

Specifications

Type

Compact digital camera with built-in flash, 8x Optical, 4x Digital, and 32x Combined Zoom

Image Capture Device

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Type

12.1 Megapixel, 1/2.3-inch CMOS

Total Pixels

Approx. 12.8 Megapixels

Effective Pixels

Approx. 12.1 Megapixels

Lens

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Focal Length

5.0 (W) - 40.0 (T) mm (35mm film equivalent: 28 (W) - 224 (T) mm)

Optical Zoom

8x

Digital Zoom

4x

Focusing Range

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

Autofocus System

TTL Autofocus

Viewfinders

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Optical Viewfinder

N/A

LCD Monitor

2.8-inch TFT Color Tilt Capacitive Touch LCD (up to 90°)

LCD Pixels

Approx. 461,000 dots

LCD Coverage

Approx. 100%

Aperture and Shutter

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Maximum Aperture

f/3.0 (W) - f/5.9 (T)

Shutter Speed

1 - 1/2000 sec.

15 - 1/2000 sec. (Total shutter speed range)

Exposure Control

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Sensitivity

Auto, ISO 80/100/200/400/800/1600/3200/6400 (in P mode)

Light Metering Method

Evaluative, Center-weighted average, Spot

Exposure Control Method

N/A

Exposure Compensation

+/-2 stops in 1/3 stop increments

(Not available when shooting movies)

White Balance[BACK TO TOP ▲](#)**White Balance Control**

Auto, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H

Flash[BACK TO TOP ▲](#)**Built-in Flash**

Auto, On, Slow Synchro, Off

Flash Range

50 - 90 cm (W) (1.6 - 3.0ft. (W))*1*2

*1 10-50 cm (3.9in - 1.6ft.) when the scene is detected as Macro.

*2 The telephoto focusing range is beyond the flash metering range.

Recycling Time

10 seconds or less (battery voltage: 3.7 V)

Flash Exposure Compensation

N/A

Shooting Specifications[BACK TO TOP ▲](#)**Shooting Modes**

Auto, Hybrid Auto, P, Creative Shot, Fisheye Effect, Miniature Effect, Toy Camera Effect, Soft Focus, Monochrome, Super Slow Motion Movie

- Shooting movies is possible with the movie button in a still image mode*.

* Modes that inherit the image effects available in still image shooting (in other modes, movies equivalent to those captured in P mode are produced): P, Auto, Miniature Effect and Monochrome

Photo Effects

N/A

Self Timer

Approx. 10-sec. delay, approx. 2-sec. delay

Wireless Control

N/A

Continuous Shooting

Approx. 2.3 shots/sec. (in P mode)

Image Storage[BACK TO TOP ▲](#)**Storage Media**

microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card

File Format

Design rule for Camera File system, DPOF (Version 1.1) compatible

JPEG Compression Mode

Still Images: Exif 2.3 (JPEG)

Movies: MOV (Image data: H.264; Audio data: Linear PCM (2 channel monoaural))

Number of Recording Pixels

Still Images:

1) 16:9 - Large: 4000 x 2248; Medium 1: 2816 x 1584; Medium 2: 1920 x 1080; Small: 640 x 360

2) 3:2 - Large: 4000 x 2664; Medium 1: 2816 x 1880; Medium 2: 1600 x 1064; Small: 640 x 424

3) 4:3 - Large: 4000 x 3000; Medium 1: 2816 x 2112; Medium 2: 1600 x 1200; Small: 640 x 480

4) 1:1 - Large: 2992 x 2992; Medium 1: 2112 x 2112; Medium 2: 1200 x 1200; Small: 480 x 480

Movies:

[Digest Movie]

1280 x 720 (30 fps)

[Super Slow Motion Movie]

640 x 480*1 (120 fps)/320 x 240*1 (240 fps)

[Miniature Effect]

1280 x 720*2 / 640 x 480*2

[Other than the above]

1920 x 1080 (24 fps*3) / 1280 x 720 (30 fps*4) / 640 x 480 (30 fps*4)

*1 Playback frame rate is 30 fps. (29.97)

*2 Shooting: 6 fps / 3 fps / 1.5 fps, Playback: 30 fps. (29.97)

*3 Actual frame rate is 23.976 fps.

*4 Actual frame rate is 29.97 fps.

