Canon
SEE IMPOSSIBLE

EOS 6D
Mark II

# Specifications

| | |
|---|---|
| **Type** | |
| **Type** | Digital AF/AE single-lens reflex camera |
| **Recording Media** | SD/SDHC/SDXC memory cards<br>• SD speed class-compatible<br>• UHS speed class-compatible<br>• High-speed writing is supported when a UHS-I compatible SD card is used.<br>• Compatible with Eye-Fi cards.<br>• Multimedia cards (MMC) cannot be used (card error will be displayed). |
| **Image Format** | Approx. 35.9 x 24.0mm (Full-frame) |
| **Compatible Lenses** | Canon EF lenses (excluding EF-S and EF-M lenses) |
| **Lens Mount** | Canon EF mount |
| **Image Sensor** | |
| **Type** | CMOS sensor (supporting Dual Pixel CMOS AF) |
| **Effective Pixels** | Approx. 26.2 megapixels |
| **Pixel Unit** | Approx. 5.67 µm square |
| **Total Pixels** | Approx. 27.1 megapixels |
| **Aspect Ratio** | 3:2 (Horizontal:Vertical) |
| **Color Filter System** | RGB primary color filters |
| **Low Pass Filter** | Installed in front of the image sensor, non-detachable |
| **Dust Deletion Feature** | (1) Self Cleaning Sensor Unit<br>• Removes dust adhering to the low-pass filter.<br>• 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).<br>• After manually activated cleaning, the camera will automatically restart (Power OFF to ON).<br>• When you use Multi Shot Noise Reduction, “Clean now” cannot be selected.<br>(2) Dust Delete Data acquisition and appending<br>• The coordinates of the dust adhering to the low-pass filter are detected by a test shot and appended to subsequent images.<br>• The dust coordinate data appended to the image is used by the provided software to automatically erase the dust spots.<br>(3) Manual cleaning (by hand) |
| **Recording System** | |
| **Recording Format** | Compliant to Design rule for Camera File system 2.0 and Exif 2.3 |
| **Image Format** | JPEG, RAW (14-bit Canon original) |

| | |
|---|---|
| **File Size** | 3:2 Aspect Ratio<br>Large: 6240 x 4160<br>Medium: 4160 x 2768*<br>Small 1: 3120 x 2080<br>Small 2: 2400 x 1600<br>RAW: 6240 x 4160<br>mRAW: 4680 x 3120<br>sRAW: 3120 x 2080<br><br>4:3 Aspect Ratio*<br>Large: 5536 x 4160<br>Medium: 3680 x 2768<br>Small 1: 2768 x 2080<br>Small 2: 2112 x 1600<br>RAW: 5536 x 4160<br>sRAW: 2768 x 2080<br><br>16:9 Aspect Ratio*<br>Large: 6240 x 3504<br>Medium: 4160 x 2336<br>Small 1: 3120 x 1752<br>Small 2: 2400 x 1344<br>RAW: 6240 x 3504<br>sRAW: 3120 x 1752<br><br>1:1 Aspect Ratio<br>Large: 4160 x 4160<br>Medium: 2768 x 2768<br>Small 1: 2080 x 2080<br>Small 2: 1600x 1600<br>RAW: 4160 x 4160<br>sRAW: 2080 x 2080<br><br>• Values for Recording Pixels are rounded to the nearest 100,000.<br>• JPEG images are generated in the set aspect ratio.<br>• RAW images are generated in [3:2], and the set aspect ratio is appended.<br>* Indicate an inexact proportion. |
| **File Numbering** | File numbering can be set as follows:<br>(1) File numbering methods<br>a. Continuous numbering<br>i. The numbering of captured images continues even after you replace the card.<br>b. Auto reset<br>i. When you replace the card, the numbering will be reset to start from 0001. If the new SD card already contains images, the numbering will continue from the last recorded image in the card.<br>(2) Manual reset<br>a. Resets the file number to 0001, and creates a new folder automatically. |
| **RAW + JPEG Simultaneous Recording** | Possible |
| **Color Space** | sRGB/Adobe RGB |

