Specifications – PowerShot ELPH 135

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

Image Capture Device

Type
16.0 Megapixel, 1/2.3-inch CCD

Total Pixels
Approx. 16.6 Megapixels

Effective Pixels
Approx. 16.0 Megapixels

Lens

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

Optical Zoom
8x

Digital Zoom
4x

Focusing Range
Auto: 0.4 in. (1 cm) - infinity (W, 4.3 ft. (1.3 m) - infinity (T);
Normal: 2.0 in. (5 cm) - infinity (W), 4.3 ft. (1.3 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

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

Maximum Aperture
f/3.2 (W) - f/6.9 (T)

Shutter Speed
1-1/2000 sec.
15-1 sec. (Shooting long exposures)

Exposure Control

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

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

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

Flash

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

• Facial brightness is also evaluated in Face Detect.

Flash Range
1.6 ft. - 9.8 ft. (W), 4.3 - 4.9 ft. (T) (50cm - 3.0m (W), (1.3m - 1.5m (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

Shooting Modes
Auto, P, Live View Control, Digital IS, 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
Normal: Approx. 0.8 shots/sec. (in P mode)
Normal: Approx. 3.3 shots/sec. (in Low Light 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

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: 4608 x 3456
Medium 1: 3264 x 2448
Medium 2: 2048 x 1536
Small: 640 x 480
Wide: 4608 x 2592

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

Image data

		4:3		
		File Size (KB)	8 GB	32 GB
Large (L)	F	4,546	1,705	6,883
Medium 1 (M1)	F	2,513	3,069	12,391
Medium 2 (M2)	F	893	8,469	34,184
Small (S)	F	150	40,937	165,225
Medium* (M)	F	1,597	4,815	19,437
Wide (W)	F	3,673	2,116	8,545

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

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	25 fps	30 fps[3]
	5 fps[1]	2.5 fps[1]	1.25 fps[1]	6 fps[2]	3 fps[2]	1.5[2] fps		
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

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

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

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

Shooting Capacity
Approx. 230 shots

Approx. 310 shots in ECO Mode

Playback Time
Approx. 4 hours

Physical Specifications

Operating Temperature
32-104°F/0-40°C

Operating Humidity
10-90%

Dimensions (W x H x D)
3.75 x 2.14 x 0.87 in. / 95.2 x 54.3 x 22.1mm

Weight
4.48 oz. / 127g (CIPA standard)

3.95 oz. / 112g (Body only)

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