

## Specifications

**Type** : Compact digital still camera with built-in flash, 50x Optical, 4x Digital and 200x Combined Zoom with Optical Image Stabilizer

### [Collapse All](#)

### [Image Capture Device](#)

**Type** :16.0 Megapixel, 1/2.3-inch CMOS

**Total Pixels** :Approx. 16.8 Megapixels

**Effective Pixels** :Approx. 16.0 Megapixels\*

\*Image processing may cause a decrease in the number of pixels.

### [Lens](#)

**Focal Length** :4.3 (W) - 215.0 (T) mm (35mm film equivalent: 24-1200mm)

**Optical Zoom** :50x

**Digital Zoom** : 4.0x

**Focusing Range** : Normal: 2.0 in. (5cm) - infinity (W), 4.3 ft. (1.3m) - infinity (T)

Auto/Manual: 0.0 in. (0cm) - infinity (W), 4.3 ft. (1.3m) - infinity (T)

Macro AF: 0.0 in. - 1.6 ft. (0-50cm) (W)

**Autofocus System** :TTL Autofocus, Manual Focus

### [Viewfinders](#)

**Optical Viewfinder** :Not available

**LCD Monitor** :3.0-inch TFT Color LCD with wide viewing angle (4:3)

**LCD Pixels** :Approx. 461,000 dots

**LCD Coverage** :Approx. 100%

### [Aperture and Shutter](#)

**Maximum Aperture** : f/3.4 (W), f/6.5 (T)

**Shutter Speed** : 1-1/2000 sec.  
15-1/2000 sec. (in Tv and M modes)

### Exposure Control

**Sensitivity** : Auto, ISO 100-3200

**Light Metering Method** : Evaluative, Center-weighted average, Spot

**Exposure Control Method** : Manual Exposure, Program Shift, Safety Shift, AE Lock

**Exposure Compensation**: Still Images:  $\pm 2$  stops in 1/3-stop increments  
Videos:  $\pm 2$  stops in 1/3-stop increments (not available during shooting)

### White Balance

**White Balance Control** : Auto, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom

### Flash

**Built-in Flash** : Auto, Flash On, Slow Synchro, Flash Off

**Flash Range** :1.6 ft.- 18 ft. (W), 4.3 - 9.8 ft. (T) (50cm - 5.5m (W), (1.3m - 3.0m (T))

**Recycling Time** :10 sec. or less (battery voltage: 3.7 V)

**Flash Exposure Compensation** :  $\pm 2$  stops in 1/3-stop increments

### Shooting Specifications

**Shooting Modes** :

M, Av, Tv, P, Live View Control, Hybrid Auto, Auto, Creative Shot<sup>1</sup>, Portrait, Smart Shutter<sup>2</sup>, High-Speed Burst, Low Light, Snow, Fireworks, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect, Standard Movie:

<sup>1</sup>Auto, Retro, Monochrome, Special and Natural effects

<sup>2</sup>Smile, Wink Self-timer, Face Self-timer Shooting movies is possible with the movie button

## Photo Effects

My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Vivid Blue, Vivid Green, Vivid Red, Custom Color

**Self Timer** : Off / 2 sec. / 10 sec. / Custom

**Wireless Control** :Wi-Fi™ and NFC

## Continuous Shooting :

Normal: Approx. 1.6 shots/sec. (in P mode)

Normal: Approx. 10 shots/sec. (in High-speed Burst mode)

Under conditions where the flash does not fire automatically. Differs depending on the zoom position.

## [Image Storage](#)

**Storage Media:** SD Memory Card, SDHC Memory Card, SDXC Memory Card

**File Format** :Design rule for Camera File system, DPOF (Version 1.1) compliant

**Image Recording Format** : Superfine / Fine

**JPEG Compression Mode** : Still Image: Exif. 2.3 (JPEG)

Video: MP4 (Image: MPEG-4 AVC/H.264; Audio: MPEG-4 AAC-LC (Stereo))

## Number of Recording Pixels :

Still Images:

1) 16:9 - Large: 4608 x 2592; Medium 1: 3264 x 1832; Medium 2: 1920 x 1080;  
Small: 640 x 360

2) 3:2 - Large: 4608 x 3072; Medium 1: 3264 x 2176; Medium 2: 2048 x 1368;

Small: 640 x 424

3) 4:3 - Large: 4608 x 3456; Medium 1: 3264 x 2448; Medium 2: 2048 x 1536;  
Small: 640 x 480

4) 1:1 - Large: 3456 x 3456; Medium 1: 2448 x 2448; Medium 2: 1536 x 1536;  
Small: 480 x 480

\*2304 x 1728 (M) when in High-speed Burst or Low Light

Videos:

Full HD 1920 x 1280: 30 fps (29.97)

HD 1280 x 720: 30 fps (29.97)

Miniature Effect HD 1280 x 720: 6 fps / 3 fps / 1.5 fps

Miniature Effect 640 x 480: 6 fps / 3 fps / 1.5 fps

640 x 480: 30 fps (29.97)

### [Number of Recordable Images](#)

**Image data :**

Note: SF=Superfine, F=Fine\* When in Low Light or High-speed Burst. • The approximate number of images recordable on memory cards other than the above can be calculated by using the above figures as a reference and extrapolating accordingly.

### [Time of Recordable Movies](#)

**Movie data :**

\*<sup>1</sup> Actual frame rate is 29.97 fps.

\*<sup>2</sup> Using an SD Speed Class 10 / UHS-I compatible memory card.

- Recording stops automatically once the file size reaches 4 GB or the memory card becomes full.

### [Playback Specifications](#)

## **Playback Modes File** :Stills & Videos:

Auto Rotate (Automatic vertical/horizontal detection), Image Advance (Transition Effects, Scroll Display), Rotate, Favorites, Smart Shuffle, Group Playback, Slideshow (Repeat, Interval, Effect)

Still Images:Single, Index (6-100 thumbnails), Magnification (2-10x), Information Display, Red-eye Correction, i-Contrast, Resize, My Colors, Histogram, Overexposure Warning, Cropping

## Videos:

Normal Playback<sup>\*1</sup>, Skip Backward<sup>\*2</sup>, Previous Frame<sup>\*3</sup>, Next Frame<sup>\*3</sup>, Skip Forward<sup>\*2</sup>

Displays playback position and shooting time Using the software included with the camera (ImageBrowser EX), there are 8 levels (1/8x to 1x) of playback speed for Super Slow Motion Movies possible on a computer.

\*1 Audio settings available in 5 levels

\*2 Approximately 4 seconds

\*3 Slow motion available

## [Erasing Specifications](#)

**Erase Modes** :Select Image, Select Range, Select All Images

The image data in the memory card stored with the Design rule for Camera File systems format can be erased (however, protected images cannot be erased). Using the Movie editing function, sections of the movie (1 sec. increments) can be deleted.

## [Interfaces](#)

**Video Out** : NTSC/PAL (dedicated connector (female) with unified type of digital, audio and video), Mini-HDMI connector

**Audio Out** : Stereo (dedicated connector (female) with unified type of digital, audio and video)

**Other** : USB, SD memory card slot; direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers

**Power Source** : Battery Pack NB-6LH, Compact Power Adapter CA-DC10 (included with AC Adapter Kit ACK-DC40)

### Shooting Capacity

Approx. 210 shots

Approx. 290 shots in ECO Mode

Video Recording Time: Approx. 45 min

**Playback Time** : Approx. 5 hours

### [Physical Specifications](#)

**Operating Temperature** : 32-104°F/0-40°C

**Operating Humidity** :10-90%