam</b>	Built-in LED lamp
<b>Exposure Control</b>	
<b>Metering Modes</b>	Real-time metering using the image sensor Evaluative metering Partial metering Spot metering Center-weighted Average
<b>Brightness Metering Range</b>	Stills: EV 1-20 (at room temperature 73°F/23°C, ISO 100) Video: EV 2-20 (at room temperature 73°F/23°C, ISO 100)
<b>Exposure Control</b>	(1) Program AE (2) Shutter-priority AE (3) Aperture-priority AE (4) Manual exposure
<b>ISO Speed Range (Recommended Exposure Index)</b>	Stills: ISO 100-25600 (in 1/3-stop increments) Video: ISO 100-6400; H: 12800
<b>Exposure Compensation</b>	Manual: ±3 stops in 1/3-stop increments
<b>AE Lock</b>	Manual, Auto

Shutter																																									
Type	Electronically controlled focal-plane shutter																																								
Shutter Speeds	1/4000 to 30 sec., bulb X-sync at 1/200 sec.																																								
Flash Units																																									
Built-in Flash	Manual pop-up flash Guide No. approx. 16.4 ft./5m (at ISO 100) Supports angle of view equivalent to focal length of approx. 15mm (35mm film equivalent: approx. 24mm) Recharging time (when battery is fully charged): approx. 5.0 sec.																																								
Flash Metering Mode	E-TTL II metering																																								
Flash Exposure Compensation	±2 stops in 1/3-stop increments																																								
FE Lock	Provided																																								
Drive, Self-timer System																																									
Drive Mode	Single shooting, Continuous shooting																																								
Continuous Shooting Speed (Approx.)	(1) One-Shot AF (with EF-M 15–45mm f/3.5–6.3 IS STM): Max. approx. 6.1 fps (2) Servo AF (with EF-M 15–45mm f/3.5–6.3 IS STM): Max. approx. 4.0 fps • Continuous shooting speed may become slower due to the following factors: Tv value/Av value/Subject conditions/Brightness/Lens type/Shooting with flash/Battery level.																																								
Maximum Burst	<table border="1"> <thead> <tr> <th>Image Quality</th> <th>Image File Size (approx. MB)</th> <th>Possible Shots (approx.)</th> <th>Maximum Burst (approx.)</th> </tr> </thead> <tbody> <tr> <td>Large (Fine)</td> <td>8.2</td> <td>1833</td> <td>89</td> </tr> <tr> <td>Large (Normal)</td> <td>5.5</td> <td>2760</td> <td>92</td> </tr> <tr> <td>Medium (Fine)</td> <td>4.8</td> <td>3114</td> <td>67</td> </tr> <tr> <td>Medium (Normal)</td> <td>3.2</td> <td>4671</td> <td>69</td> </tr> <tr> <td>Small 1 (Fine)</td> <td>3.2</td> <td>4717</td> <td>62</td> </tr> <tr> <td>Small 1 (Normal)</td> <td>2.2</td> <td>6656</td> <td>62</td> </tr> <tr> <td>Small 2</td> <td>1.8</td> <td>8098</td> <td>70</td> </tr> <tr> <td>RAW</td> <td>33.6</td> <td>450</td> <td>21</td> </tr> <tr> <td>RAW + Large (Fine)</td> <td>33.6 + 8.2</td> <td>361</td> <td>19</td> </tr> </tbody> </table>	Image Quality	Image File Size (approx. MB)	Possible Shots (approx.)	Maximum Burst (approx.)	Large (Fine)	8.2	1833	89	Large (Normal)	5.5	2760	92	Medium (Fine)	4.8	3114	67	Medium (Normal)	3.2	4671	69	Small 1 (Fine)	3.2	4717	62	Small 1 (Normal)	2.2	6656	62	Small 2	1.8	8098	70	RAW	33.6	450	21	RAW + Large (Fine)	33.6 + 8.2	361	19
Image Quality	Image File Size (approx. MB)	Possible Shots (approx.)	Maximum Burst (approx.)																																						
Large (Fine)	8.2	1833	89																																						
Large (Normal)	5.5	2760	92																																						
Medium (Fine)	4.8	3114	67																																						
Medium (Normal)	3.2	4671	69																																						
Small 1 (Fine)	3.2	4717	62																																						
Small 1 (Normal)	2.2	6656	62																																						
Small 2	1.8	8098	70																																						
RAW	33.6	450	21																																						
RAW + Large (Fine)	33.6 + 8.2	361	19																																						
Self-timer Mode	Off, 2-second self-timer, 10-second self-timer, Custom timer																																								
Live View Functions																																									
Aspect Ratio Settings	3:2, 4:3, 16:9, 1:1																																								
Focus Mode	AF, MF, AF+MF (Manual focus after One-Shot AF) Max. in MF: Approx. 5x / Approx. 10x MF peaking provided																																								
Continuous AF	Provided																																								
Touch Shutter	Provided																																								
Grid Display	Two types																																								
Depth of Field Preview	Provided																																								
Video Shooting																																									
Recording System	MP4																																								

