

PowerShot SD850 IS

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Specifications

TYPE OF CAMERA

Type of Camera:	Compact digital still camera with built-in flash, 4x Optical/4x Digital/16x Combined Zoom with Optical Image Stabilizer (IS) System
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IMAGE CAPTURE DEVICE

Type:	8.0 Megapixel, 1/2.5 inch type Charge Coupled Device (CCD)
Total Pixels:	Approx. 8.3 Megapixels
Effective Pixels:	Approx. 8.0 Megapixels

LENS

Focal Length:	5.8-23.2mm f/2.8-5.5 (35mm film equivalent: 35-140mm)
Digital Zoom:	4x
Focusing Range:	Normal: 1.6 ft./50cm-infinity Macro: 0.79 in.-1.6 ft./2-50cm (WIDE), 1.3-1.6 ft./40-50cm (TELE) Digital Macro: 0.79 in.-1.6 ft./2-50cm (W)
Autofocus System:	TTL Autofocus

VIEWFINDERS

Optical Viewfinder:	Real-image optical zoom viewfinder
LCD Monitor:	2.5-inch low-temperature polycrystalline silicon TFT colour LCD
LCD Pixels:	Approx. 230,000 pixels
LCD Coverage:	100%

APERTURE AND SHUTTER

Maximum Aperture:	f/2.8 (W) - f/5.5 (T)
Shutter Speed:	15-1/1600 sec.

EXPOSURE CONTROL

ISO Sensitivity:	Auto, High ISO Auto, ISO 80/100/200/400/800/1600 equivalent (Standard Output Sensitivity. Recommended Exposure Index)
Light Metering Method:	Evaluative*, Centre-weighted average, Spot** * Control to incorporate facial brightness in Face Detection AF ** Metering frame is fixed to the centre Program AE; AE lock available
Exposure Compensation:	+/-2 stops in 1/3-stop increments

WHITE BALANCE

White Balance Control:	Auto, Preset (Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H), Custom
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FLASH

Built-in Flash:	Auto, Auto w/ Red-eye Reduction, Flash On, Flash On w/ Red-eye Reduction, Flash Off
Flash Range:	Normal: 1.6-11 ft./50cm-3.5m (W), 1.6-6.6 ft./50cm-2.0m (T) (when sensitivity is set to ISO Auto)
Recycling Time:	10 sec. or less (battery voltage=3.7V)
Flash Exposure Compensation:	N/A

SHOOTING SPECIFICATIONS

Shooting Modes:	Auto, Camera M, Special Scene (Portrait, Foliage, Snow, Beach, Fireworks, Aquarium, Underwater, Indoor, Kids & Pets, Night Snapshot, Creative Light Effect), Colour Accent, Colour Swap, Digital Macro, Stitch Assist, Movie
Self-Timer:	Activates shutter after an approx. 2-sec./10-sec. delay, Custom
Wireless Control:	Not available
Continuous Shooting:	Approx. 1.3 fps

IMAGE STORAGE

Storage Media:	SD Memory Card, SDHC Memory Card, MultiMediaCard
File Format:	Design rule for camera file system, DPOF Version 1.1
JPEG Compression Mode:	Still Image: Exif 2.2 (JPEG) Movie: AVI (Image: Motion JPEG; Audio: WAVE (Monaural))
Number of Recording Pixels:	Still Image: 640 x 480 (Small), 1,600 x 1,200 (Medium 3), 2,048 x 1,536 (Medium 2), 2,592 x 1,944 (Medium 1), 3,264 x 2,448 (Large), 3,264 x 1,832 (Widescreen) Movie: 640 x 480 / 320 x 240 (30 fps/15 fps) available up to 4GB or 60 minutes, 640 x 480 (2 hours at 0.5 fps/1 fps), 320 x 240 (1 min. at 60 fps), 160 x 120 (3 min. at 15 fps)

