### IMAGE SENSOR
- **Type**: Approx. 22.3 mm x 14.9 mm
- **Effective Pixels**: Approx. 18.0 megapixels
- **Total Pixels**: Approx. 18.7 megapixels
- **Aspect Ratio**: 3:2
- **Low-Pass Filter**: Built-in/Fixed
- **Sensor Cleaning**: Manual cleaning and Dust Delete Data acquisition
- **Colour Filter Type**: Primary Colour

### IMAGE PROCESSOR
- **Type**: DIGIC 4+

### LENS
- **Lens Mount**: EF/EF-S
- **Focal Length**: Equivalent to 1.6x the focal length of the lens

### FOCUSING
- **Type**: TTL-CT-SIR with a CMOS sensor
- **AF System/Points**: 9 AF points (f/5.6 cross type at centre)
- **AF working range**: Centre AF point: EV 0 -18 (at 23°C & ISO100)
  - Other AF points: EV 1 -18 (at 23°C & ISO100)
- **AF Modes**: AI Focus, One Shot, AI Servo
- **AF Point Selection**: Automatic selection, Manual selection
- **Selected AF point display**: Superimposed in viewfinder and indicated on LCD monitor
- **Predictive AF**: Yes, up to 10m
- **AF Lock**: Locked when shutter button is pressed halfway in One Shot AF mode.
- **AF Assist Beam**: Intermittent firing of built-in flash or emitted by optional dedicated Speedlite
- **Manual Focus**: Selected on lens

### EXPOSURE CONTROL
- **Metering modes**: TTL full aperture metering with 63-zone SPC
  - (1) Evaluative metering (linked to all AF points)
  - (2) Partial metering at center (approx. 10% of viewfinder)
  - (3) Center weighted average metering
- **Metering Range**: EV 1-20 (at 23°C with 50mm f/1.4 lens ISO100)
- **AE Lock**: Auto: In 1-shot AF mode with evaluative metering exposure is locked when focus is achieved.
  - Manual: By AE lock button in creative zone modes.
- **Exposure Compensation**: +/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB).
- **AEB**: 3 shots +/- 2 EV, 1/2 or 1/3-stop increments
- **ISO Sensitivity**: AUTO(100-6400), 100-6400 in 1-stop increments
  - ISO can be expanded to H: 12800
  - During Movie shooting: AUTO (100-6400), 100-6400 (Whole stop increments)

### SHUTTER
- **Type**: Electronically-controlled focal-plane shutter, with electronic first curtain
- **Speed**: 30-1/4000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)

### WHITE BALANCE
- **Type**: Auto white balance with the imaging sensor
- **Settings**: AWB (Ambience priority, White priority), Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom.
- **White balance compensation**: 1. Blue/Amber +/-9
  - 2. Magenta/ Green +/-9
- **Custom White Balance**: Yes. 1 setting can be registered
- **WB Bracketing**: +/-3 levels in single level increments
  - 3 bracketed images per shutter release.
  - Selectable Blue/Amber bias or Magenta/Green bias.

### VIEWFINDER
- **Type**: Pentamirror
- **Coverage (Vertical/Horizontal)**: Approx. 95%
- **Magnification**: Approx. 0.80x [1]
- **Eyepoint**: Approx. 21mm (from eyepiece lens center)
### Dioptre Correction
-2.5 to +0.5 m\(^{-1}\) (dioptre)

### Focusing Screen
Fixed

### Mirror
Quick-return half mirror (Transmission: reflection ratio of 40:60; no mirror cut-off with EF600mm f/4 or shorter)

### Viewfinder Information
- **AF information:** AF points, focus confirmation light
- **Exposure information:** Shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, exposure warning, AEB
- **Flash information:** Flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light
- **Image information:** Highlight tone priority (D+), monochrome shooting, maximum burst (1 digit display), White balance correction, SD card information

### Depth of field preview
Yes, assigned to SET button with C.Fn-9-4

### Eyepiece shutter
On strap

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### LCD MONITOR
- **Type:** 7.5cm (3.0") TFT, approx. 920k dots
- **Coverage:** Approx. 100%
- **Viewing Angle (horizontally/vertically):** Approx 170°
- **Brightness Adjustment:** Adjustable to one of seven levels
- **Display Options:**
  1. Quick Control Screen
  2. Camera settings