<table>
<tr><td>Picture Style</td><td>(1) Auto<br>(2) Standard<br>(3) Portrait<br>(4) Landscape<br>(5) Fine Detail<br>(6) Neutral<br>(7) Faithful<br>(8) Monochrome<br>(9) User Defined 1–3<br>• In Basic Zone modes, “Auto” will be set.<br>• [Auto] is the default setting for [User Def. 1–3].</td></tr>
<tr><td colspan="2">White Balance</td></tr>
<tr><td>Settings</td><td>(1) Auto (Ambience priority/White priority)<br>(2) Daylight<br>(3) Shade<br>(4) Cloudy*<br>(5) Tungsten light<br>(6) White fluorescent light<br>(7) Flash<br>(8) Custom (Custom WB)<br>(9) Color temperature<br>* Effective also in twilight and sunset.</td></tr>
<tr><td>Auto White Balance</td><td>Option between ambience priority and white priority settings</td></tr>
<tr><td>Color Temperature Compensation</td><td>Blue/amber bias: ±9 levels<br>Magenta/green bias: ±9 levels<br>Corrected in reference to the current WB mode’s color temperature.</td></tr>
<tr><td colspan="2">Viewfinder</td></tr>
<tr><td>Type</td><td>Eye-level SLR (with fixed pentaprism)</td></tr>
<tr><td>Coverage</td><td>At approx. 21mm eyepoint
<table>
<tr><td rowspan="4">Aspect ratio</td><td>3:2</td><td>Approx. 98% vertically/horizontally</td></tr>
<tr><td>4:3</td><td>Approx. 98% vertically/horizontally</td></tr>
<tr><td>16:9</td><td>Approx. 96% vertically<br>Approx. 98% horizontally</td></tr>
<tr><td>1:1</td><td>Approx. 98% vertically<br>Approx. 97% horizontally</td></tr>
</table></td></tr>
<tr><td>Magnification</td><td>Approx. 0.71x/33.3° (with 50mm lens at infinity, -1 $m^{-1}$)</td></tr>
<tr><td>Eye Point</td><td>Approx. 21mm (at -1 $m^{-1}$ from eyepiece lens center)</td></tr>
<tr><td>Dioptric Adjustment Range</td><td>Adjustable from approx. -3.0 to +1.0 $m^{-1}$ (dpt)</td></tr>
<tr><td>Focusing Screen</td><td>Fixed</td></tr>
<tr><td>Mirror</td><td>Quick-return all-surface half mirror</td></tr>
</table>

<table>
<tr><td>Viewfinder Information</td><td>Displayed with transparent liquid crystal<br>(1) AF point information<br>(2) Area AF frame<br>(3) Spot metering circle<br>(4) Electronic level (dedicated indicator)*<br>(5) Grid*<br>(6) Aspect ratio line<br>(7) Battery (remaining capacity)*<br>(8) Shooting mode*<br>(9) AF operation*<br>(10) Image quality (JPEG/RAW)*<br>(11) Drive mode*<br>(12) Metering mode*<br>(13) Flicker detection icon*<br>(14) Warning symbol<br>* You can select whether or not to display the asterisked items [Show/hide in viewfinder] or [Viewfinder display].</td></tr>
<tr><td>Depth-of-Field Preview</td><td>Provided with depth of field preview button</td></tr>
<tr><td colspan="2">Autofocus</td></tr>
<tr><td>Type</td><td>TTL secondary image-forming phase-difference detection system with AF-dedicated sensor</td></tr>
<tr><td>AF Points</td><td>Up to 45 points (cross-type AF points: max. 45)<br><table><tr><th>AF Points and AF Patterns</th><th>AF Points (max.)</th></tr><tr><td>Dual cross-type AF points supporting f/2.8 and f/5.6</td><td>1</td></tr><tr><td>Cross-type AF points supporting f/5.6</td><td>45</td></tr><tr><td>AF points supporting f/8</td><td>27<br>(Cross-type AF point 9)</td></tr></table>• The number of AF points, cross-type AF points and dual cross-type AF points varies depending on the lens used.</td></tr>
<tr><td>AF Working Range</td><td>Conditions: One-Shot AF, at 73°F/23°C, ISO 100 (based on Canon's testing standards and environment)<br><table><tr><th>AF Point</th><th>Brightness</th></tr><tr><td>One center AF point focusing supporting f/2.8</td><td>EV -3 to 18</td></tr><tr><td>One center AF point focusing supporting f/5.6</td><td>EV -2 to 18</td></tr><tr><td>Peripheral AF points focusing supporting f/5.6</td><td>EV -0.5 to 18</td></tr></table></td></tr>
<tr><td>Focusing Modes</td><td>(1) Autofocus<br>1. One-Shot AF<br>2. Predictive AI Servo AF (AI Servo AF II)<br>3. AI Focus AF<br>• Switches between One-Shot AF and AI Servo AF automatically.<br>(2) Manual focus</td></tr>
<tr><td>AF Point Selection</td><td>(1) Single-point Spot AF (Manual selection)<br>(2) Single-point AF (Manual selection)<br>• The checkmark cannot be removed from this option.<br>(3) Zone AF (Manual selection of zone)<br>• All the AF points are divided into nine focusing zones.<br>(4) Large Zone AF (Manual selection of zone)<br>• All the AF points are divided into three focusing zones.<br>(5) Automatic selection AF (45 points)</td></tr>
<tr><td>AF Assist Beam</td><td>(1) Enable<br>(2) Disable<br>(3) IR AF assist beam external flash only</td></tr>
</table>

