

# Specifications – PowerShot N2

## Type

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

## Image Capture Device

### Type

16.1 Megapixel\*, 1/2.3-inch CMOS

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

### Total Pixels

Approx. 16.8 Megapixels

### Effective Pixels

Approx. 16.1 Megapixels

## Lens

### Focal Length

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

### Digital Zoom

4.0x

### Focusing Range

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

### Autofocus System

TTL Autofocus

Autofocus: Continuous\*

\* In AUTO mode, Servo AF and Servo AE are activated when movement of the main subject is detected and the shutter button is pressed halfway.

## Viewfinders

### Optical Viewfinder

Not available

### LCD Monitor

2.8-inch Tilt Capacitive Touch LCD (up to 180°)

### LCD Pixels

Approx. 461,000 dots

### LCD Coverage

Approx. 100%

## Aperture and Shutter

### Maximum Aperture

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

### Shutter Speed

1-1/2000 sec.

## Exposure Control

**Sensitivity**

Auto, ISO 100 - 3200

**Light Metering Method**

Evaluative, Center-weighted average, Spot

**Exposure Control Method**

Available

**Exposure Compensation**

±2 stops in 1/3-stop increments

(Not available when shooting movies)

**White Balance****White Balance Control**

Auto, Day Light, Cloudy, Tungsten, Fluorescent, Fluorescent H

**Flash****Built-in Flash**

Auto, On, Off

**Flash Range**

1.6 ft. (50 cm) - 5.6 ft. (1.7 m) (W) <sup>\*1, \*2</sup>

\*1 If the scene is determined as macro: 10 - 50 cm (3.9in. - 1.6ft.)

\*2 Out of range at max. telephoto

**Recycling Time**

10 seconds or less (battery voltage: 3.7 V)

**Flash Exposure Compensation**

Not Available

**Shooting Specifications****Shooting Modes**

P, Hybrid Auto, Auto, Creative Shot\*, Self Portrait, Low Light, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Soft Focus, Monochrome, Movie

\*Movies can be shot with Creative Shot effects for movies

**Photo Effects**

Not Available

**Self Timer**

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

**Wireless Control**

Not Available

**Continuous Shooting**

Approx. 2.7 shots/sec. (in Auto, P mode)

**Image Storage**

## 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: MP4 (Image data: MPEG-4 AVC/H.264; Audio data: 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 Low Light

## Number of Recordable Images

### 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	3,673	1,040	4,188	4,148	921	3,708	4,546	838	3,374
Medium 1 (M1)	F	2,141	1,775	7,145	2,335	1,631	6,566	2,513	1,508	6,073
Medium 2 (M2)	F	604	6,036	24,296	793	4,643	18,689	893	4,163	16,755
Small (S)	F	113	24,149	97,186	133	20,124	80,988	150	20,124	80,988
Medium* (M)	F	NA	NA	NA	NA	NA	NA	1,597	2,367	9,527

		1:1		
		File Size (KB)	4GB	16GB
Large (L)	F	3,409	1,117	4,498
Medium 1 (M1)	F	1,880	2,011	8,098
Medium 2 (M2)	F	668	5,488	22,087
Small (S)	F	113	24,149	97,186
Medium* (M)	F	NA	NA	NA

\*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

### Movie data

	Miniature Effect					
	HD: 1280 x 720			SD: 640 x 480		
	5x	10x	20x	5x	10x	20x
	6 fps* <sup>1</sup>	3 fps* <sup>1</sup>	1.5 fps* <sup>1</sup>	6 fps* <sup>1</sup>	3 fps* <sup>1</sup>	1.5 fps* <sup>1</sup>
<b>Movie Size (KB/sec.)</b>	<b>195</b>	<b>98</b>	<b>49</b>	<b>73</b>	<b>37</b>	<b>18</b>
<b>4GB</b>	5 hrs. 15 min. 34 sec.	10 hrs. 05 min. 50 sec.	18 hrs. 46 min. 40 sec.	13 hrs. 08 min. 06 sec.	23 hrs. 47 min. 21 sec.	40 hrs. 23 min. 48 sec.
<b>16GB</b>	21 hrs. 12 min. 38 sec.	40 hrs. 43 min. 15 sec.	75 hrs. 43 min. 35 sec.	52 hrs. 57 min. 51 sec.	95 hrs. 55 min. 27 sec.	162 hrs. 53 min. 25 sec.

	Other		
	Full HD: 1920 x 1080	HD: 1280 x 720	SD: 640 x 480
	30 fps* <sup>2</sup>	30 fps* <sup>2</sup>	30 fps* <sup>2</sup>
<b>Movie Size (KB/sec.)</b>	<b>2,945</b>	<b>992</b>	<b>382</b>
<b>4GB</b>	21 min. 20 sec.	1 hr. 00 min. 49 sec.	2 hrs. 34 min. 24 sec.
<b>16GB</b>	1 hr. 26 min. 05 sec.	4 hrs. 05 min. 15 sec.	10 hrs. 22 min. 35 sec.

\*<sup>1</sup> Playback frame rate is 30 fps\*<sup>2</sup>.

\*<sup>2</sup> Actual frame rate is 29.97 fps.

- 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, Index Continuous, Rotate, Search (Date, Movies, Still Images)

Still Images:

Single, Index, Magnification (Approx. 2x-10x), Information Display, Overexposure Warning, Resume Playback, Photobook Set-up

Movies:

Normal Playback\*<sup>1</sup>, Pause, Skip Backward\*<sup>2</sup>, Previous Frame\*<sup>3</sup>, Next Frame\*<sup>3</sup>, Skip Forward\*<sup>2</sup>, Erase chapters, Editing, Movie Transcoding

## 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

### Computer Interface

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

\*<sup>1</sup> mini-B compatible.

**Video Out**

Not Available

**Audio Out**

Not Available

**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. 270 shots

**Playback Time**

Approx. 3 hours

**Physical Specifications****Operating Temperature**

32-104°F (0-40°C)

**Operating Humidity**

10-90%

**Dimensions (W x H x D)**

3.19 x 2.44 x 1.27 in. / 80.9 x 62.0 x 32.3 mm

**Weight**

Approx. 6.35 oz. / 180 g (Body only)

Approx. 7.09 oz. / 201 g (CIPA Standard)

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

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\*Compatible with iOS versions 6.0/6.1/7.0/7.1, Android smartphone versions 2.3.3/4.0/4.1/4.2/4.3/4.4 and Android tablet versions 4.0/4.1/4.2/4.3/4.4. Data charges may apply.

\*\* Compatible with Android devices version 4.0 or later.

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

† Prices and specifications subject to change without notice. Actual prices are determined by individual dealers and may vary.