



# PowerShot ELPH 190 IS

## Specifications

Type of Camera	
Type	Compact digital still camera with built-in flash, 10x Optical, 4x Digital and 40x Combined Zoom with Optical Image Stabilizer
Image Capture Device	
Type	20.0 Megapixel, 1/2.3-inch CCD
Total Pixels	Approx. 20.5 Megapixels
Effective Pixels	Approx. 20.0 Megapixels* *Image processing may cause a decrease in the number of pixels.
Lens	
Focal Length	4.3 (W) – 43.0 (T) mm (35mm film equivalent: 24–240mm)
Optical Zoom	10x
Digital Zoom	4x
Focusing Range	<b>Normal:</b> 2.0 in. (5.0cm) – infinity (W), 3.3 ft. (1.0m) – infinity (T) <b>Auto:</b> 0.4 in. (1.0cm) – infinity (W), 3.3 ft. (1.0m) – infinity (T) <b>Macro:</b> 0.4 in. – 1.6 ft. (1–50cm) (W) <b>Infinity:</b> 9.8 ft. (3.0m) – infinity (W), 9.8 ft. (3.0m) – infinity (T)
Autofocus System	TTL Autofocus
Viewfinder & Monitor	
Viewfinder	Not available
LCD Monitor	2.7-inch TFT Color LCD with wide viewing angle (4:3)
LCD Pixels	Approx. 230,000 dots
LCD Coverage	Approx. 100%
Aperture & Shutter	
Maximum Aperture	f/3.0 (W), f/6.9 (T)
Shutter Speed	1–1/2000 sec. 15–1 sec. (in Long Shutter Mode)
Exposure Control	
ISO Sensitivity	Auto, ISO 100–1600
Light Metering Method	Evaluative, Center Weighted Average, Spot
Exposure Compensation	Still Images: ±2 stops in 1/3-stop increments
White Balance	
White Balance Control	Auto, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom
Flash	
Built-in Flash	Auto, On, Slow Synchro, Off
Flash Range	1.6–13.0 ft. (W), 3.3–6.6 ft. (T) 50.0cm – 4.0m (W), 1.0–2.0m (T)

Shooting Specifications	
<b>Shooting Modes</b>	P, Auto, Portrait, Face Self-Timer, Low Light, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect, Fireworks, Long Shutter
<b>Self Timer</b>	Off / 2 sec. / 10 sec. / Custom
<b>Wireless Control</b>	Built-in Wi-Fi*^ and NFC ^^
<b>Continuous Shooting</b>	Normal Continuous Shooting in Auto/P modes: Approx. 0.8 shots/sec. Normal Continuous Shooting Low Light mode: Approx. 2.2 shots/sec. <ul style="list-style-type: none"> <li>• Under lighting conditions where flash does not fire automatically.</li> <li>• Excluding RAW and RAW+JPEG.</li> <li>• Until memory card becomes full.</li> </ul>
Image Storage	
<b>Storage Media</b>	SD/SDHC/SDXC Memory Cards
<b>File Format</b>	Design rule for Camera File system (DCF) compliant; DPOF (Version 1.1) compatible
<b>Image Compression</b>	Fine
<b>JPEG Compression Mode</b>	<b>Still Image:</b> Exif. 2.3 (JPEG) <b>Video:</b> MP4 (Image: MPEG-4 AVC/H.264; Audio: MPEG-4 AAC-LC (Monaural))
<b>Number of Recording Pixels</b>	<b>Still Images:</b> Large: 5152 x 3864 Medium 1 (M1): 3648 x 2736 Medium 2 (M2): 2048 x 1536 Medium: 2560 x 1920 Small: 640 x 480 Wide: 5152 x 2896  <b>Videos:</b> HD 1280 x 720: 25.00 fps 640 x 480: 29.97 fps

#### Approx. Number of Shots Recordable to 16 GB Memory Card

Large	F	3017
Medium 1 (M1)	F	5925
Medium 2 (M2)	F	16755
Medium	F	10798
Small	F	80988
Wide	F	4015

Note: F=Fine

#### Total Movie Time Recordable to Memory Card

- The values in the table are based on Canon measurement conditions and may change depending on the subject, memory card and camera settings.
- After Low-level formatting.

Shooting Mode	Pixels	Frame Rate/ Video System	Recording Time per 16 GB Memory Card (Approx.)	Single Clip Recording Time (Approx.) <sup>*1</sup>	Movie Size (KB/sec.)	Video Recording Bit Rate
When Movie button is pressed in Auto	HD (1280 x 720)	25.00 fps	2 hr. 35 min. 37 sec.	29 min. 59 sec.	1624	Approx. 15 Mbps
	VGA (640 x 480)	29.97 fps	8 hr. 25 min. 48 sec.	1 hr.	450	Approx. 3 Mbps

\*1 Using an SD Speed Class 10 / UHS-I compatible memory card

- Recording stops automatically once the file size reaches 4 GB or the memory card becomes full.
- Recording may stop unexpectedly if a memory card with a low Speed Class is used.

Playback Specifications	
<b>Playback Modes File</b>	Protect, Favorites, Erase, Slideshow, Rotate, i-Contrast, Resize, Red-Eye Correction, Photobook Set-up, Auto Rotate, Resume, Transition Effect
Interfaces	
<b>Video Out</b>	NTSC/PAL
<b>Audio Out</b>	Monaural
<b>Other</b>	Hi-Speed USB (Mini-B); direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers
Power Supply	
<b>Power Source</b>	Battery Pack NB-11L
<b>Shooting Capacity</b>	Approx. 190 shots Approx. 245 shots in ECO Mode  Video Recording Time: Approx. 50 min.
<b>Playback Time</b>	Approx. 4 hr.
Physical Specifications	
<b>Operating Temperature</b>	32-104°F/0-40°C
<b>Operating Humidity</b>	10-90%
<b>Dimensions (W x H x D)</b>	3.75 x 2.24 x 0.93 in. / 95.3 x 56.8 x 23.6mm
<b>Weight</b>	4.87 oz. / 138g (CIPA standard) 4.34 oz. / 123g (Body only)

^ Compatible with iOS versions 7.1/8.4/9.0, Android smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.

^^ Compatible with Android smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1.