## Exposure Control

**Metering Modes**

7560-pixel RGB+IR metering sensor
63-zone (9 x 7) metering
(1) Evaluative metering (linked to all AF points)
(2) Partial metering (center, approx. 6.5% of viewfinder)
(3) Spot metering (center, approx. 3.2% of viewfinder)
(4) Center-weighted average metering

**Metering Range**

EV 1 - 20 (at 73°F/23°C, ISO 100)

**Exposure Control Systems**

(1) Creative Zone
- 1) Program AE (shiftable)
- 2) Shutter-priority AE
- 3) Aperture-priority AE
- 4) Manual exposure (including bulb)

(2) Basic Zone
- 1) Scene Intelligent Auto (Program AE/ non-shiftable)
- 2) Creative Auto
- 3) Special Scene
  - i. Portrait
  - ii. Group Photo
  - iii. Landscape
  - iv. Sports
  - v. Kids
  - vi. Panning
  - vii. Close-up
  - viii. Food
  - ix. Candlelight
  - x. Night Portrait
  - xi. Handheld Night Scene
  - xii. HDR Backlight Control

**ISO Speed Range**

Manual Setting

| | |
|---|---|
| Normal | ISO 100–40000 (in 1/3-stop or whole-stop increments) |
| Expanded | L (ISO 50), H1: 51200, H2: 102400 |

- For [Highlight tone priority], the minimum ISO speed limit will be ISO 200.
- ISO speed safety shift possible with Custom Function.
- All the expanded ISO speeds including those for movies are only "equivalent speeds."

Auto Setting (During Viewfinder Shooting)

| Shooting Mode | ISO Settings | |
|---|---|---|
| | No Flash | With Flash |
| Scene Intelligent Auto, Creative Auto | ISO 100–12800 | ISO 100–1600 |
| Portrait, Group Photo, Sports, Kids, Close-up, Food | ISO 100–12800 | ISO 100–1600 |
| Panning | ISO 100–12800 | – |
| Candlelight, HDR Backlight Control | ISO 100–12800 | AF Assist Beam only |
| Night Portrait | ISO 100–12800 | ISO 100–800 |
| Landscape | ISO 100–1600 | ISO 100–1600 |
| Handheld Night Scene | ISO 100–25600 | ISO 100–6400 |
| P/Tv/Av/M | ISO 100–40000*1 | ISO 400–1600*2 |
| B | ISO 400 fixed*1 | ISO 400 fixed |

*1 Depending on [Minimum] and [Maximum] of [ISO speed settings] or [Range for stills].
*2 If fill-in flash will cause overexposure, ISO 100 or a higher ISO will be set.