<b>File Format</b>	Video: MPEG-4 AVC / H.264 • Variable (averaged) bit rate Audio: MPEG-4 AAC-LC (stereo)
<b>Recording Size and Frame Rate</b>	1920 x 1080 (Full HD): 59.94 fps / 29.97 fps / 23.98 fps 1280 x 720 (HD): 59.94 fps 640 x 480 (SD): 29.97 fps

### Continuous Shooting Time

Video Recording Size		Bit Rate (approx.)*	Total Recording Time (approx.)	File Size (approx.)
1920 x 1080 (Full HD)	59.94 fps	35 Mbps	59 min. 30 sec.	4288 KB/sec.
	29.97 fps	24 Mbps	1 hr. 26 min. 5 sec.	2945 KB/sec.
	23.98 fps			
1280 x 720 (HD)	59.94 fps	16 Mbps	2 hr. 8 min. 27 sec.	1969 KB/sec.
640 x 480 (SD)	29.97 fps	3 Mbps	10 hr. 22 min. 35 sec.	N/A

\* Limitations of video shooting: continuous shooting is possible until the memory card becomes full or the recording length for one video reaches approx. 29 minutes and 59 seconds.

\* Recording bit rate of movie images only, sound data not included.

<b>Metering Mode</b>	Evaluative metering
<b>Exposure Compensation</b>	±3 stops in 1/3-stop increments
<b>ISO Speed (Recommended Exposure Index)</b>	ISO 100–6400; H: 12800
<b>Miniature Effect Movie</b>	Provided
<b>Still Image Shooting</b>	Provided
<b>Grid Display</b>	Two types
<b>Sound Recording</b>	Built-in stereo microphone, recording level adjustable, wind filter provided, attenuator provided
<b>Screen (Monitor)</b>	
<b>Type</b>	TFT color, liquid-crystal monitor
<b>Screen Size</b>	3.0-inch type
<b>Dots</b>	Approx. 1.04 million dots
<b>Brightness Adjustment</b>	5 levels
<b>Angle Adjustment</b>	Tilt type: Up to approx. 180° upward
<b>Interface Languages</b>	29 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Malay, Vietnamese, Indonesian, Hindi, Japanese)
<b>Hints &amp; Tips</b>	Displayable

Playback Functions	
<b>Image Display Format</b>	<ul style="list-style-type: none"> <li>(1) Single-image display</li> <li>(2) 1 shot + information display <ul style="list-style-type: none"> <li>• Simple information</li> <li>• Detailed information <ul style="list-style-type: none"> <li>o Histogram</li> <li>o Lens information</li> <li>o Picture Style</li> <li>o Noise reduction</li> <li>o Correction data</li> </ul> </li> </ul> </li> <li>(3) Index display <ul style="list-style-type: none"> <li>• 6-image</li> <li>• 12-image</li> <li>• 42-image</li> <li>• 110-image</li> </ul> </li> <li>(4) Image rotate</li> </ul>
<b>Zoom Magnification</b>	Approx. 2.0x to 10.0x
<b>Image Browsing Methods</b>	<ul style="list-style-type: none"> <li>• Single image</li> <li>• Jump 10 images</li> <li>• Jump 100 images</li> <li>• Image search <ul style="list-style-type: none"> <li>o Rating</li> <li>o Date</li> <li>o People</li> <li>o Still images</li> <li>o Movies</li> <li>o Digest movies</li> </ul> </li> <li>• Scroll display</li> </ul>
<b>Image Rotate</b>	Provided
<b>Rating</b>	Provided
<b>Video Playback</b>	Provided (with built-in speaker)
<b>Protect Images</b>	Provided
<b>Slideshow</b>	<ul style="list-style-type: none"> <li>• All images</li> <li>• Slideshow of images after selection from the search list</li> </ul>
Post-processing of Images (Possible only with images taken with same model)	
<b>Creative Filters</b>	<ul style="list-style-type: none"> <li>• Grainy B/W</li> <li>• Soft focus</li> <li>• Fish-eye effect</li> <li>• Art bold effect</li> <li>• Water painting effect</li> <li>• Toy camera effect</li> <li>• Miniature effect</li> </ul>
<b>Resize</b>	Provided
<b>Red-eye Correction</b>	Provided
Direct Printing	
<b>Compatible Printers</b>	PictBridge
<b>Printable Images</b>	<ul style="list-style-type: none"> <li>• JPEG</li> <li>• RAW (prints JPEG images used for display, which are taken on the same model)</li> <li>• MP4</li> <li>• MOV</li> </ul>