### FLASH
- **Built-in Flash GN (ISO 100, meters):** 9.2
- **Built-in Flash Coverage:** up to 17mm focal length (35mm equivalent: 27mm)
- **Built-in Flash recycle time:** Approx. 2 seconds
- **Modes:** Auto, Manual Flash On/off
- **Red-Eye Reduction:** Yes - with red eye reduction lamp
- **X-sync:** 1/200sec
- **Flash Exposure Compensation:** +/- 2EV in 1/2 or 1/3 increments
- **Flash Exposure Bracketing:** Yes, with compatible External Flash
- **Flash Exposure Lock:** Yes
- **Second Curtain Synchronisation:** Yes
- **HotShoe/ PC terminal:** Yes/No
- **External Flash Compatibility:** E-TTL II with EX series Speedlites, wireless multi-flash support (with optional accessory)
- **External Flash Control:** via camera menu screen, except for wireless radio flash shooting settings

### SHOOTING
- **Modes:** Scene Intelligent Auto, No Flash, Creative Auto, Portrait, Landscape, Close-up, Sports, Food, Night Portrait, Movie, Program AE , Shutter priority AE, Aperture priority AE, Manual
- **Picture Styles:** Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined (x3)
- **Colour Space:** sRGB and Adobe RGB
- **Image Processing:** Highlight Tone Priority, Auto Lighting Optimizer (4 settings), Long exposure noise reduction, High ISO speed noise reduction (4 settings), Auto Correction of Lens Peripheral illumination, Basic+ (Shoot by ambience selection, Shoot by lighting or scene type), Creative filters (Grainy B/W, Soft focus, Toy camera, Miniature effect, Fish-eye) - during image Playback only
- **Drive modes:** Single, Continuous, Self timer (2s, 10s+remote, 10s + continuous shots 2-10)
- **Continuous Shooting:** Max. Approx. 3fps for approx. 1110 JPEG images (1), 6 images RAW (2) (10)

### LIVE VIEW MODE
- **Type:** Electronic viewfinder with image sensor
- **Coverage:** Approx. 100% (horizontally and vertically)
- **Frame Rate:** 30 fps
- **Focusing:** Manual Focus (Magnify the image 5x or 10x at any point on screen), Autofocus: Quick mode, Live mode
- **Metering:** Real-time evaluative metering with image sensor, Active metering time can be changed
- **Display Options:** Grid overlay, Histogram
### FILE TYPE

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>RAW+JPEG simultaneous recording</td>
<td>Yes, RAW + Large JPEG</td>
</tr>
<tr>
<td>Image Size</td>
<td>JPEG 3:2: (L) 5184x3456, (M) 3456x2304, (S1) 2592x1728, (S2) 1920x1280, (S3) 720x480&lt;br&gt;JPEG 4:3: (L) 4608x3456, (M) 3072x2304, (S1) 2304x1728, (S2) 1696x1280, (S3) 640x480&lt;br&gt;JPEG 16:9: (L) 5184x2912, (M) 3456x1944, (S1) 2592x1456, (S2) 1920x1080, (S3) 720x400&lt;br&gt;JPEG 1:1: (L) 5184x3456</td>
</tr>
<tr>
<td>Movie Type</td>
<td>MOV (Video: H.264, Sound: Linear PCM, recording level can be manually adjusted by user)</td>
</tr>
<tr>
<td>Movie Size</td>
<td>1920 x 1080 (29.97, 25, 23.976 fps)&lt;br&gt;1280 x 720 (59.94, 50 fps)&lt;br&gt;640 x 480 (30, 25 fps)</td>
</tr>
<tr>
<td>Movie Length</td>
<td>Max duration 29min 59sec, Max file size 4GB</td>
</tr>
<tr>
<td>Folders</td>
<td>New folders can be manually created and selected</td>
</tr>
</tbody>
</table>

### OTHER FEATURES

| Custom Functions | 11 Custom Functions with 33 settings |
| Metadata Tag | User copyright information [can be set in camera] Image rating [0-5 stars] |
| Intelligent Orientation Sensor | Yes |
| Playback zoom | 1.5x - 10x enabled in 15 steps |
| Display Formats | (1) Single image with information (2 levels)<br>(2) Single image<br>(3) Index display (4/9/36/100 images)<br>(4) Jump Display (1/10/100 images, by Date, by Folder, Movies only, Stills only, by Rating) |
| Slide Show | Image selection: All images, by Date, by Folder, Movies, Stills, Rating<br>Playback time: 1/2/3/5/10 or 20 seconds<br>Repeat: On/Off<br>Transition Effect: Off, Slide 1, Slide 2, Fade 1, Fade 2, Fade 3<br>Background Music: On, Off |
| Histogram | Brightness: Yes<br>RGB: Yes |
| Highlight Alert | Yes [Shooting information display only] |
| Image Erase/Protection | Erase: Single image, All images in folder, Checkmarked images, unprotected images<br>Protection: Erase protection of one image at a time |
| Menu Categories | (1) Shooting menu (x4)<br>(2) Playback menu (x2)<br>(3) Setup menu (x3)<br>(4) My Menu |
| Menu Languages | 25 Languages<br>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 and Japanese |