<table>
<tr><td>Exposure Compensation</td><td>
<table>
<tr><td>Manual</td><td>±5 stops in 1/3- or 1/2-stop increments*</td></tr>
<tr><td>AEB</td><td>±3 stops in 1/3- or 1/2-stop increments</td></tr>
</table>
* For LCD panel and Live View shooting, exposure compensation can be set up to ±3 stops.
</td></tr>
<tr><td>AE Lock</td><td>(1) Auto AE lock<br>• In the One-Shot AF mode with evaluative metering, AE lock takes effect when focus is achieved.<br><br>(2) Manual AE lock<br>• In the P, Tv, Av and M modes, enabled with the AE lock button. (Press again to update.)<br>• Enabled in all metering modes.</td></tr>
<tr><td colspan="2">Shutter</td></tr>
<tr><td>Type</td><td>Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled</td></tr>
<tr><td>Shutter Speeds</td><td>1/4000 to 30 sec., bulb (Total shutter speed range. Available range varies by shooting mode.)</td></tr>
<tr><td>Shutter Release</td><td>Soft-touch electromagnetic release</td></tr>
<tr><td>Self Timer</td><td>10-sec. delay, 2-sec. delay, continuous shooting (after 10 sec., 2 to 10 shots)</td></tr>
<tr><td>Shutter Lag Time</td><td>(1) With SW-1 ON, time lag between SW-2 ON and start of exposure: approx. 0.060 sec.<br>(2) Time lag between simultaneous SW-1/SW-2 ON and start of exposure: approx. 0.250 sec.<br>a. Time lag with the aperture stopped down by 3 stops or less from the open aperture.<br>Excludes AF operation time.</td></tr>
<tr><td colspan="2">External Speedlite</td></tr>
<tr><td>Flash Metering</td><td>E-TTL II autoflash (Evaluative, Average), FE Lock</td></tr>
<tr><td>Flash Exposure Compensation</td><td>±3 stops in 1/3- or 1/2-stop increments</td></tr>
<tr><td>FE Lock</td><td>Provided</td></tr>
<tr><td>External Flash Settings</td><td>(1) External flash control<br>• Flash firing, E-TTL II metering, Flash synchronization speed in Av mode, Flash mode, Radio transmission wireless functions, Optical wireless functions, Flash zoom, Shutter synchronization, Flash exposure compensation, Flash exposure bracketing and Clear settings.<br>(2) External flash Custom Function setting<br>• The setting options for both (1) and (2) will differ depending on the Speedlite used.</td></tr>
<tr><td colspan="2">Drive System</td></tr>
<tr><td>Drive mode and Continuous shooting speed during viewfinder shooting</td><td>(1) Single shooting<br>(2) High-speed continuous shooting<br>• Max. approx. 6.5 shots/sec.<br>• Maximum continuous shooting speed with 1/500 sec. or faster shutter speed, maximum aperture (varies depending on the lens), Anti-flicker shooting set to Disable, with a fully-charged Battery Pack LP-E6N and at room temperature (73°F/23°C).<br>• With the AF mode set to One-Shot AF and the Image Stabilizer turned off when using the following lenses: EF 300mm f/4L IS USM, EF 28–135mm f/3.5–5.6 IS USM, EF 75–300mm f/4–5.6 IS USM, EF 100–400mm f/4.5–5.6L IS USM.<br>• For anti-flicker shooting: max. approx. 5.6 shots/sec.<br>(3) Low-speed continuous shooting<br>• Max. approx. 3.0 shots/sec.<br>• In the Panning mode, the maximum speed is approx. 4.3 shots/sec.<br>(4) Silent single shooting<br>(5) Silent continuous shooting<br>• Max. approx. 3.0 shots/sec.<br>(6) Self-timer: 10 sec./remote control<br>(7) Self-timer: 2 sec./remote control<br>(8) Self-timer: Continuous shooting (after 10-sec., 2 to 10 shots)</td></tr>
</table>