NUMBER OF RECORDABLE IMAGES

	Small / N	Small / F	Small / SF	Medium3 / N	Medium3 / F	Medium3 / SF	Medium2 / N
File Size	84KB	150KB	249KB	278KB	558KB	1,002KB	445KB
32MB	270	171	111	99	52	29	64
SDC-128M	1,118	711	460	411	217	121	269
SDC-512MSH	4,317	2,747	1,777	1,590	839	471	1,041
	Medium2 / F	Medium2 / SF	Medium1 / N	Medium1 / F	Medium1 / SF	Large / N	Large / F
File Size	893KB	1,602KB	695KB	1,395KB	2,503KB	980KB	2,060KB
32MB	32	18	41	20	11	29	14
SDC-128M	136	76	173	87	49	123	59
SDC-512MSH	529	295	671	339	190	479	231
	Large / SF	Widescreen / N	Widescreen / F	Widescreen / SF			
File Size	3,436KB	736KB	1,540KB	2,601KB			
MMC-16MB	8	39	18	11			

SDC-128M	35	166	79	47
SDC-512MSH	139	642	307	183

TIME OF RECORDABLE MOVIES

	640 x 480	320 x 240
	30 fps	15 fps 30 fps 15 fps
File Size	1,963KB/sec.	1,003KB/sec. 703KB/sec. 373KB/sec.
32MB	14"	27" 38" 1' 07"
SDC-128M	1' 01"	1' 56" 2' 42" 4' 39"
SDC-512MSH	3' 57"	7' 30" 10' 29" 17' 58"

	640 x 480	320 x 240	160 x 120
	1" interval	2" interval	60 fps 15 fps
File Size	64KB/sec.	32KB/sec.	1,363KB/sec. 131KB/sec.
32MB	7' 30"	15' 00"	20" 3' 09"
SDC-128M	31' 45"	63' 30"	1' 27" 13' 02"
SDC-512MSH	123' 30"	247' 00"	5' 39" 50' 21"

Note: N=Normal F=Fine SF=SuperFine

Storage Capacity varies depending on camera settings.

This data is estimated from Canon's standard shooting conditions. Figures for Movie Mode represent total capacity of the particular media.

PLAYBACK SPECIFICATIONS

Playback Modes File:	Still Image: Single, Magnification (approx. 2x-10x), Jump, Auto Rotate, Rotate, Resume, My Colours, My Category, Histogram, Index (9 thumbnails), Sound Memos, Slide Show, Red-eye Correction, Transition Effects Movie: Normal Playback, Special Playback, Editing
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ERASING SPECIFICATIONS

Erase Modes:	Still Image: single image, select by date, select by category, select by folder, all images Movie: part of movie, all of movie
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INTERFACES

Computer Interface:	USB 2.0 Hi-Speed (mini-B jack)
Video Out:	NTSC/PAL
Audio Out:	Monaural
Other:	Memory card slot; direct connection to Canon CP and SELPHY Compact Photo Printers, PIXMA Photo Printers and PictBridge-compatible printers via camera's USB 2.0 Hi-Speed cable

POWER SUPPLY

Power Source:	1. Battery Pack NB-5L 2. AC Adapter Kit ACK-DC30
Shooting Capacity:	Still Image: approx. 230 shots (NB-5L/LCD on)*; approx. 700 shots (NB-5L/LCD off)
Playback Time:	Approx. 360 min. (NB-5L)

* The above figures comply with CIPA testing standards and apply when a fully-charged battery is used.

PHYSICAL SPECIFICATIONS

Operating Temperature:	32-104°F/0-40°C
Operating Humidity:	10-90%
Dimensions (W x H x D):	3.56 x 2.22 x 1.04 in./90.4 x 56.5 x 26.4mm
Weight:	Approx. 5.82 oz./165g (camera body only)

Spec Notes: 25 display languages provided (English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Simplified/Traditional Chinese, Japanese, Russian, Portuguese, Korean, Greek, Polish, Czech, Hungarian, Turkish, Thai, Arabic, Romanian, Ukrainian)

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