Number of Recordable Images

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Image data

		16:9			3:2			4:3		
		File Size (KB)	4GB	16GB	File Size (KB)	4GB	16GB	File Size (KB)	4GB	16GB
Large (L)	F	2,915	1,297	5,224	3,247	1,171	4,717	3,537	1,077	4,338
Medium 1(M1)	F	1,814	2,081	8,377	1,945	1,947	7,837	2,073	1,829	7,362
Medium 2(M2)	F	604	6,036	24,296	496	7,102	28,583	558	6,354	25,574
Small (S)	F	113	24,149	97,186	133	20,124	80,988	150	20,124	80,988

		1:1		
		File Size (KB)	4GB	16GB
Large (L)	F	2,640	1436	5,784
Medium 1(M1)	F	1,549	2414	9,718
Medium 2(M2)	F	420	8,049	32,395
Small (S)	F	113	24,149	97,186

• 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.

Movie data

	Miniature Effect						Super Slow Motion Movie	
	HD: 1280 x 720			SD: 640 x 480			640 x 480	320 x 240
	5x	10x	20x	5x	10x	20x	120 fps*2	240 fps*2
	6 fps*2	3 fps*2	1.5 fps*2	6 fps*2	3 fps*2	1.5 fps*2		
Movie Size (KB/sec.)	573	287	143	246	123	61	4,914	2,457
4GB	1 hr. 45 min. 38 sec.	3 hr. 20 min. 44 sec.	5 hr. 34 min. 33 sec.	3 hr. 43 min. 02 sec.	6 hr. 41 min. 28 sec.	11 hr. 09 min. 08 sec.	12 min. 56 sec.	25 min. 43 sec.
16GB	7 hr. 05 min. 59 sec.	13 hr. 29 min. 22 sec.	22 hr. 28 min. 57 sec.	14 hr. 59 min. 18 sec.	26 hr. 58 min. 45 sec.	44 hr. 57 min. 56 sec.	52 min. 12 sec.	1 hr. 43 min. 45 sec.

	Other		
	Full HD: 1920 x 1080	HD: 1280 x 720	SD: 640 x 480
	24 fps*3	30 fps*1	30 fps*1
Video Size (KB/sec.)	4,355	3,054	1,416
4GB	14 min. 32 sec.	20 min. 41 sec.	43 min. 37 sec.
16GB	58 min. 38 sec.	1 hr. 23 min. 26 sec.	2 hr. 55 min. 56 sec.

*1 Playback frame rate is 29.97 fps.

*2 Playback frame rate is 30 fps*3.

*3 Actual frame rate is 23.976 fps.

- Files up to 4GB can be taken with continuous shooting.
- Super Slow Motion Movie: approx. 30 sec. one-time.
- The approximate number of videos recordable on memory cards other than the above can be calculated by using the above figures as a reference and extrapolating accordingly.

Playback Specifications

Playback Modes File

Still Images and Movies:

Auto Rotate, Rotate, Search (Date, Movies, Still Images)

Still Images:

Single, Index (4-100 Thumbnails), Magnification (Approx. 2x-10x), Information Display, Overexposure Warning, Resume Playback, Red-Eye Correction, Photobook Set-up

Movies:

Normal Playback*1, Pause, 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 Rewind and Fast-forward are also available

Erasing Specifications

Erase Modes

Single Image*, Erase All

- 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).

* Movies can be erased individually.

Interfaces

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Computer Interface

Hi-Speed USB (Dedicated connector (female) with unified type of digital, audio and video*1)

*1 mini-B compatible.

Video Out

N/A

Audio Out

N/A

Other

Memory card slot; direct connection to Canon SELPHY Compact Photo Printers, PIXMA Inkjet Photo Printers and PictBridge-compatible printers via camera's USB 2.0 Hi-Speed cable

Power Source

Rechargeable Lithium-ion Battery NB-9L

Shooting Capacity

Normal: Approx. 200 shots

ECO Mode: Approx. 280 shots

Playback Time

Approx. 4 hours

Physical Specifications

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Operating Temperature

32-104°F/0-40°C

Operating Humidity

10-90%

Dimensions (W x H x D)

3.09 x 2.37 x 1.15 in. / 78.6 x 60.2 x 29.3mm

Weight

Approx. 6.14 oz. / 174g (Body only)

Approx. 6.88 oz. / 195g (CIPA Standard)

All data are based on Canon's Standard Test Method. Subject to change without notice.

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