**Maximum Burst**

| Image-recording Quality | Image File Size (approx. MB) | Possible Shots (approx.) | Maximum Burst (approx.) | |
|---|---|---|---|---|
| | | | Standard | High-speed (UHS-I) |
| Large (Fine) | 7.5 | 1000 | 110 | 150 |
| Large (Normal) | 3.8 | 1950 | 150 | 150 |
| Medium (Fine) | 4 | 1870 | 150 | 150 |
| Medium (Normal) | 2.1 | 3570 | 150 | 150 |
| Small 1 (Fine) | 2.6 | 2820 | 150 | 150 |
| Small 1 (Normal) | 1.4 | 5310 | 150 | 150 |
| Small 2 | 1.8 | 4170 | 150 | 150 |
| RAW | 32.6 | 200 | 18 | 21 |
| mRAW | 25.3 | 250 | 21 | 23 |
| sRAW | 17.4 | 340 | 25 | 25 |
| RAW + Large (Fine) | 32.6 + 7.5 | 340 | 25 | 25 |
| mRAW + Large (Fine) | 25.3 + 7.5 | 200 | 18 | 18 |
| sRAW + Large (Fine) | 17.4 + 7.5 | 250 | 19 | 19 |

- The number of possible shots and maximum burst (standard) apply to an 8GB card based on Canon's testing standards. The maximum burst (High-speed) apply to a 16GB card based on Canon's testing standards.
- The file size, number of possible shots and maximum burst vary depending on shooting conditions (aspect ratio of 3:2, subject, memory card brand, ISO speed, Picture Style, etc.)
- "Full" indicates that shooting is possible until the card becomes full.

## Live View Functions

**Shooting Modes**

Still photo shooting and video shooting

**Focusing**

(1) Dual Pixel CMOS AF
- Dual Pixel CMOS AF is possible with all EF lenses.
- Contrast AF is not provided.

(2) Manual focus
- Magnifying the image by 5x or 10x for manual focus possible.

**Metering Modes**

Real-time metering with image sensor
- AE lock possible. The metering timer can be changed.

(1) Evaluative metering (315-zone)
(2) Partial metering (center, approx. 6.3% of Live View screen)
(3) Spot metering (center, approx. 2.7% of Live View screen)
(4) Center-weighted average metering

**Metering Range**

EV 0–20 (at 73°F/23°C, ISO 100, evaluative metering)

**Grid Display**

(1) Off
(2) 3 x 3
(3) 6 x 4
(4) 3 x 3 + diag

## Video Shooting

**File Format**

MP4
Video: MPEG-4 AVC / H.264
- Variable (averaged) bit rate

Audio: AAC
MOV
Motion JPEG (4K 29.97, time-lapse movies only)
ALL-I (FHD 29.97, time-lapse movies only)

### Video Recording Size and Frame Rates

| NTSC | | |
|---|---|---|
| 1920 x 1080 | 59.94 fps | IPB (Standard) |
| | 29.97 fps | IPB (Standard) |
| | | IPB (Light) |
| | 23.98 fps | IPB (Standard) |
| 1280 x 720 | 59.94 fps | IPB (Standard) |
| | 29.97 fps | IPB (Light) |

### Continuous Shooting Time

| Video Recording Size | | | Total Recording Time on Card (approx.) | | | File Size (approx.) | Bit Rate (approx.) |
|---|---|---|---|---|---|---|---|
| | | | 4GB | 16GB | 64GB | | |
| 1920 x 1080 | 59.94 fps | IPB (Standard) | 17 min. | 70 min. | 283 min. | 431 MB/min. | 60 Mbps |
| | 29.97 fps<br>23.98 fps | IPB (Standard) | 35 min. | 140 min. | 563 min. | 216 MB/min. | 30 Mbps |
| | 29.97 fps | IPB (Light) | 86 min. | 347 min. | 1391 min. | 87 MB/min. | 12 Mbps |
| 1280 x 720 | 59.94 fps | IPB (Standard) | 40 min. | 162 min. | 649 min. | 184 MB/min. | 26 Mbps |
| | 29.97 fps | IPB (Light) | 250 min. | 1001 min. | 4004 min. | 30 MB/min. | 4 Mbps |
| HDR Movie<br>1920 x 1080 | 29.97 fps | IPB (Standard) | 35 min. | 140 min. | 563 min. | 216 MB/min. | 30 Mbps |
| Time-Lapse Movie<br>3840 x 2160 | 29.97 fps | Motion JPEG | 2 min. | 8 min. | 34 min. | 3576 MB/min. | 500 Mbps |
| Time-Lapse Movie<br>1920 x 1080 | 29.97 fps | ALL-I | 11 min. | 47 min. | 189 min. | 643 MB/min. | 90 Mbps |