Custom Functions	
Registration of Custom Functions	Shutter button, Movie button
Copyright Info	Provided
Interface	
Digital Terminal	Mini-B (Hi-Speed USB compliant)
HDMI OUT Terminal	Type D HDMI output while recording (shooting screen without sound) provided
Wi-Fi® (Wireless LAN)	
Standards Compliance	IEEE 802.11b/g/n
Transmission Method	DS-SS modulation (IEEE 802.11b), OFDM modulation (IEEE 802.11g/n)
Transmission Frequency (Central Frequency)	Frequency: 2412–2462 MHz Channels: 1–11 ch
Connection Method and Security	<p>(1) Infrastructure mode</p> <ul style="list-style-type: none"> <li>a. WPA2-PSK <ul style="list-style-type: none"> <li>i. AES</li> <li>ii. TKIP</li> </ul> </li> <li>b. WPA-PSK <ul style="list-style-type: none"> <li>i. AES</li> <li>ii. TKIP</li> </ul> </li> <li>c. Open <ul style="list-style-type: none"> <li>i. WEP</li> <li>ii. None</li> </ul> </li> <li>d. Wi-Fi® Protected Setup compliant</li> </ul> <p>(2) Camera access point mode</p> <ul style="list-style-type: none"> <li>a. WPA2-PSK <ul style="list-style-type: none"> <li>i. AES</li> </ul> </li> <li>b. Open <ul style="list-style-type: none"> <li>i. None</li> </ul> </li> </ul> <p>(3) Ad hoc mode</p> <ul style="list-style-type: none"> <li>a. WPA2-PSK <ul style="list-style-type: none"> <li>i. AES</li> </ul> </li> </ul>
Network Functions	
Transfer Images Between Cameras	<ul style="list-style-type: none"> <li>• Transferring one image</li> <li>• Transferring selected images</li> <li>• Transferring resized images</li> </ul>
Connection to Smartphones	<ul style="list-style-type: none"> <li>• Viewing, controlling, receiving images using a smartphone or a tablet</li> <li>• Remote control of the camera using a smartphone or a tablet</li> </ul>
Print from Wi-Fi® Printers	Images to be printed can be sent to a printer supporting Wi-Fi®
Send Images to a Web Service	Images in the camera or links to images can be sent to registered Web services
View Images Using a Media Player	Images can be reviewed using a DLNA-compatible media player
Power Supplies	
Battery	Battery Pack LP-E12

<b>Battery Life</b>	<p>Number of Still Image Shots CIPA compliant, Room Temperature 73°F/23°C: Approx. 295 shots Eco Mode On: Approx. 410 shots</p> <p>Movie Recording Time CIPA compliant, Room Temperature 73°F/23°C: Approx. 80 min. Continuous Shooting*: Approx. 125 min.</p> <p><small>* Total shooting time when shooting is performed under the following conditions: using default AUTO Mode, without using zooming and other operations, when max. recording time per movie is reached and recording stops/resumes automatically.</small></p>
<b>Dimensions and Weight</b>	
<b>Dimensions (W x H x D)</b>	<p>Approx. 4.3 x 2.6 x 1.4 in. (108.2 x 67.1 x 35.1mm) • CIPA compliant.</p>
<b>Weight</b>	<p>Approx. 10.7 oz. / 302g (Including battery pack and memory card) Approx. 9.4 oz. / 266g (Body only)</p>
<b>Operating Environment</b>	
<b>Working Temperature Range</b>	32-104°F / 0-40°C
<b>Working Humidity Range</b>	85% or less