

Specifications

Type

Compact digital still camera with built-in flash, 10x Optical, 4x Digital and 40x Combined Zoom with Optical Image Stabilizer

Image Capture Device

[BACK TO TOP ^](#)

Type

20.0 Megapixel, 1/2.3-inch CCD

Total Pixels

Approx. 20.5 Megapixels

Effective Pixels

Approx. 20.0 Megapixels

Lens

[BACK TO TOP ^](#)

Focal Length

4.3 (W) - 43.0 (T) mm (35mm film equivalent: 24-240mm)

Optical Zoom

10x

Digital Zoom

4x

Focusing Range

Auto: 0.4 in. (1 cm) - infinity (W, 3.3 ft. (1 m) - infinity (T);

Normal: 2.0 in. (5 cm) - infinity (W), 3.3 ft. (1 m) - infinity (T);

Macro: 0.4 in. - 1.6 ft. (1-50 cm) (W);

Infinity: 9.8 ft. (3 m) - infinity (W,T)

Autofocus System

TTL Autofocus

Viewfinders

[BACK TO TOP ^](#)

Optical Viewfinder

Not Available

LCD Monitor

2.7-inch TFT Color LCD with wide viewing angle

LCD Pixels

Approx. 230,000 dots

LCD Coverage

Approx. 100%

Aperture and Shutter

[BACK TO TOP ^](#)

Maximum Aperture

f/3.0 (W), f/6.9 (T)

Shutter Speed

1-1/2000 sec.

15-1 sec. (Shooting long exposures)

Exposure Control

[BACK TO TOP ▲](#)

Sensitivity

Auto, ISO 100-1600

Light Metering Method

Evaluative*, Center-weighted average, Spot**

* Facial brightness is evaluated in Face Detection AF

** Metering frame is fixed to the center

Exposure Control Method

Manual Exposure, Program Shift, Safety Shift, AE Lock

Exposure Compensation

Still Images: ± 2 stops in 1/3-stop increments

Videos: ± 2 stops in 1/3-stop increments (not available during shooting)

White Balance

[BACK TO TOP ▲](#)

White Balance Control

Auto*, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom

* Camera automatically sets the optimal ISO speed according to shooting mode.

Flash

[BACK TO TOP ▲](#)

Built-in Flash

Auto, Flash On, Slow Synchro, Flash Off

- Facial brightness is also evaluated in Face Detect.

Flash Range

1.6 ft. - 13 ft. (W), 3.3 - 6.6 ft. (T) (50cm - 4.0m (W), (1.0m - 2.0m (T))

Image brightness may diminish depending on the shooting distance

Recycling Time

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

Flash Exposure Compensation

Not available

Shooting Specifications

[BACK TO TOP ▲](#)

Shooting Modes

Auto, P, Live View Control, Portrait, Face Self-timer, Low Light, Fisheye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect, Snow, Fireworks, Long Shutter

- Shooting movies is possible with the movie button

Photo Effects

Not available

Self Timer

Approx. 10-sec. delay/approx. 2-sec. delay/custom*

* Delay time (0-15 sec. (in one-second increments), 20/25/30 sec.) and number of shots (1-10 shots (in one-shot increments)) can be specified.

Wireless Control

Not available

Continuous Shooting

Continuous Shooting

Normal: Approx. 0.8 shots/sec. (in P mode)

Normal: Approx. 2.2 shots/sec. (in Low Light mode)

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

Image Storage

[BACK TO TOP](#)

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

Fine

JPEG Compression Mode

Still Image: Exif. 2.3 (JPEG)

Video: MOV (Image: MPEG-4 AVC/H.264; Audio: Linear PCM (Monaural))

Number of Recording Pixels

Still Images (4:3 Aspect Ratio):

Large: 5152 x 3864

Medium 1: 3648 x 2736

Medium 2: 2048 x 1536

Small: 640 x 480

Wide: 5152 x 2896

Videos:

HD 1280 x 720: 25 fps

Miniature Effect HD 1280 x 720: 5 fps / 2.5 fps / 1.25 fps

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

640 x 480: 30 fps (29.97)

Number of Recordable Images

[BACK TO TOP](#)

Image data

		4:3		
		File Size (KB)	8 GB	32 GB
Large (L)	F	5,583	1,395	5,632
Medium 1 (M1)	F	3,018	2,558	10,326
Medium 2 (M2)	F	893	8,469	34,184
Small (S)	F	150	40,937	165,225
Medium* (M)	F	1,848	4,162	16,802
Wide (W)	F	4,444	1,753	7,080

Note: F=Fine

* When in Low Light.

• 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

[BACK TO TOP](#)

Movie data

	Miniature Effect		Other	
	HD: 1280 x 720	640 x 480	HD: 1280 x 720	640 x 480

	5x	10x	20x	5x	10x	20x		
	5 fps*1	2.5 fps*1	1.25 fps*1	6 fps*2	3 fps*2	1.5*2 fps	25 fps	30 fps*3
Movie Size (KB/sec.)	318	159	79	83	41	21	1,780	606
8GB	6 hrs. 40 min. 07 sec.	13 hrs. 01 min. 08 sec.	24 hrs. 46 min. 50 sec.	23 hrs. 42 min. 12 sec.	43 hrs. 36 min. 51 sec.	75 hrs. 11 min. 50 sec.	1 hr. 11 min. 43 sec.	3 hrs. 24 min. 26 sec.
32GB	26 hrs. 56 min. 23 sec.	52 hrs. 35 min. 36 sec.	100 hrs. 06 min. 24 sec.	95 hrs. 45 min. 15 sec.	176 hrs. 11 min. 17 sec.	303 hrs. 46 min. 22 sec.	4 hrs. 49 min. 46 sec.	13 hrs. 45 min. 52 sec.

*1 Playback frame rate is 25 fps.

*2 Playback frame rate is 30 fps*3.

*3 Actual frame rate is 29.97 fps.

Playback Specifications

[BACK TO TOP ^](#)

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

Videos:

Normal Playback*1, Skip Backward*2, Previous Frame*3, Next Frame*3, Skip Forward*2

- Displays playback position and shooting time

*1 Audio settings available in 5 levels *2 Approximately 4 seconds *3 Slow motion available

Erasing Specifications

[BACK TO TOP ^](#)

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 can be deleted.

Interfaces

[BACK TO TOP ^](#)

Video Out

NTSC/PAL (dedicated connector (female) with unified type of digital, audio and video)

Audio Out

Monaural (dedicated connector (female) with unified type of digital, audio and video)

Other

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

Power Source

Battery Pack NB-11LH/NB-11L, AC Adapter Kit ACK-90

Shooting Capacity

Approx. 230 shots

Approx. 310 shots in ECO Mode

Playback Time

Approx. 5 hours

Approx. 3 hours

Physical Specifications

[BACK TO TOP](#) 

Operating Temperature

32-104°F/0-40°C

Operating Humidity

10-90%

Dimensions (W x H x D)

3.75 x 2.24 x 0.93 in. / 95.3 x 56.8 x 23.7mm

Weight

5.01 oz. / 142g (CIPA standard)

4.41 oz. / 125g (Body only)

All data are based on Canon's Standard Test Method. Subject to change without notice.
Canon, DIGIC, ELPH, PIXMA, PowerShot and SELPHY are registered trademarks of Canon Inc. in the United States and may also be registered trademarks or trademarks in other countries. Microsoft, Windows and Windows Vista are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Mac is a trademark of Apple, Inc., registered in the United States and other countries. All other products and brand names are registered trademarks, trademarks or service marks of their respective owners in the United States and/or other countries.