• If the recording time reaches 29 min. 59 sec., the movie shooting stops automatically.
• Movie shooting does not stop automatically even if the file size reaches 4GB. (When an SDXC card is formatted in exFAT, a movie will be recorded in a single movie file even if it exceeds 4GB.)

| | |
|---|---|
| **Focusing** | (1) Dual Pixel CMOS AF<br>• Contrast AF is not possible.<br>(2) Manual focus<br>• Magnifying the image by 5x or 10x for manual focus possible (not possible during movie shooting). |
| **Range** | Full range (0–255) |

### Exposure Control

| Shooting Mode | Frame Rate | Shutter Speed (sec.) | | Aperture Value | | ISO Speed (recommended exposure index) | |
|---|---|---|---|---|---|---|---|
| | | Auto Setting | Manual Setting | Auto Setting | Manual Setting | Auto Setting | Manual Setting |
| Program AE for movie shooting | 23.98 | 1/4000–1/30 | | Yes | | ISO 100*1–25600*2 | ISO 100*1,3–25600*3 |
| | 29.97 | 1/4000–1/30 | | | | | |
| | 59.94 | 1/4000–1/60 | | | | | |
| Manual exposure for movie shooting | 23.98 | | 1/4000–1/25 | | Yes | ISO 100*1–25600*2 | ISO 100–25600*4 |
| | 29.97 | | 1/4000–1/30 | | | | |
| | 59.94 | | 1/4000–1/60 | | | | |

*1 ISO 200–25600 will be set if Highlight tone priority is set to Enable.
*2 The maximum limit for ISO Auto can be set to ISO 6400, ISO 12800, H1 (ISO 51200) or H2 (102400).
*3 According to the settings for [Range for ISO Auto], Maximum limit and Minimum limit.
*4 Maximum limit settable within the range of ISO 400–25600 for ISO Auto in Time-lapse movies.

| | |
|---|---|
| **Exposure Compensation** | ±3 stops in 1/3- or 1/2-stop increments |
| **LCD Monitor** | |
| **Type** | TFT color, liquid-crystal monitor |
| **Monitor Size** | 3.0-inch (screen aspect ratio of 3:2)<br>Approx. 3.03 in./7.70cm diagonal (approx. 2.51 in./6.37cm width, approx. 1.67 in/4.25cm height) |
| **Dots** | Approx. 1.04 million dots |
| **Coverage** | Approx. 100% vertically<br>Approx. 100% horizontally<br>(with aspect ratio of 3:2/JPEG Large/Fine)<br>Excluding when distortion correction is applied. |
| **Brightness Control** | Adjustable to one of seven brightness levels |
| **Coating** | Clear View LCD II<br>• Anti-smudge coating applied.<br>• Anti-reflection coating not applied. |
| **Interface Languages** | 25 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Japanese) |
| **Playback** | |
| **Display Format** | (1) Single-image display<br>• No information display<br>• Basic information display<br>• Detailed shooting information display<br>○ Basic shooting information<br>○ Lens information and RGB histogram<br>○ White balance<br>○ Picture Style and sharpness<br>○ Contrast, color saturation and color tone<br>○ Color space and noise reduction<br>○ Lens aberration correction<br>○ GPS information<br>(2) Index display<br>• 4-image<br>• 9-image<br>• 36-image<br>• 100-image |
| **Highlight Alert** | Overexposed highlight areas with no image data will blink. |
| **Histogram** | Brightness and RGB |
| **Quick Control Function** | |
| **Items** | Pressing the Quick Control button displays the Quick Control screen during viewfinder shooting, Live View shooting, movie shooting and playback.<br>After selecting an item, you can select contents by operating the Main Dial. |
| **Image Protection and Erase** | |
| **Protection** | (1) Single image (select image)<br>(2) Select range<br>(3) All images in a folder<br>(4) All images on card<br>(5) All found images (only during image search) |

