

▼ Type

Type	Compact Digital Camera
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▼ Image Sensor

Effective Pixels (Megapixels)	16 million
Image Sensor	CMOS
Sensor Size	1 / 2.3 in.
Total Pixels	16.79 million (approx.)
Image Size (pixels)	4624 x 3464 (16.1M)

▼ Lens

Lens	12x optical Zoom-NIKKOR ED glass lens
Lens Focal Length	4.5-54.0mm (angle of view equivalent to that of 25-300mm lens in 35mm [135] format)
Lens f/-number	f/3.1-6.5
Lens Construction	8 elements in 8 groups
Lens Zoom	12 x
Digital Zoom	Up to 4x (angle of view equivalent to that of approx. 1,200mm lens in 35mm[135] format)
Vibration Reduction	Lens-shift VR
Aperture	Electronically controlled ND filter (-2.0 AV) insertion

▼ Autofocus

Autofocus (AF)	Contrast-detect TTL AF
Autofocus (AF) Focus-area selection	Auto (9-area automatic selection) Center Face priority Manual with 99 focus areas Subject tracking
Focus Range	[W]: Approx. 1 ft. 8 in. (50 cm.) to infinity [T]: Approx. 5 ft. (1.5 m.) to infinity Macro close-up mode: Approx. 3.2 in. (8 cm.) to infinity
Focus Lock	Yes

<b>FOCUS LOCK</b>	<b>YES</b>
<b>Maximum Autofocus Areas/Points</b>	99 area manual selection
<b>▼ Monitor</b>	
<b>Monitor Size</b>	3.0 in. diagonal
<b>Monitor Type</b>	TFT-LCD with 5-level brightness adjustment
<b>Monitor Resolution</b>	460,000 -dots
<b>Monitor Frame coverage (shooting mode)</b>	96% horizontal (Approx.) 96% vertical (Approx.)
<b>Monitor Frame coverage (playback mode)</b>	96% horizontal (Approx.) 99% vertical (Approx.)
<b>▼ File System</b>	
<b>Storage Media</b>	SD memory card SDHC memory card SDXC memory card
<b>Internal Memory</b>	Approx. 25 MB
<b>Storage File System</b>	DCF EXIF 2.3 DPOF and MPF compliant
<b>Storage File formats</b>	Still pictures: JPEG Audio files: WAV Movies: MOV (Video: MPEG-4 AVC/H.264, Audio: AAC stereo)
<b>▼ Movie</b>	
<b>Movie</b>	Full HD: 1920x1080p / 30fps HD: 1080x720/ 30p iFrame® 540: 960x540/ 30fps HS 1920x1080/ 15fps HS 1280x720/ 60fps HS 640x480/ 120fps Movie file format: MPEG-4 AVC H.264 VGA: 640x480
<b>▼ Sensitivity</b>	
<b>ISO Sensitivity</b>	ISO 125 - 3200 Fixed range auto (ISO 125-400, 125-800)
<b>Lowest ISO Sensitivity</b>	125
<b>Highest ISO Sensitivity</b>	3200

## ▼ Exposure

Exposure Metering	Matrix Center-weighted (digital zoom less than 2x) Spot (digital zoom 2X or more)
Exposure Control	Programmed auto exposure Exposure compensation (-2.0 to +2.0 EV in steps of 1/3 EV)
Exposure Modes	Programmed Auto
Scene Modes	Backlighting Beach Black and White Copy Close Up Copy Dusk/Dawn Easy Panorama Fireworks Show Food Landscape Museum Night Landscape Night Portrait Party/Indoor Pet Portrait Portrait Scene Auto Selector Snow Sports Sunset 3D Photography
In-Camera Image Editing	Crop D-Lighting Glamour Retouch Quick Effects Quick Retouch Skin Softening Small Picture Trim
Exposure Compensation	± 2 EV in steps of 1/3

## ▼ White Balance

White Balance	Auto Cloudy Daylight Flash Fluorescent Incandescent Preset Manual
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## ▼ Shutter

Shutter	Mechanical and CMOS electronic shutter
Shutter Speed	1/2000-1 sec. 1/4000 sec. (maximum speed during high-speed continuous shooting) 4 sec. (when scene mode is set to Fireworks show)

Top Continuous Shooting Speed at full resolution	Up to 7 shots at approx. 10 frames per second
Continuous Shooting Options	Best Shot Selector Continuous H Continuous H 60 Continuous H 120 Continuous L Multi-shot 16 Pre-shooting cache Single
Self-timer	Can be selected from 10 or 2 seconds duration
▼ Flash	
Built-in flash Range (approx.) (ISO sensitivity: Auto)	[W]: 0.5 to 4.0m (1 ft. 8 in. to 13 ft.) [T]: 1.5 to 2.0m (5 ft. to 6 ft. 6 in.)
Built-in Flash Control	TTL auto flash with monitor preflashes
Built-in Flash	Yes
▼ Interface	
Voice Memo Function	Yes
Interface	Hi-speed USB
Interface Data transfer protocol	MTP PTP
Video Output	NTSC PAL
HDMI Output	Can be selected from: Auto 480p 720p 1080i
I/O terminal	Audio/video (A/V) output; Digital I/O (USB) HDMI micro connector (Type D) (HDMI output)
Wi-Fi Functionality	Yes
▼ Supported Languages	
Supported Languages	Arabic Bengali Chinese (Simplified and Traditional) Czech Danish Dutch English Finnish French German Greek

Hindi  
Hungarian  
Indonesian  
Italian  
Japanese  
Korean  
Marathi  
Norwegian  
Persian  
Polish  
Portugese (European and Brazilian)  
Romanian  
Russian  
Spanish  
Swedish  
Tamil  
Telugu  
Thai  
Turkish  
Ukranian  
Vietnamese

▼ Power

Power Sources	One Rechargeable Li-ion Battery EN-EL19 (supplied) Charging AC Adapter EH-70P and plug adapter (supplied)
Charging Time	3 hours (when using Charging AC Adapter EH-70P and when no charge remains) (Approx.)
Battery / Batteries	Rechargeable Li-ion Battery EN-EL19
Battery Life (shots per charge)	Still pictures*: Approx. 150 shots <i>Based on Camera and Imaging Products Association (CIPA) standards for measuring the life of camera batteries. Measured at 23(-/+3)°C (73.4(-/+5.4)°F); zoom adjusted with each shot, flash fired with every other shot, image quality set to Normal, image size set to 4608 x 3464 (16.1MP). Battery life may vary depending on shooting interval and length of time menus and images are displayed.</i>

▼ Miscellaneous

Tripod Socket	¼ in.
Approx. Dimensions (Width x Height x Depth)	3.8 in. (95.4 mm) x 2.3 in. (57.9 mm) x 1.1 in. (26.3 mm) <i>Excluding projections. Method of noting dimensions and weight is in accordance with CIPA DCG-005-2009 guideline.</i>
Approx. Weight	5.4 oz. (153 g) <i>With battery and SD memory card. Method of noting dimensions and weight is in accordance with CIPA DCG-005-2009 guideline.</i>
Operating environment	Humidity: Less than 85% (no condensation) Temperature: 0 to 40°C (32 to 104°F)