### INTERFACE

| Computer | Hi-Speed USB |
| Other | Video output (PAL/NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible) |
| Wi-Fi | Built-in Wi-Fi transmission<br>Connectivity to Smart devices is possible with Android version 4.0-4.4/5.0-5.1 or iOS 7.1/8-8.3.<br>NFC connectivity is possible only with compatible Android devices. |
## DIRECT PRINT

<table>
<thead>
<tr>
<th>Canon Printers</th>
<th>Canon Compact Photo Printers and PIXMA Printers supporting PictBridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>PictBridge</td>
<td>Yes</td>
</tr>
</tbody>
</table>

## STORAGE

- SD card, SDHC card or SDXC card

## SUPPORTED OPERATING SYSTEM

- **Type**:
  - Windows 10 / 8.1 / 8 / 7**(*)
  - *With Microsoft .NET Framework 4.5 is installed.
  - Mac OS X 10.9, 10.10, 10.11

## SOFTWARE

**PC & Macintosh**

- Browsing & Printing:
  - Digital Photo Professional 4.4.0 (RAW Image Processing)
- Image Processing:
  - EOS Utility
  - EOS Lens Registration Tool
  - EOS Web Service Registration Tool
  - EOS Sample Music
  - Picture Style Editor

## POWER SOURCE

- **Batteries**: 1 x Rechargeable Li-ion Battery LP-E10
- **Battery life**:
  - Approx. 500 (at 23°C, AE 50%, FE 50%) (5)
  - Approx. 410 (at 0°C, AE 50%, FE 50%)
- **Battery Indicator**: 4 levels
- **Power saving**: Power turns off after 30sec or 1, 2, 4, 8 or 15mins.
- **Power Supply & Battery Chargers**: AC Adapter Kit ACK-E10, Battery charger LC-E10, LC-E10E

## PHYSICAL SPECIFICATIONS

- **Body Materials**: Carbon fiber/glass fiber and polycarbonate resin
- **Operating Environment**: 0 – 40°C, 85% or less humidity
- **Dimensions (WxHxD)**: 129.0 x 101.3 x 77.6mm
- **Weight (body only)**: Approx. 485g (CIPA testing standard, including battery and memory card)

## ACCESSORIES

- **Viewfinder**:
- **Case**: Semi Hard Case EH26-L, EH27-L
- **Wireless File Transmitter**: Not available
- **Lenses**:
  - All EF and EF-S lenses
- **Flash**:
  - Canon Speedlites (90EX, 220EX, 270EX, 270EX II, 320EX, 420EX, 430EX, 430EX II, 430EX III-RT, 500EX, 580EX, 580EX II, 600EX, 600EX-RT, Macro-Ring-Lite MR-14EX, MR-14EX II, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT)
- **Battery Grip**: Not available
- **Remote Controller/ Switch**:
  - Remote Switch RS-60E3
- **Other**:
  - Hand Strap E2, GPS Receiver GP-E2, HDMI Cable HTC-100

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All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated.

Subject to change without notice.

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[1] Large/Fine/Quality 8 resolution

[2] Based on Canon’s testing conditions, JPEG, ISO 100, Standard Picture Style. Varies depending on the subject, memory card brand and capacity, image recording quality, ISO speed, drive mode, Picture Style, Custom functions etc.

[3] Compatible with large memory card capacities, including cards of 2GB and more (camera may require firmware update).

[4] with 50mm lens at infinity, -1m-1 dpt

[5] Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated

[6] Memory card and battery door only

[7] with EF300mm f/2.8L IS USM at 50kph

[8] Recommended Exposure Index

[9] Environmental protection

[10] Maximum fps and buffer capacity may be reduced depending on the cameras settings and light level

[11] Peripheral Cross type AF points will not function as a cross type AF points with the following lenses: EF 35-80mm f4-5.6 (II/III/USM), EF35-105mm f4.5-5.6 (USM), EF 80-200mm f4.5-5.6 (II)

[12] With Battery strength 75% or higher