| | |
|---|---|
| **Erase** | Except protected images<br>(1) Select image to erase<br>(2) Select range<br>(3) All images in a folder<br>(4) All images on card<br>(5) All found images (only during image search) |
| **Direct Printing** | |
| **Compatible Printers** | Images can be sent via Wi-Fi® to a PictBridge-compatible (Wireless LAN) printer and printed. |
| **DPOF: Digital Print Order Format** | |
| **DPOF** | Compliant to DPOF Version 1.1 |
| **Wi-Fi®** | |
| **Standards Compliance** | IEEE 802.11b/g/n |
| **Transmission Method** | DS-SS modulation (IEEE 802.11b)<br>OFDM modulation (IEEE 802.11g/n) |
| **Transmission Range** | Approx. 15 m/49.2 ft.<br>*When communicating with a smartphone<br>*With no obstructions between the transmitting and receiving antennas and no radio interference |
| **Transition Frequency (Central Frequency)** | Frequency: 2412 to 2462 MHz<br>Channels: 1 to 11 channels |
| **Connection Method** | Camera Access Point Mode and Infrastructure mode |
| **Security** | Authentication method: Open system, Shared key, WPA/WPA2-PSK<br>Encryption: WEP, TKIP, AES |
| **Communication with a Smartphone** | Images can be viewed, controlled, and received using a smartphone.<br>Remote control of the camera using a smartphone is possible.<br>Images can be sent to a smartphone. |
| **Transfer Images Between Cameras** | Transferring one image, transferring selected images, transferring resized images |
| **Connect to Connect Station** | Images can be sent to and saved on Connect Station. |
| **Remote Operation Using EOS Utility** | Remote control functions and image viewing functions of EOS Utility can be used wirelessly. |
| **Print from Wi-Fi® Printers** | Images can be sent to a Wi-Fi® printer. |
| **Send Images to a Web Service** | Images in the camera or links to images can be sent to registered Web services. |
| **NFC** | |
| **Standards Compliance** | NFC Forum Type 3/4 Tag compliant (dynamic) |
| **Bluetooth®** | |
| **Standards Compliance** | Bluetooth Specification Version 4.1 compliant (Bluetooth low energy technology) |
| **Transmission Method** | GFSK modulation |
| **GPS Functions** | |
| **Compatible Satellites** | GPS satellites (USA), GLONASS satellites (Russia), Quasi-Zenith Satellite System (QZSS) MICHIBIKI (Japan) |
| **GPS Signal Reception Modes** | Mode 1, Mode 2 |

<table>
<tr><td>Geotag Information Appended to Image</td><td>Latitude, Longitude, Elevation, Coordinated Universal Time (UTC), Satellite signal acquisition status</td></tr>
<tr><td>Position Update Interval</td><td>1 sec., 5 sec., 10 sec., 15 sec., 30 sec., 1 min., 2 min., 5 min.</td></tr>
<tr><td>Time Setting</td><td>GPS time data set to camera</td></tr>
<tr><td>Log Data</td><td>One file per day, NMEA format<br>*Change in time zone creates another file.<br>*The log data saved in internal memory can be transferred to a card or downloaded to a computer as a log file.</td></tr>
<tr><td>Log Data Deletion</td><td>Possible</td></tr>
<tr><td colspan="2">Customization</td></tr>
<tr><td>Custom Functions</td><td>28 Custom Functions settable with the camera</td></tr>
<tr><td>Custom Controls</td><td>Functions can be assigned to the following control parts:<br>• Shutter button (halfway pressing)<br>• AF-ON button<br>• AE lock button<br>• Depth of field preview button<br>• Lens AF stop button<br>• SET button<br>• Main Dial<br>• Quick Control Dial<br>• Multi controller</td></tr>
<tr><td>My Menu Registration</td><td>• Up to six items from the menu items and the top-tier items of Custom Functions can be registered to each tab.<br>• Up to five My Menu tabs can be added.<table><tr><td>My Menu tab overall operations</td><td>• Adding a tab<br>• Deleting tabs in a batch<br>• Deleting all tab items<br>• Setting the menu display</td></tr><tr><td>My Menu tab detailed operations</td><td>• Selecting a registered item<br>• Sorting registered items<br>• Deleting selected registered items<br>• Deleting registered items in a batch<br>• Deleting tabs<br>• Changing a tab name (16 ASCII characters)</td></tr></table></td></tr>
<tr><td colspan="2">Interface</td></tr>
<tr><td>USB Terminal</td><td>Hi-Speed USB (USB 2.0)<br>• For PC communication<br>• For Connect Station connection</td></tr>
<tr><td>Video Out Terminal</td><td>Type C (Resolution switches automatically)<br>• Video is not displayed unless the video system is correctly set for the connected TV set, [NTSC] or [PAL].</td></tr>
<tr><td>Extension System Terminal</td><td>3.5mm diameter stereo mini jack<br>• Directional Stereo Microphone DM-E1 or commercially available external microphone connectable.</td></tr>
<tr><td colspan="2">Power Source</td></tr>
<tr><td>Battery</td><td>Battery Pack LP-E6N (or LP-E6) x 1<br>• With the AC Adapter + DC Coupler, AC power drive is possible.<br>• When the Battery Grip BG-E21 is used, two battery packs (LP-E6N or LP-E6) can be installed.</td></tr>
</table>

<table>
<tr><td>Battery Life</td><td>
<table>
<tr><th>Mode</th><th>Shooting Method</th><th>Battery</th><th>Temperature</th><th>Possible Shots (Approx.)</th></tr>
<tr><td rowspan="4">Camera body only</td><td rowspan="2">Viewfinder shooting</td><td rowspan="4">LP-E6N</td><td>At 73°F/23°C</td><td>1200</td></tr>
<tr><td>At 32°F/0°C</td><td>1100</td></tr>
<tr><td rowspan="2">Live View shooting</td><td>At 73°F/23°C</td><td>380</td></tr>
<tr><td>At 32°F/0°C</td><td>340</td></tr>
<tr><td rowspan="4">With Battery Grip BG-E21</td><td rowspan="2">Viewfinder shooting</td><td rowspan="4">LP-E6N x 2</td><td>At 73°F/23°C</td><td>2400</td></tr>
<tr><td>At 32°F/0°C</td><td>2200</td></tr>
<tr><td rowspan="2">Live View shooting</td><td>At 73°F/23°C</td><td>760</td></tr>
<tr><td>At 32°F/0°C</td><td>680</td></tr>
</table>
</td></tr>
<tr><td>Battery Check</td><td>Automatic battery check when the power switch is turned ON. Displayed in 6 levels.<br>• Battery level can be checked on the LCD panel and in the viewfinder.<br>• 6 level indicator displayed in use with LP-E6N and LP-E6 and the display for other power sources will differ.</td></tr>
<tr><td>Power Saving</td><td>Power automatically turns off after the set time (1, 2, 4, 8 or 15 min.) of non-operation elapses.</td></tr>
<tr><td>Date/Time Battery</td><td>Built-in secondary battery<br>When fully-charged, the date/time can be maintained for approx. 3 months<br>• Recharge time: approx. 8 hrs.<br>○ To become capable to maintain the right date/time for 3 months after main battery power depletion.</td></tr>
<tr><td>Start-up Time</td><td>Approx. 0.2 sec. (based on CIPA testing standards)</td></tr>
<tr><td colspan="2">Dimensions and Weight</td></tr>
<tr><td>Dimensions (W x H x D)</td><td>Approx. 5.67 x 4.35 x 2.94 in. (144.0 x 110.5 x 74.8mm)<br>• CIPA compliant.</td></tr>
<tr><td>Weight</td><td>Approx. 765g / 26.98 oz. (including battery and card)<br>Approx. 685g / 24.16 oz. (body only)</td></tr>
<tr><td colspan="2">Operating Environment</td></tr>
<tr><td>Working Temperature Range</td><td>32–104°F / 0–40°C</td></tr>
<tr><td>Working Humidity Range</td><td>85% or less</td></tr>
</table>